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for a sustainable future

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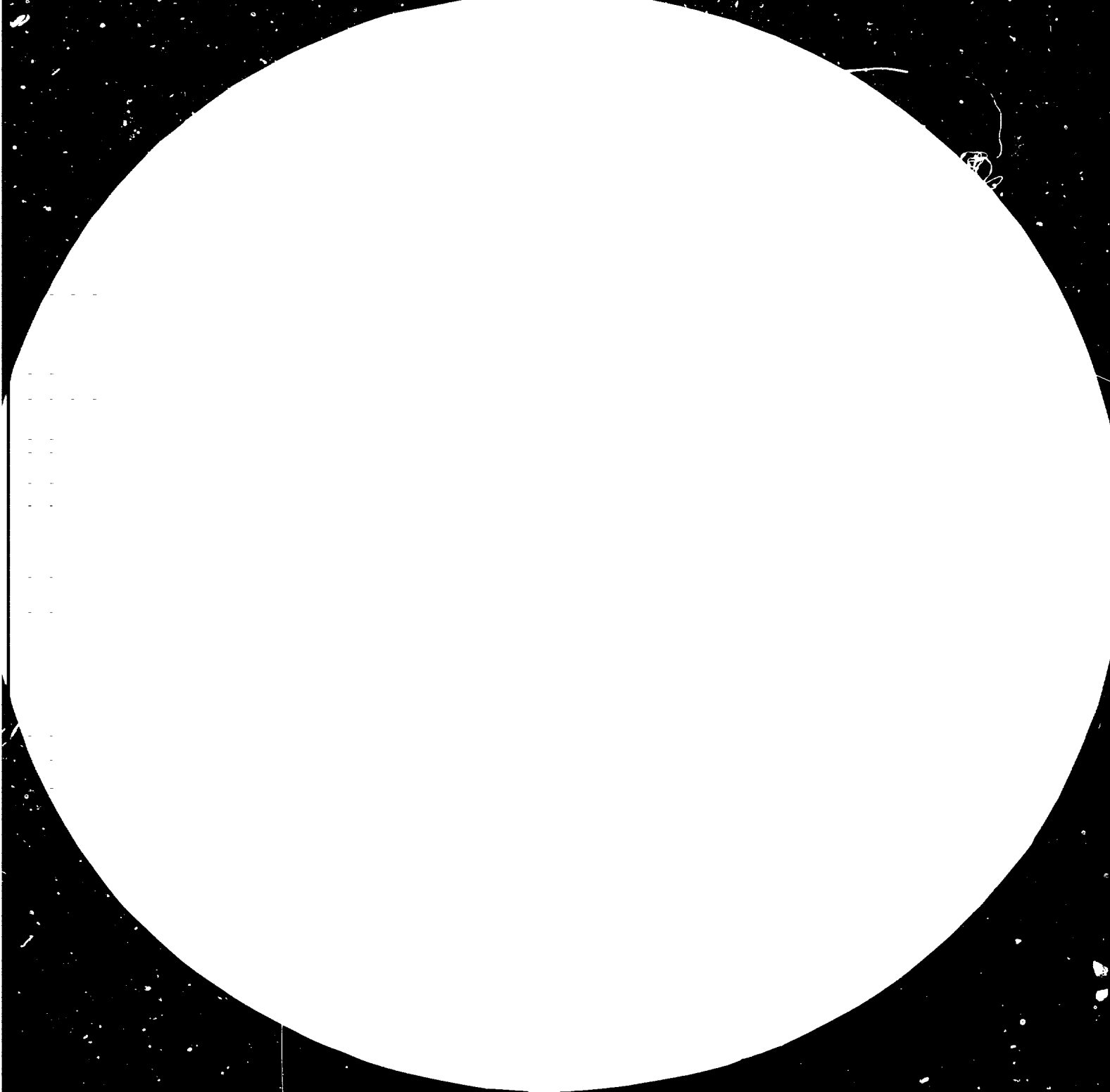
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DIRECTORY OF
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Volume I *

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Note

Increasing attention has been focused on non-conventional sources of energy following the energy crisis in 1973 and this was recently highlighted by the Conference on New and Renewable Sources of Energy, organized by the United Nations at Nairobi in August 1981. One of the more promising areas is solar energy where research and commercialization has often found government support. As a result, the "solar industry" has been growing from a scattered few pioneers to a fully-fledged industry which is increasingly drawing the attention of investors and entrepreneurs.

The present information on solar equipment manufacturers has been compiled by the Industrial and Technological Information Bank (INTIB) of UNIDO in response to affirmed interest on the part of developing countries and is intended to provide guidance to prospective buyers as well as entrepreneurs who may be wishing to set up manufacture on a joint venture basis, etc. It contains the names of manufacturers in developed countries on the basis of questionnaires received from a total number of approximately 400 that had been approached. Consideration is being given to a companion volume on manufacturers and products from developing countries.

Information provided on the data sheets has been included as submitted by the contributing companies with some information added by UNIDO where company brochures and specifications were available, but could not be reproduced due to lack of space. Prices quoted should be regarded as indicative only since data sheets were submitted over a period of time prior to publication and prices may have changed since.

Since the industry is young and still vulnerable, its pattern is changing constantly: new enterprises are being established, others are closing down or are being bought up. The present list, by necessity therefore, cannot be complete. It is based on information received from companies who were known at the time of inception of the survey and who decided to participate in the scheme.

A Technological Information Profile on Solar Energy Applications, UNIDO/IS.339 and a Directory of Solar Research Institutes in Developing Countries, UNIDO/IS.341 are produced simultaneously.

Mention of firm names and commercial products does not indicate the endorsement of UNIDO nor does the quotation or description of any proprietary right (patent, trademark, industrial design, etc.) imply the confirmation by UNIDO of its existence and validity.

PRODUCT CLASSIFICATION

1 COLLECTORS
(FLAT PLATE, PARABOLIC AND EVACUATED TUBE)

CAN-01
CAN-03
CAN-04
CAN-05
CAN-06
CAN-07
CAN-08
CAN-10
FRA-03
FRA-05
FRA-08
FRA-10
FRA-12
FRA-13
FRA-14
FRA-21
FRA-22
FRA-23
GFR-02 (a+f)
GFR-04
ISR-01
JAP-01
NET-02
NET-03
SPA-01
UK -02
UK -04
UK -08
UK -10
UK -12
UK -18
UK -21
UK -22
UK -24
UK -28
USA-05
USA-21
USA-25

2 CONCENTRATING COLLECTORS

FRA-02
GFR-02 (b)
GFR-03
GFR-04
UK -04
UK -15
USA-01
USA-05

3 PHOTOVOLTAIC CELLS AND MODULES

FRA-09
FRA-11
FRA-15
FRA-16
GFR-05
ITA-01
ITA-02
UK -10
UK -11
USA-02
USA-03
USA-05
USA-10
USA-14
USA-15
USA-16
USA-18
USA-21
USA-22
USA-23

4 PHOTOVOLTAIC BASED SYSTEMS

FRA-01
FRA-09
FRA-16
GFR-01 (a-g)
UK -11
USA-11
USA-12
USA-15
USA-16
USA-17
USA-19

5 SOLAR WATER PUMPS

CAN-04
FRA-04
FRA-16
FRA-17
GFR-01 (a)
GFR-02 (d)
USA-11
USA-17

6	SOLAR WATER HEATING SYSTEMS	AUS-01 AUL-01 AUL-02 CAN-01 CAN-03 CAN-04 CAN-06 CAN-08 FRA-05 FRA-07 FRA-12 FRA-13 FRA-15 FRA-18 JAP-01 UK-07 UK-08 UK-16 UK-19 UK-26 USA-05 USA-09 USA-11 USA-24
7	SOLAR COOLING SYSTEMS (ACTIVE AND PASSIVE)	GFR-01 (d) GFR-02 (e) GFR-04 JAP-02 USA-04 USA-11 USA-13
8	SOLAR SPACE HEATING (ACTIVE AND PASSIVE)	USA-13 USA-20
9	SOLAR DESALINATION EQUIPMENT AND SYSTEMS	AUL-03 CAN-04 FRA-20 FRA-21 GFR-01 (c) GFR-02 (c) GFR-04

- | | |
|--|--|
| 10 SOLAR COOKERS | SWI-01
UK -10 |
| 11 SELECTIVE COATINGS/SURFACES
SPECIAL GLAZINGS | CAN-05
CAN-10
UK -05
UK -14
USA-06 |
| 12 SOLAR LABORATORY EQUIPMENT/
SOLAR RADIATION MEASUREMENTS | CAN-09
GFR-02 (g)
NET-01
SWI-02
USA-08 |
| 13 SOLAR CONTROL SYSTEMS | CAN-05
UK -1
UK -11
UK -12
UK -20
USA-13 |
| 14 TEMPERATURE DIFFERENTIAL CONTROLS | SPA-01
UK -01
UK -08
UK -10
UK -13
UK -15
UK -23
UK -27 |
| 15 HEAT PUMPS | AUS-01
FRA-10
UK -20 |

- | | | |
|----|------------------------------|--|
| 16 | HEAT EXCHANGERS | CAN-02
FRA-13
UK -06
USA-07
USA-25 |
| 17 | HEAT STORAGE MEDIA | CAN-05
UK -09
USA-25 |
| 18 | ENERGY STORAGE | UK -20 |
| 19 | SHADING DEVICES | UK -03 |
| 20 | PRIME MOVERS | FRA-02
GFR-04 |
| 21 | SOLAR ENERGY SYSTEMS | FRA-02
UK -25
USA-05 |
| 22 | SOLAR ENGINEERING AND DESIGN | FRA-19
UK -17 |
| 23 | WIND ENERGY | GFR-03
GFR-04
UK -13
UK -20
USA-05
USA-13 |

INDEX OF COMPANIES

<u>COUNTRY CODE</u>	<u>NAME OF COMPANY</u>	<u>PRODUCT CATEGORY</u>	
AUS-01	Vereinigte Metallwerke Ranshofen-Berndorf AG	Solar Water Heating Systems Heat Pumps	(6) (15)
AUL-01	Beasley Industries Pty.Ltd.	Solar Water Heating Systems	(6)
AUL-02	Edwards Hot Water Systems	Solar Water Heating Systems	(6)
AUL-03	Solar-Ray Engineering	Solar Desalination Equipment	(9)
CAN-01	Amherst Renewable Energies Ltd.	Collectors (flat plate and evacuated tube) Solar Water Heating Systems	(1) (6)
CAN-02	Enercon Industries Ltd.	Heat Exchangers	(16)
CAN-03	Nortec Solar Industries Inc.	Collectors (flat plate and evacuated tube) Solar Water Heating Systems	(1) (6)
CAN-04	Petro-Sun Inc.	Collectors (flat plate)	(1)
CAN-05	Solar Systems Industries Ltd.	Collectors (flat plate) Heat Storage Media Selective Coatings Solar Control Systems	(1) (17) (11) (13)
CAN-06	Solartech Limited	Collectors (flat plate and evacuated tube) Solar Water Heating Systems	(1) (6)
CAN-07	Sun Ray Solar Systems Ltd.	Collectors (flat plate)	(1)
CAN-08	TEMSPEC (Temperature Spec. Manufacturers Ltd.)	Collectors (flat plate) Solar Water Heating Systems	(1) (6)
CAN-09	Vortex Industries Ltd.	Solar Laboratory Equipment	(12)
CAN-10	Watershed Energy Systems Ltd.	Collectors Special Solar Glazings	(1) (11)
FRA-01	Alpamara Sarl	Photovoltaic Based Systems	(4)
FRA-02	Alsthom-Atlantique	Concentrating Collectors	(2)
FRA-03	Bertin and Cie.	Collectors (flat plate)	(1)
FRA-04	Briau S.A.	Solar Water Pumps	(5)
FRA-05	Brunet-France S.A.	Collectors	(1)
FRA-06	CEPEM	Solar Water Heating Systems	(6)
FRA-07	Compagnie Solaire de Lorraine	Solar Water Heating Systems	(6)
FRA-08	Cie. des Lampes Mazda	Collectors (evacuated tube)	(1)
FRA-09	Ste. ERCIM	Photovoltaic Based Systems	(2)

FRA-10	Forges de Grans	Collectors (flat plate)	(1)
		Heat Pumps	(15)
		Heat Exchangers	(16)
		Photovoltaic Cells and Modules	(3)
FRA-11	France-Photon	Photovoltaic Cells and Modules	(3)
FRA-12	S.A. Giordano	Collectors (flat plate)	(1)
		Solar Water Heating Systems	(6)
FRA-13	Heraud S.A.	Solar Water Heating Systems	(6)
FRA-14	Landex S.A.	Collectors (flat plate)	(1)
FRA-15	Lemercier	Solar Water Heating Systems	(6)
FRA-16	Leroy-Somer	Photovoltaic Cells and Modules	(3)
FRA-17	Ets. Pompes Guinard	Solar Water Pumps	(5)
FRA-18	Salva Eclair	Solar Water Heating Systems	(6)
FRA-19	Séri Renault Ingenierie	Solar Engineering and Design	(22)
FRA-20	SIDEM	Desalination Equipment +Systems	(9)
FRA-21	SOLEFIL	Collectors (flat plate)	(1)
		Desalination Equipment +Systems	(9)
FRA-22	SOLENA	ad Collectors	(1)
FRA-23	SUDINOX S.A.	Collectors (flat plate)	(1)
GFR-01	AEG-Telefunken	Photovoltaic Based Systems	(4)
		(a) Water Pumps	(5)
		(c) Desalination	(9)
		(d) Cooling	(7)
GFR-02	Dornier System GmbH	(a) Collectors	(1)
		(b) Concentrating Collectors	(2)
		(c) Desalination Equipment +Systems	(9)
		(d) Solar Water Pumps	(5)
		(e) Solar Cooling	(8)
		(f) Solar Laboratory Equipment	(12)
		(g) Collector Test Facility	(1)
GFR-03	M.A.N. Maschinenfabrik Augsburg-Nürnberg	Concentrating Collectors	(2)
		Wind Energy	(23)
GFR-04	MBB Messerschmitt-Bölkow- Blohm GmbH (Space Division)	Collectors (flat plate and parabolic)	(1)
		Concentrating Collectors	(2)
		Desalination Equipment + Systems	(9)
		Solar Cooling Systems	(7)
		Prime Movers	(20)
GFR-05	Siemens AG	Photovoltaic Cells and Modules	(3)
ISR-01	Ancor Export Co. Ltd.	Collectors (flat plate)	(1)
ITA--01	Ansaldo S.P.A.	Photovoltaic Cells and Modules	(3)
ITA-02	ARCO Solar Europe S.p.A.	Photovoltaic Cells and Modules	(3)
JAP-01	The Furukawa Electric Co., Ltd.	Collector (flat plate)	(1)
JAP-02	Yazaki Corporation	Solar Cooling Systems	(7)

NET-01	B.V. Voorheen P.J. Kipp and Zonen	Solar Laboratory Equipment/ Solar Radiation Measurement	(12)
NET-02	Nijs and Vale B.V.	Collectors (flat plate)	(1)
NET-03	NA. Philips' Gloeilampenfabrieken	Collectors (evacuated tube)	(1)
SPA-1	Raysol	Collectors (flat plate) Temperature Differential Controls	(1) (14)
SWI-01	Etampes Mechanique	Solar Cooker	(10)
UK-01	Alfa Joule Ltd.	Temperature Differential Controls	(14)
UK-02	Antarim Ltd.	Collectors (flat plate)	(1)
UK-03	Colt Solar Control Ltd.	Shading Devices	(19)
UK-04	Commercial Solar Energy Ltd.	Collectors (flat plate) Concentrating collectors	(1) (2)
UK-05	Corning Industrial Materials Department (Corning Glass Works)	Selective Surfaces	(11)
UK-06	Delta R.A. Limited	Heat Exchangers	(16)
UK-07	Elsy and Gibbons Ltd.	Solar Water Heating Systems	(6)
UK-08	ELSTEC-Solar Energy	Collectors (flat plate) Solar Water Heating Systems Temperature Differential Controls	(1) (6) (14)
UK-09	Gledhill Water Storage Ltd.	Heat Storage Media	(17)
UK-10	Heliotechnic Ltd.	Photovoltaic Cells and Modules Collectors Temperature Differential Controls Solar Cookers	(3) (1) (14) (10)
UK-11	Lucas BP Solar Systems Ltd.	Photovoltaic Cells and Modules Photovoltaic Based Systems Solar Control Systems	(3) (4) (13)
UK-12	McKee Solaronics Ltd.	Collectors (flat plate) Solar Control Systems	(1) (13)
UK-13	Microvitec Ltd.	Temperature Differential Controls	(14)
UK-14	MPD Technology Ltd.	Selective Coatings	(11)
UK-15	Natural Energy Jersey Ltd.	Concentrating Collector Temperature Differential Controls	(2) (14)
UK-16	Oceanware Ltd.	Solar Water Heating Systems	(6)
UK-17	Pendar Technical Associates Ltd.	Design of Solar Systems	(22)
UK-18	Percy Larc Limited	Collectors (flat plate)	(1)
UK-19	Pilkington Solarproducts Ltd.	Solar Water Heating Systems	(6)
UK-20	Precision Electronic Controls Ltd.	Solar Control Systems Heat Pumps Energy Storage Wind Energy	(13) (15) (18) (23)

UK-21 Redpoint Asscciates Ltd.	Collectors (flat plate)	(1)
UK-22 Remrod Engineering Ltd.	Collectors (flat plate)	(1)
UK-23 Ringdale Engineering Co. Ltd.	Temperature Differential Controls	(14)
UK-24 Robinsons	Collectors (flat plate)	(1)
UK-25 Solapak Ltd.	Solar Energy Systems	(21)
UK-26 Solartraps Ltd.	Solar Water Heating Systems	(6)
UK-27 Solight Systems	Temperature Differential Controls	(14)
UK-28 Spencer Solarise Ltd.	Collectors (flat plate)	(1)
USA-01 AAI Corporation	Concentrating Collectors	(2)
USA-02 Applied Solar Energy Corporation	Photovoltaic Cells and Modules	(3)
USA-03 ARCO Solar, Inc.	Photovoltaic Cells and Modules	(3)
USA-04 ARKLA Industries Inc.	Solar Cooling Systems	(7)
USA-05 Atlas International Group	Collectors (flat plate)	(1)
	Photovoltaic Cells and Modules	(3)
	Solar Water Heating Systems	(6)
	Solar Energy Systems	(21)
	Wind Energy	(23)
USA-06 E.I. du Pont de Nemours + Co.	Selective Solar Glazings	(11)
USA-07 Edwards Engineering Corporation	Heat Exchangers	(16)
USA-08 The Eppley Laboratory, Inc.	Solar Laboratory Equipment/ Solar Radiation Measurement	(12)
USA-09 FAFCO, Inc.	Solar Water Heating Systems	(6)
USA-10 Mobil Tyco Solar Energy Corp.	Photovoltaic Cells and Modules	(3)
USA-11 Monegon Ltd.	Photovoltaic Based Systems	(4)
	Solar Water Pumps	(5)
USA-12 Motorola Inc.	Photovoltaic Based System	(4)
USA-13 Parkway Energy Products Corp.	Solar Control Systems	(13)
	Wind Energy	(23)
USA-14 Photon Power, Inc.	Photovoltaic Cells and Modules	(3)
USA-15 Photowatt International. Inc.	Photovoltaic Cells and Modules	(3)
	Photovoltaic Based Systems	(4)
USA-16 Silicon Sensors, Inc.	Photovoltaic Cells and Modules	(3)
USA-17 Solar Electric International	Photovoltaic Based Systems	(4)
	Solar Water Pumps	(5)
USA-18 Solar Power Corporation	Photovoltaic Based Systems	(3)
USA-19 Solarex Corporation	Photovoltaic Based Systems	(3)
USA-20 Solarcon. Inc.	ad Solar Space Heating Systems	(8)
USA-21 Solec International, Inc.	Photovoltaic Cells and Modules	(3)
USA-22 Solenergy International Corp.	Photovoltaic Cells and Modules	(3)
USA-23 Sollos Incorporated	Photovoltaic Cells and Modules	(3)
USA-24 Sunworks	Collectors (flat plate and svac.)	(1)
USA-25 United States Solar Ind., Inc.	Collectors (flat plate)	(1)
	Heat Exchangers	(16)
	Heat Storage Media	(17)

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. AUL-01
Product(s) manufactured: -- Solar water heaters - electric and gas boosted for domestic, commercial and industrial applications.	SOLAR WATER HEATING SYSTEMS
Name and address of manufacturer (including telephone and telex no.): BEASLEY INDUSTRIES PTY. LTD. Telephone: (09) 464971 Bolton Avenue Devon Park, South Australia 5008 Telex: AA88691. GCADEL. Size and type of company: <u>private</u> governmental mixed (number of employees; annual sales; share capital) Private manufacturing company - 150 employees. Annual sales - AUST \$ 6,000,000. Contact person: Mr. Frank D. Bauer, General Manager and Director	
Description of product (main data and specifications): 'SOLAPAK' Solar Collectors. 1.5m ² Collector Area. Terms of delivery (mode of payment): 15 days from receipt of irrevocable letter of credit. Price (valid at the time of issuance of respective data sheet): -- AUST \$ 130. F.O.B. Guarantees and maintenance service offered: Guaranteed 3 years. Maintenance service offered, would depend upon area of installation.	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) 1. Complete licensing agreement for the manufacture of Solapak solar collectors available. 2. Processing of selective coatings on various substrate materials (included in licence agreement). Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input checked="" type="checkbox"/> 5. Training <input checked="" type="checkbox"/> 2. Management <input type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) Licensing agreements.	

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<p>UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. AUL-02</p>						
<p>Product(s) manufactured:</p> <p>Solar Water Heaters Domestic Commercial</p>	<p>SOLAR WATER HEATING SYSTEMS</p>						
<p>Name and address of manufacturer (including telephone and telex no.):</p> <p>Edwards Hot Water Systems 8 Bellows Street Welshpool, Western Australia 6106</p> <p>Size and type of company: (number of employees; annual sales; share capital)</p> <p style="text-align: right;"><u>private</u> governmental mixed</p> <p>Contact person: R.E. Edwards</p>							
<p>Description of product (main data and specifications):</p> <p>Domestic Solar Water Heater on Thermosyphon Principle Cylinder Capacity Range 135, 180, 300, 440 Litres. Absorber area 2,4,6 sq.m. Commercial solar water heater: on heat exchange principle, engineered to any capacity or absorber area to suit hotels, motels, hospitals, caravan parks and restaurants.</p> <p>Terms of delivery (mode of payment): Letter credit for overseas</p> <p>Price (valid at the time of issuance of respective data sheet): Price on application</p> <p>Guarantees and maintenance service offered: Domestic: 5 years Commercial: 12 months</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Full knowledge to set up and operate a complete manufacturing plant</p> <p>Type of assistance offered:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">1. Technical <input checked="" type="checkbox"/></td> <td style="width: 33%;">3. Marketing <input checked="" type="checkbox"/></td> <td style="width: 33%;">5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>By negotiation</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

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<p>UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. CAN-02 HEAT EXCHANGERS</p>
<p>Product(s) manufactured: -- Heat recovery systems</p>	
<p>Name and address of manufacturer (including telephone and telex no.): ENERCON INDUSTRIES LTD Telephone: (306) 585-0022 2073 Cornwall Street Regina, Saskatchewan S4P 2K6 (CANADA) Telex: 071-3188 Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> <u>mixed</u> -- 35 employees -- Annual sales \$1,000,000. Contact person: Dennis Rogoza</p>	
<p>Description of product (main data and specifications): Air-to-air heat exchanger. Various models for various applications; residential, commercial, industrial, agricultural. Terms of delivery (mode of payment): Please enquire. Price (valid at the time of issuance of respective data sheet): Enercon 150 \$1495.00 Enercon 400 \$1895.00 Enercon 200 \$1595.00 Enercon 800 \$2695.00 Guarantees and maintenance service offered: Warranty.</p>	
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) Design services for low energy/passive solar structures and supply of related technologies, licensing, etc. Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input type="checkbox"/> 5. Training <input type="checkbox"/> 2. Management <input type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) Joint ventures, Know-how agreements.</p>	

Date of issue: March 1982

V,81-33172

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No. CAN-04</p>						
<p>Product(s) manufactured:</p> <ul style="list-style-type: none"> -- Low, medium and high temperature flat plate collectors; -- Solar domestic hot water system (thermo syphon, drain back, circulating and closed loop systems); -- Solar irrigation pump (photovoltaic cells); -- Solar desalination plant. 	<p>COLLECTORS (FLAT PLATE SOLAR WATER HEATING S. SOLAR WATER PUMPS SOLAR DESALINATION EQUIPMENT AND SYSTEMS</p>						
<p>Name and address of manufacturer (including telephone and telex no.):</p> <p>PETRO-SUN INC. Telephone: (514) 337-2264 2915 Pitfield Blvd. St. Laurent, Quebec H4S 1L6 (CANADA) Telex: 05-25686 Size and type of company: private (number of employees; annual sales; share capital) governmental <u>mixed</u></p> <ul style="list-style-type: none"> -- Manufacturer -- 70 employees -- \$10,000,000 Canadian <p>Contact person: Jacques R. Sicotte, P.Eng., M.Sc., President Michel Sicotte, B.Comm., V.P. Sales and Marketing</p>							
<p>Description of product (main data and specifications):</p> <p>Terms of delivery (mode of payment): L/C.</p> <p>Price (valid at the time of issuance of respective data sheet):</p> <p>Guarantees and maintenance service offered:</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p align="center">Engineering service and manufacturing training sessions.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p align="center">Licence or Joint venture.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

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UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. CAN-09
Product(s) manufactured: — Solar Simulators.	SOLAR LABORATORY EQUIPMENT
Name and address of manufacturer (including telephone and telex no.): VORTEX INDUSTRIES LTD. Telephone: (604) 251-2451 1820 Pandora Street Vancouver, B.C. (CANADA) Telex: 04-352848 Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> <u>mixed</u> Contact person: G.G. Albach, President	
Description of product (main data and specifications): The Solar Simulator produces artificial sunlight indoors for testing solar products. Two models are available: <u>Large Area:</u> Working area--2.4m x 2.4m Irradiance---500-1100 W/m ² Uniformity---5% <u>Smaller area:</u> Working area--1.0m x 1.0m Irradiance--500-3000 W/m ² Uniformity--3% Terms of delivery (mode of payment): 30% billed with order; 60% billed with shipment; 10% billed upon commissioning. Price (valid at the time of issuance of respective data sheet): Large area solar simulator.....US\$ 250,000 Smaller area solar simulator.....US\$ 150,000 Guarantees and maintenance service offered: Yes.	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) The simulators are sophisticated laboratory tools using state-of-the-art optical systems and microcomputer control electronics. Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input type="checkbox"/> 5. Training <input type="checkbox"/> 2. Management <input type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)	

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT

Reference No.

FRA-03

Product(s) manufactured:

- collectors (flat plate; evacuated; linear focussing)
- solar turbines operating w. heavy organic fluids
- solar power stations w. distributed collectors
(100 to 1000 kW_e)

COLLECTORS (FLAT PLATE)

Name and address of manufacturer (including telephone and telex no.):

BERTIN and Cie.

Tel.: (3) 056 2500

BP 3 - F.78370

Plaisir (France)

Tlx.: 696231

Size and type of company:

(number of employees; annual sales; share capital)

private
governmental
mixed

- 600 employees.
- FF 125.500.000 annual sales
- FF 10.010.000 share capital

Contact person: Mr. P. Tarbès, Relations Internationales

Description of product (main data and specifications):

see above

Terms of delivery (mode of payment):

Price (valid at the time of issuance of respective data sheet):

Guarantees and maintenance service offered:

Description of technology offered:

(for companies possessing know-how that might be made useful in the developing countries)

Collectors: flat plate with air: evacuated; linear focussing

Solar turbine with heavy organic fluid

Solar power stations with distribution collectors (100 to 1000 KW_e)

Type of assistance offered:

- | | | |
|--|---|--|
| 1. Technical <input checked="" type="checkbox"/> | 3. Marketing <input type="checkbox"/> | 5. Training <input type="checkbox"/> |
| 2. Management <input type="checkbox"/> | 4. Design <input checked="" type="checkbox"/> | 6. Other <input type="checkbox"/>
(specify) |

Terms and conditions for transfer of technology:

(basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)

Know-how agreements: licensing

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT

Reference No.
FRA-04

Product(s) manufactured:

Solar pumps

SOLAR WATER PUMPS

Name and address of manufacturer (including telephone and telex no.):

BRIAU SA

Tel.: (47) 61 36 17

B.P. 0903

Telex: 750 729

37009 Tours CEDEX (France)

Size and type of company:

(number of employees; annual sales; share capital)

100

FF 25 million

private
governmental
mixed

Contact person: Mr. Panterne

Description of product (main data and specifications):

Photovoltaic solar pumps

Terms of delivery (mode of payment):

vary from case to case and have to be negotiated

Price (valid at the time of issuance of respective data sheet):

depends on size of order

Guarantees and maintenance service offered: 2 years

Description of technology offered:

(for companies possessing know-how that might be made useful in the developing countries)

Type of assistance offered:

1. Technical

3. Marketing

5. Training

2. Management

4. Design

6. Other

(specify)

Terms and conditions for transfer of technology:

(basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)

Date of issue: March 1982

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No.</p>						
<p>Product(s) manufactured:</p> <p>-- Solar panels; -- Solar heaters; -- Oil furnaces for agriculture.</p>	<p align="center">FRA-12</p> <p>COLLECTORS (FLAT PLATE) SOLAR WATER HEATING SYSTEMS</p>						
<p>Name and address of manufacturer (including telephone and telex no.): S.A. GIORDANO - Telephone: (93) 33-13-88 Chemin St. Bernard 06220 Vallauris (FRANCE) Telex: 970 552 F</p> <p>Size and type of company: (number of employees; annual sales; share capital) <u>private</u> <u>governmental</u> <u>mixed</u></p> <p>-- 70 Employees (subsidiary of Groupe Total)</p> <p>Contact person: M. Nehlil</p>							
<p>Description of product (main data and specifications): Solar panel 0,66 m² (2,054 x 0,36) alu profile and copper pipes heaters 150 liters to 2,000 liters. oil furnace 80,000 cal and 120,000 cal.</p> <p>Terms of delivery (mode of payment): Irrevocable credit</p> <p>Price (valid at the time of issuance of respective data sheet): 700 FF/m² solar panel.</p> <p>Guarantees and maintenance service offered: 2 years.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

V,81-33172

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. FRA-18						
Product(s) manufactured: - Hot water systems	SOLAR WATER HEATING SYSTEMS						
<p>Name and address of manufacturer (including telephone and telex no.): SALVA ECLAIR Z.I. "Les Paluds" 13400 Aubagne, (France)</p> <p>Size and type of company: (number of employees; annual sales; share capital) <u>private</u> governmental mixed</p> <p>- 160 employees. - 40.000.000 F. annual sales - 1.980.000 F. share capital</p> <p>Contact person: Mr. M. Bruneton</p>							
<p>Description of product (main data and specifications):</p> <p>Solar water heater unit based on thermosiphon with direct flow without exchanger</p> <p>Terms of delivery (mode of payment): ex- Marseille</p> <p>Price (valid at the time of issuance of respective data sheet): FF 2.500</p> <p>Guarantees and maintenance service offered: 5 years.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">1. Technical <input checked="" type="checkbox"/></td> <td style="width: 33%;">3. Marketing <input type="checkbox"/></td> <td style="width: 33%;">5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>Licence for manufacturing.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. FRA-21						
Product(s) manufactured: flat plate collector for domestic water heating and central heating; desalination plants	COLLECTORS (FLAT PLATE); DESALINATION EQUIPMENT AND SYSTEMS						
<p>Name and address of manufacturer (including telephone and telex no.):</p> <p>SOLEFIL Domaine Beausoleil, Zone Industrielle Nord B.P. 620, 66006 Perpignan CEDEX (France)</p> <p>Tel.: (68) 61 24 61 Telex: 500 891 F</p> <p>Size and type of company: (number of employees; annual sales; share capital)</p> <p>52 FF 8 million; FF 3.5 million</p> <p><u>private</u> governmental mixed</p> <p>Contact person: Mr. Emmanuel Rosenstings, Export Manager, SOLEFIL, Direction Commerciale, Tour Roussel Nobel, CEDEX 3, 92080 Paris-La Defense Tel. 778 15 15; Telex: 630 906 Seppetau</p>							
<p>Description of product (main data and specifications):</p> <p>copper absorber and glass reinforced polyester case</p> <p>Terms of delivery (mode of payment): delivery ex-factory Perpignan or CIF; payment by letter of credit</p> <p>Price (valid at the time of issuance of respective data sheet): T2V (2x2) FF 2,043.-- T3V (3x2) FF 2,762.--</p> <p>Guarantees and maintenance service offered: 10 years guarantee</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>manufacture of case and mounting of collector</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>Setting up of joint ventures</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

V,81-33172

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No.						
Product(s) manufactured: - Solar collectors.	FRA-23 COLLECTORS (FLAT PLATE)						
<p>Name and address of manufacturer (including telephone and telex no.): SUDINOX - S.A. Tel.: (48) 24 71 50 Route du Circuit 31.800 Saint Gaudens (France) Tlx.: 760.701F</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> <u>mixed</u></p> <p>- 55 employees (98% affiliate of Rosieres (1,600 employees - 12 MF annual sales 420 mill. F turnover - 700,000 F capital 15 mill. F capital)</p> <p>Contact person: Mr G Jenny c/o SUDINOX-ROSIERES 6 Place de la Prefecture - 18.000 Bourges Cedex (France) B.P. 44</p>							
<p>Description of product (main data and specifications): Solar collectors - complete range from 0.75 m² to 2.8 m²</p> <p>Terms of delivery (mode of payment): Delivery by container. Payment by letter of credit.</p> <p>Price (valid at the time of issuance of respective data sheet): About 700 F/m²</p> <p>Guarantees and maintenance service offered: 10 years.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Manufacture of solar collectors</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>Licence of manufacture and transfer of know-how.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

V,81-33172

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. GFR-01
Product(s) manufactured: -- Photovoltaic generator modules; -- Photovoltaic DC and AC power supplies -- Photovoltaic powered systems	see GFR-01 a - g
Name and address of manufacturer (including telephone and telex no.): AEG-TELEFUNKEN Telephone: 0049-4103 New Technologies, Space Division Sales Unconventional Energy Systems Telex: 21 89 520 Industriestr. 29 D-2000 Wedel(FRG) private governmental mixed Size and type of company. (number of employees; annual sales; share capital) -- 154,000 Employees. -- 14,000,000,000 DM (7,400,000,000 US\$)--Annual Sales (1979) -- 620,000,000 DM (326,000,000 US\$)--Share Capital. Contact person: Mr. K.P. Maass	
Description of product (main data and specifications): (see following pages) Terms of delivery (mode of payment): FOB Hamburg Terms of payment: 100 % L/C 30 % of the order value as advanced payment. 70 % on dispatch against shipping documents. Price (valid at the time of issuance of respective data sheet): Guarantees and maintenance service offered: Warranty: Generator modules 5 years for electric specification Photovoltaic system equipment 12-18 month.	
Maintenance service: Complete service world-wide. Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) Advanced photovoltaic system development and application: Connected and combined systems (wind energy, etc.). Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input type="checkbox"/> 5. Training <input checked="" type="checkbox"/> 2. Management <input checked="" type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) Joint ventures, know-how agreements.	

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. GFR-01 c																					
Product(s) manufactured: <u>Photovoltaic powered systems:</u> - water supply - water desalination	PHOTOVOLTAIC BASED SYSTEMS (DESALINATION)																					
Name and address of manufacturer (including telephone and telex no.): AEG-TELEFUNKEN see GFR-01 Size and type of company: (number of employees; annual sales; share capital) <table style="float: right;"> <tr><td><u>private</u></td></tr> <tr><td>governmental</td></tr> <tr><td>mixed</td></tr> </table> Contact person:		<u>private</u>	governmental	mixed																		
<u>private</u>																						
governmental																						
mixed																						
Description of product (main data and specifications): <u>Photovoltaic desalination system:</u> desalination by a pressure-driven membrane separation process (reverse osmosis). System consists of generator, electrical equipment and RO module with water pretreatment (installed in a special shelter). <u>Raw water:</u> brackish (1%NaCl) sea water (3.5% NaCl) potable water <table style="width: 100%; border-collapse: collapse;"> <tr> <td>Sopros B 2.5</td> <td>Sopros S 2.5</td> <td>2.5 m³/d</td> </tr> <tr> <td>Sopros B 5</td> <td>Sopros S 5</td> <td>5 m³/d</td> </tr> <tr> <td>Sopros B 10</td> <td>Sopros S 10</td> <td>10 m³/d</td> </tr> </table> Price (valid at the time of issuance of respective data sheet): (delivery of 10 units minimum) <table style="width: 100%; border-collapse: collapse;"> <tr> <td>B 2.5</td> <td>US\$ 180.000/unit</td> <td>S 2.5</td> <td>US\$ 320.000/unit</td> </tr> <tr> <td>B 5</td> <td>US\$ 240.000/unit</td> <td>S 5</td> <td>US\$ 470.000/unit</td> </tr> <tr> <td>B 10</td> <td>US\$ 370.000/unit</td> <td>S 10</td> <td>US\$ 780.000/unit</td> </tr> </table>		Sopros B 2.5	Sopros S 2.5	2.5 m ³ /d	Sopros B 5	Sopros S 5	5 m ³ /d	Sopros B 10	Sopros S 10	10 m ³ /d	B 2.5	US\$ 180.000/unit	S 2.5	US\$ 320.000/unit	B 5	US\$ 240.000/unit	S 5	US\$ 470.000/unit	B 10	US\$ 370.000/unit	S 10	US\$ 780.000/unit
Sopros B 2.5	Sopros S 2.5	2.5 m ³ /d																				
Sopros B 5	Sopros S 5	5 m ³ /d																				
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B 5	US\$ 240.000/unit	S 5	US\$ 470.000/unit																			
B 10	US\$ 370.000/unit	S 10	US\$ 780.000/unit																			
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) see GFR-01 Type of assistance offered: <table style="width: 100%; margin-top: 10px;"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)															
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>																				
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)																				

Date of issue: March 1982

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<p>UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. GFR-01 d</p>						
<p>Product(s) manufactured: <u>Photovoltaic powered systems:</u> - cooling systems</p>	<p>PHOTOVOLTAIC BASED SYSTEMS (SOLAR COOLING)</p>						
<p>Name and address of manufacturer (including telephone and telex no.): AEG-TELEFUNKEN see GFR-01 Size and type of company: (number of employees; annual sales; share capital) private governmental mixed Contact person:</p>							
<p>Description of product (main data and specifications): - Block and crushed ice production plants (e.g. for coastal fishing purposes) 500-1.500 kg ice/day; - Deep-freezing and cool storage plants; freezing temperature -18°C, storage for 10 m³ and more. Terms of delivery (mode of payment): Price (valid at the time of issuance of respective data sheet): Total system prices on request Guarantees and maintenance service offered: See GFR-01</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table style="width: 100%;"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

V,81-33172

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. GFR-02 b</p>						
<p>Product(s) manufactured:</p> <p align="center">-- Electronic tracking unit with sensor for concentrating solar collectors.</p>	<p>CONCENTRATING COLLECTORS</p>						
<p>Name and address of manufacturer (including telephone and telex no.): DORNIER SYSTEM GMBH, Telephone: 07545/3353 7990 Friedrichshafen 1, (P.O. Box 1360) Federal Republic of Germany Telex: 075210-0</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> <u>mixed</u></p> <p>-- 8,000 Employees -- US\$ 400,000,000</p> <p>Contact person: Dr. A. Ziemer, Abt. VA</p>							
<p>Description of product (main data and specifications): Two-axis tracking system, cross-slit sensor with viewing angle of $\pm 60^\circ$ 2-speed dc-motors 24 ± 4 V, temperature range of operation $-20^\circ \text{C} \dots +35^\circ \text{C}$ weight 7,5 kp</p> <p>Terms of delivery (mode of payment): 1/3 after confirmation of contract, 1/3 after half of the delivery time has elapsed, 1/3 after delivery / installation of hardware.</p> <p>Price (valid at the time of issuance of respective data sheet): US\$ 2,000--</p> <p>Guarantees and maintenance service offered: Yes</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p align="center">To be determined upon request of the customer.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

V,81-33172

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No.</p>						
<p>Product(s) manufactured: -- Solar desalination module, type 80.</p>	<p align="center">GFR-02 c</p> <p align="center">SOLAR DESALINATION EQUIPMENT AND SYSTEMS</p>						
<p>Name and address of manufacturer (including telephone and telex no.): DORNIER SYSTEM GMBH Telephone: 07545/83853 7990 Friedrichshafen 1, (P.O. Box 3160) Federal Republic of Germany Telex: 073210-0</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> <u>mixed</u></p> <p>-- 8,000 Employees -- US\$ 400,000,000</p> <p>Contact person: Dr. A. Ziemer, Abt. VA</p>							
<p>Description of product (main data and specifications): Solar collector area 20 m² Each module consists of 4 main components: max. brine temperature 90° C, a) supporting structure Distilled water yield 80 l/d, b) heat pipe unit c) distiller c) peripheral components</p> <p>Terms of delivery (mode of payment): 1/3 after confirmation of contract, 1/3 after half of the delivery time has elapsed, 1/3 after delivery / installation of hardware.</p> <p>Price (valid at the time of issuance of respective data sheet): US \$ 20,500.--</p> <p>Guarantees and maintenance service offered: Yes.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p align="center">To be determined upon request of the customer.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No. GFR-02 d</p>						
<p>Product(s) manufactured: -- Solar powered water pump</p>	<p align="center">SOLAR WATER PUMPS</p>						
<p>Name and address of manufacturer (including telephone and telex no.): DORNIER SYSTEM GMBH, Telephone: 07545/83853 7990 Friedrichshafen 1, P.O. Box 1360 Federal Republic of Germany Telex: 073210-0</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> -- 3,000 <u>mixed</u> -- US\$ 400,000,000</p> <p>Contact person: Dr. A. Ziemer, Abt. VA</p>							
<p>Description of product (main data and specifications): Hydraulic output 6 m³/h at 25 m head (Variation of 50 m possible) Heat-pipe flat plate collector area: 20m², automatic start-up at 500 W/m² insolation, motor capacity 200 - 1500 W.</p> <p>Terms of delivery (mode of payment): 1/3 after confirmation of contract, 1/3 after half of the delivery time has elapsed, 1/3 after delivery / installation of hardware. Price (valid at the time of issuance of respective data sheet): Upon request.</p> <p>Guarantees and maintenance service offered: Yes.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p align="center">To be determined upon request of the customer.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

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<p>UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. GFR-02 e</p>						
<p>Product(s) manufactured:</p> <p>-- Solar cooling plant.</p>	<p>SOLAR COOLING SYSTEMS</p>						
<p>Name and address of manufacturer (including telephone and telex no.): DORNIER SYSTEM GMBH Telephone: 07549/83853 7990 Friedrichshafen 1, (P.O. Box 1360) Telex: 073210-0 Federal Republic of Germany</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) governmental mixed</p> <p>-- 8,000 Employees -- US\$ 400,000,000</p> <p>Contact person: Dr. A. Ziemer, Abt. VA</p>							
<p>Description of product (main data and specifications): Main components: Heat-pipe flat plate collector area of 20 m², absorption cooling unit output 3 kW, cooling chamber of 12 m³ at 6-8° C maximum stored cooling energy 10 kWh, cooling water temperature 30° C.</p> <p>Terms of delivery (mode of payment): 1/3 after confirmation of contract, 1/3 after half of the delivery time has elapsed, 1/3 after delivery / installation of hardware. Price (valid at the time of issuance of respective data sheet): Upon request.</p> <p>Guarantees and maintenance service offered: Yes.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) to be determined upon request of the customer.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

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<p>UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. GFR-02 f</p>
<p>Product(s) manufactured:</p> <p>-- Solar collector test facility</p>	<p>and COLLECTORS</p>
<p>Name and address of manufacturer (including telephone and telex no.):</p> <p>SIEMENS SYSTEM ENGINEERING Telephone: 07145/41844 7000 Friedrichshafen 1, (P.O. Box 1940) Telex: 81210-0 Federal Republic of Germany</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> mixed</p> <p>-- 2,000 employees -- US\$ 40,000,000</p> <p>Contact person: Dr. A. Siemer, Abt. VA</p>	
<p>Description of product (main data and specifications):</p> <p>Test facility for solar collectors for verification of thermal performance of solar collectors according to IEC and ASHRAE standards.</p> <p>Terms of delivery (mode of payment): 1/3 after confirmation of contract, 1/3 after half of the delivery time has elapsed, 1/3 after delivery / installation of hardware.</p> <p>Price (valid at the time of issuance of respective data sheet): Upon request.</p> <p>Guarantees and maintenance service offered: Yes.</p>	
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <p>1. Technical <input checked="" type="checkbox"/> 3. Marketing <input type="checkbox"/> 5. Training <input checked="" type="checkbox"/> 2. Management <input checked="" type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify)</p> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>To be determined upon request of the customer.</p>	

Date of issue: March 1982

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<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No.</p>						
<p>Product(s) manufactured:</p> <p>-- Instrument for measuring emissivity-values of selectively coated surfaces.</p>	<p align="center">GFR-02 g</p> <p align="center">SOLAR LABORATORY EQUIPMENT</p>						
<p>Name and address of manufacturer (including telephone and telex no.): DORNIER SYSTEM GMBH Telephone: 07545/83853 7990 Friedrichshafen 1, (P.O. Box 1360) Telex: 073210-0 Federal Republic of Germany</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) governmental mixed</p> <p>-- 8,000 Employees -- US\$ 400,000,000</p> <p>Contact person: Dr. A. Ziember, Abt. VA</p>							
<p>Description of product (main data and specifications): Measurement of the diffuse reflection of the sample surface in the infrared range is correlated to the total emission of the object at room temperature in a wave length range of 0,6-40 m.</p> <p>Terms of delivery (mode of payment): 1/3 after confirmation of contract, 1/3 after half of the delivery time has elapsed, 1/3 after delivery / installation of hardware.</p> <p>Price (valid at the time of issuance of respective data sheet): US\$ 23,000--</p> <p>Guarantees and maintenance service offered: Yes.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p align="center">To be determined upon request of the customer.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

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UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. GFR-04
Product(s) manufactured: - Evacuated flat plate collectors; - Parabolic dish collectors; - Heliostats incl. field tracking system; - Organic Rankine cycles; - Data Acquisition System; - Solar Process Heat Generation Systems (desalination, cooling etc.); - Wind Rotors	COLLECTORS (FLAT PLATE, PARABOLIC); CONCENTRATING COLLECTORS; PRIME MOVERS; DESALINATION AND COOLING SYSTEMS; WIND ENERGY
Name and address of manufacturer (including telephone and telex no.): MESSERSCHMITT-BÖLKOW-BLOHM GMBH Telephone: (089) 6000-5521 Space Division Postfach 801169 8000 München 80 (FRG) Telex: 5287-0 mbb d Size and type of company: <u>private</u> (number of employees; annual sales; share capital) governmental Largest German Aerospace Company mixed (23,600 Employees); Turnover 1980: approx. DM 3 billion Contact person: Dipl.-Ing. Helmut Hopmann Head of Energy Department	
Description of product (main data and specifications): Terms of delivery (mode of payment): Price (valid at the time of issuance of respective data sheet): Guarantees and maintenance service offered:	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) On-going co-operative projects in: European Economic Communities (EEC); India, Algeria, Mexico, Kuwait, Senegal Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input checked="" type="checkbox"/> 5. Training <input checked="" type="checkbox"/> 2. Management <input checked="" type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) Joint ventures; governmental agreements	

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UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. ITA-01
Product(s) manufactured: -- Photovoltaic modules; -- Photovoltaic systems.	PHOTOVOLTAIC CELLS AND MODULES
Name and address of manufacturer (including telephone and telex no.): ANSALDO S.P.A. Telephone: (010) 4105-488 Divisione Automazione Via N. Lorenzi, 8 Genova (ITALY) Telex: 270098 ANSLCA I Size and type of company: (number of employees; annual sales; share capital) private governmental mixed -- 20,271 Employees. -- 1,100,000,000 US\$--Annual Sales. -- 100,000,000 US\$--Share Capital (see Annex). Contact person: Dr. Zani, Eng. Pidotella, Dr. Fassino	
Description of product (main data and specifications): Photovoltaic modules: AP 20 ($P_M = 20$ W) see annex. AP 33 ($P_M = 33$ W) Photovoltaic systems for telecommunication, cathodic protection, isolate houses, pumping, etc. Terms of delivery (mode of payment): 1 ÷ 50 modules ready. More than 50: to be concerted payment against documents. Price (valid at the time of issuance of respective data sheet): 10-15 US\$/Wp, depending on quantity. Guarantees and maintenance service offered: 1 year from production defects, less than 20% of degradation in 5 years.	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) Technology for photovoltaic solar modules and systems. Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input checked="" type="checkbox"/> 5. Training <input checked="" type="checkbox"/> 2. Management <input checked="" type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) Know-how agreements.	

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<p>UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. ITA-02</p>						
<p>Product(s) manufactured: Solar electrical modules (photovoltaics); Regulating equipment for photovoltaic systems; Support structures</p>	<p>PHOTOVOLTAIC CELLS AND MODULES</p>						
<p>Name and address of manufacturer (including telephone and telex no.): ARCO Solar Europe S.p.A. Telephone: 2-8242091 Viale Milanofiori Fabbr. E/5 Telex: 33 18 37 ARCOU I 20094 Assago (Milano), ITALY Size and type of company: private (number of employees; annual sales; share capital) governmental ARCO INC. 50,000 employees; US\$ 30 billion sales mixed ARCO Solar Europe S.p.A.; US\$ 20 million sales Contact person: Mr. R. Carboni or Mr. A. Manfredi</p>							
<p>Description of product (main data and specifications): ASI 16-2000 Solar Module (35 Wp); ASI 16-2300 Solar Modules (37 Wp); AC solar powered systems (120/240 or 220 V); Remote home power systems;</p> <p>Terms of delivery (mode of payment): FOB Los Angeles; FOB Trieste; FOB Singapore Letter of credit Price (valid at the time of issuance of respective data sheet): US\$ 8 - 12 per peak Watt Guarantees and maintenance service offered: 5 years warranty on modules</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) very restricted</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input checked="" type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) No specific precedent</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input checked="" type="checkbox"/> (specify)
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<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No.</p> <p align="center">JAP-01</p>						
<p>Product(s) manufactured:</p> <p><u>FURUKAWA Solar System:</u></p> <ul style="list-style-type: none"> o Hot Water Supply System o Hot Water Supply & Heating System o Hot Water Supply, Heating & Cooling System 	<p>COLLECTORS (FLAT PLATE)</p> <p>SOLAR HOT WATER SYSTEMS</p>						
<p>Name and address of manufacturer (including telephone and telex no.): THE FURUKAWA ELECTRIC CO., LTD. Head Office : 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo Japan Phone : (03)286-3211/3219 (Overseas Operations Dvn.) Telex : FECTOK J 23907/23857</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> The company was established in 1884. <u>mixed</u></p> <ul style="list-style-type: none"> o Number of Employees : 8,000 o Annual Sales : 450 billion yen (Approx. 2 billion U.S.Dollar) o Paid-up Capital (as of June, 1981); 22 billion yen (Approx. 100 million U.S. Dollar) <p>Contact person: MR. HIROYUKI OTAKE or MR. YOSHIO SAHEKI (Overseas Operations Dvn.)</p>							
<p>Description of product (main data and specifications): FURUKAWA Solar Collectors (Flat Panel type Solar Collector)</p> <ul style="list-style-type: none"> o Type : FZ-1 (Aluminium Casing) o " : FZ-2 (FRP Casing) o " : FZ-3 (Aluminium Casing) o " : FZ-H (-ditto, but for higher temperature use) <p style="text-align: right;">} For details, please refer to our catalogs</p> <p>Terms of delivery (mode of payment): Standard shipment from Japan shall be one month after our receipt of your firm order. (Payment shall be generally by irrevocable L/C)</p> <p>Price (valid at the time of issuance of respective data sheet): Please refer to the attached sheet.</p> <p>Guarantees and maintenance service offered: Standard guarantees shall be valid for our product quality itself and 1³ years of period after installation. This clause, however, shall be subject to consultation and changes in time.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Not specified.</p> <p>Type of assistance offered:</p> <table style="width: 100%; border: none;"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p><u>Any type of co-operations Adaptable to the actual situation fo countries concerned</u> - Exclusive or Non-exclusive Agency/Technical Assistance/ Licenses Agreement/Joint Venture -</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
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Date of issue: March 1982

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. JAP-02</p>						
<p>Product(s) manufactured:</p> <p align="center">-- Solar air conditioning system equipment.</p>	<p>SOLAR COOLING SYSTEMS</p>						
<p>Name and address of manufacturer (including telephone and telex no.): YAZAKI CORPORATION Telephone: 03-455-8811 17th floor, Mita-Kokusai Building 4-28, 1-chome, Mita, Minato-ku Telex: 2426794 TOKYO, JAPAN</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> <u>mixed</u></p> <p>-- 8,699 Employees. -- Mil.Yen195,000.--Annual Sales. -- Mil.Yen900.--Share Capital.</p> <p>Contact person: S. Shiramatsu Manager, Overseas Dept., Solar Air Conditioning and Gas Equip. Div.</p>							
<p>Description of product (main data and specifications): -Solar energized water fired absorption chillers -Flat plate solar collector panels (4,000 - 300,000 Kcal./Hr) -Cooling towers -Air handling units -System control devices -Solar water heaters -Fan coil units -Boilers</p> <p>Terms of delivery (mode of payment): To be dispatched within 90 days after receipt of L/C.</p> <p>Price (valid at the time of issuance of respective data sheet):</p> <p>Guarantees and maintenance service offered:</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
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2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

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<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No. NET-01</p>						
<p>Product(s) manufactured:</p> <p>-- Pyranometers; -- Albedometer; -- Diffuso-pyranometer; -- Actinometer; --Solar integrators and strip chart recorders.</p>	<p>SOLAR RADIATION MEASUREMENT INSTRUMENTS SOLAR LABORATORY EQUIPMENT</p>						
<p>Name and address of manufacturer (including telephone and telex no.): B.V. VOORHEEN P.J. KIPP AND EONEN Telephone: 015-561000 P.O. Box 507 2600 AM DELFT (NETHERLANDS) Telex: 88137</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> <u>mixed</u></p> <p>-- 120 Employees. -- D. Glds.: 13.000.000--Annual Sales. -- D. Glds.: 450,000--Share Capital.</p> <p>Contact person: G. Windmeijer Delft, Oct. 9, 1981</p>							
<p>Description of product (main data and specifications):</p> <p>See above.</p> <p>Terms of delivery (mode of payment): Payment in 30 days from date of invoice, net.</p> <p>Price (valid at the time of issuance of respective data sheet): 3 months validity from date of our quotations.</p> <p>Guarantees and maintenance service offered: We guarantee the good workmanship and functioning of our instruments during the period of guarantee, i.e. during 12 months from date of supply.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

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<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. NET-03</p>						
<p>Product(s) manufactured:</p> <p>-- Evacuated solar thermal receiver tubes. These tubes are solar components, meant to be integrated into a solar collector module by companies that produce solar systems. (<u>Not intended for end users!</u>)</p>	<p>COLLECTORS (EVACUATED TUBES)</p>						
<p>Name and address of manufacturer (including telephone and telex no.): NA. PHILIPS' GLOEILAMPENFABRIEKEN Telephone: 040-756568 C.D. Light-car and miniature lamps, Solar collectors Bldg. EH2 - Emmasingel 5612 AZ Eindhoven (NETHERLANDS) Telex: 35000-PHTC-NL/NLEE VLT Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> mixed</p> <p>Large multi-national company.</p> <p>Contact person: A.H.J. van Rijn</p>							
<p>Description of product (main data and specifications): The highly selective absorber plate is sealed into the evacuated glass tube. Heat transfer to the outside of the tube takes place via a heat pipe. The protruding condenser is to be thermally connected to the user system by the solar systems manufacturer.</p> <p>Terms of delivery (mode of payment): Delivery from stock.</p> <p>Price (valid at the time of issuance of respective data sheet): At large production quantities, the price-level of this advanced collector will be equal to, or less than, that of flat plate collectors.</p> <p>Guarantees and maintenance service offered: 5 year guarantee. Product is maintenance-free.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Assistance comprises solar thermal design and application know-how.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>Depending on size and technological level of customer, and on further conditions, any kind of commercial agreement may be considered.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. UK-01</p>						
<p>Product(s) manufactured:</p> <p align="center">-- Electronic controls.</p>	<p>TEMPERATURE DIFFERENTIAL CONTROLS</p>						
<p>Name and address of manufacturer (including telephone and telex no.): ALFA JOULE LTD. Telephone: (0332) 362334 45, Friar Gate Derby, DE 1, IDA, (U.K.)</p> <p>Size and type of company: (number of employees; annual sales; share capital) <u>private</u> governmental mixed</p> <p>-- 2 Directors. -- £ 30,000--turnover. -- £ 1,000--Share Capital.</p> <p>Contact person: Mr. John Phillips</p>							
<p>Description of product (main data and specifications):</p> <p align="center">Temperature differential controller - entirely solid state 180 to 240 V a.c. (also remote readout electronic thermometer)</p> <p>Terms of delivery (mode of payment): Forward exchange contract until credit reference established.</p> <p>Price (valid at the time of issuance of respective data sheet): £26-50 plus taxes and carriage where applicable for quantities over 50.</p> <p>Guarantees and maintenance service offered: Replacement of failed units returned to U.K. within 1 year of supply.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p align="center">Design and manufacture of standard and purpose-made controls.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input checked="" type="checkbox"/> (specify) Consultancy.</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input checked="" type="checkbox"/> (specify) Consultancy.
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input checked="" type="checkbox"/> (specify) Consultancy.					

Date of issue: March 1982

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UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. UK-02						
Product(s) manufactured: -- solar flat plate collectors.	COLLECTORS (FLAT PLATE)						
<p>Name and address of manufacturer (including telephone and telex no.): ANTARIM LTD. Tel. 073 081 2115 Wedglen Industrial Estate, Bepton Rd. Midhurst, Sussex GU29 9RE (U.K.) Tlx. 86664 G</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> <u>mixed</u></p> <p>-- 10 employees. -- £250,000</p> <p>Contact person: P.N. Stonehouse, Managing Director</p>							
<p>Description of product (main data and specifications):</p> <p>All copper flat plate solar collectors in 1.5, 1.75, and 2.2 sq.M. sizes made of roll bond copper also header and riser design.</p> <p>Terms of delivery (mode of payment): Letter of credit.</p> <p>Price (valid at the time of issuance of respective data sheet): 1.5 = £120 1.75 = £175 2.2 = £210 ex works</p> <p>Guarantees and maintenance service offered: 5 year guarantee.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>To be negotiated.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

V,81-33172

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. UK-05						
Product(s) manufactured: Glass; glass-ceramics; and ceramic material for solar applications	SELECTIVE SURFACES						
<p>Name and address of manufacturer (including telephone and telex no.): CORNING Tel : 607-974-7611 Corning Glass Works (Solar Materials) Corning, New York 14830</p> <p>Size and type of company: (number of employees; annual sales; share capital) <u>private</u> governmental mixed</p> <p>Contact person: Mr. James L. Blackburn, Product Manager</p>							
<p>Description of product (main data and specifications): Code 7070 glass in thin sheets for sealing of solar cells; Tin Oxide electrically conductive films for p.v. devices; Machineable glass ceramics (MACOR) that can be bonded to metals, glasses and other ceramics.</p> <p>Terms of delivery (mode of payment):</p> <p>Price (valid at the time of issuance of respective data sheet):</p> <p>Guarantees and maintenance service offered:</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table data-bbox="455 1588 1407 1692"> <tr> <td>1. Technical <input type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 2982

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UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. UK-07
Product(s) manufactured: -- copper combined hot water tanks. -- copper solar hot water storage tanks.	SOLAR WATER HEATING SYSTEMS
Name and address of manufacturer (including telephone and telex no.): ELSY AND GIBBONS LTD, Tel. 0632.561474 Simonside, South Shields, Tyne and Wear NE34 9PE,(U.K.) Telex 538158 Size and type of company: <u>private</u> (number of employees; annual sales; share capital) governmental mixed - 130 employees - £4,000,000--annual sales Subsidiary of B.I.C.C. Contact person: B. Jordan, Technical Manager	
Description of product (main data and specifications): SHS hot water tank, 115 l, standard capacity, combined with copper solar panel and copper pipework Terms of delivery (mode of payment): Various. Price (valid at the time of issuance of respective data sheet): Depends on product and model. Guarantees and maintenance service offered: No maintenance service - no moving parts.	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input type="checkbox"/> 5. Training <input type="checkbox"/> 2. Management <input type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input checked="" type="checkbox"/> (specify) Manufacture. Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) to be negotiated.	

Date of issue: March 1982

V,81-33172

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. UK-08								
Product(s) manufactured: -- Solar collectors. -- solar hot water sotrage tanks -- differential controller -- temperature indicator/monitor unit.	COLLECTORS (FLAT PLATE) SOLAR WATER HEATING SYSTEMS TEMPERATURE DIFFERENTIAL CONTROL								
<p>Name and address of manufacturer (including telephone and telex no.):</p> ESTEC - SOLAR ENERGY Tel. (0480)51181 Division of Thermopac Co. Ltd. St. Peter's Road, Huntingdom Cambs. (U.K.) Tlx. 32107 - Thepac G Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> <u>mixed</u> <p>Contact person: W.M. Feitelson, Esq.</p>									
<p>Description of product (main data and specifications):</p> EKS-100 solar collectors (1.08 m ² net absorber area); weight: 43 kg Electronic master control unit (differential control and upper temp. control) Temperature indicator unit; combined control/storage unit; solar storage tank. <p>Terms of delivery (mode of payment): Various - Negotiable.</p> <p>Price (valid at the time of issuance of respective data sheet): (UK retail) ex factory collectors £144.44 - 152.78/m²</p> <p>Guarantees and maintenance service offered: 10 year guarantee on collectors. 1 year other products.</p>									
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> Manufacturing know-how) Solar system design know-how) Marketing know-how) </td> <td style="width: 50%; vertical-align: top;"> See attached booklet "Opportunity for Profitable Diversification". </td> </tr> </table> <p>Type of assistance offered:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">1. Technical <input checked="" type="checkbox"/></td> <td style="width: 33%;">3. Marketing <input checked="" type="checkbox"/></td> <td style="width: 33%;">5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		Manufacturing know-how) Solar system design know-how) Marketing know-how)	See attached booklet "Opportunity for Profitable Diversification".	1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
Manufacturing know-how) Solar system design know-how) Marketing know-how)	See attached booklet "Opportunity for Profitable Diversification".								
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>							
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)							

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. UK-10
Product(s) manufactured (and marketed): -- Custom designs of electronic control units (differential controllers, P.V. Power Supplies) -- Marketing of: Solar cookers, P.V. panels, solar collectors, solar calculators -- Energy conservation and auditing.	TEMPERATURE DIFFERENTIAL CONTROLS PHOTOVOLTAIC CELLS COLLECTORS SOLAR COOKERS
Name and address of manufacturer (including telephone and telex no.): HELIOTECHNIC LTD. Tel. 004-2573, 004-0093, 004-6477 10, Barley Mow Passage, London W1 (U.K.) Tlx. 8311413 ext.208 Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> <u>mixed</u> -- approx. 47 (world-wide) Contact person: Mr. John Soubassakos, General Manager	
Description of product (main data and specifications): For custom designs, according to clients specs. for other products see enclosures. Terms of delivery (mode of payment): International Money Order Either FOB, or CIF quotations. Invoice Irrevocable letter of credit. Price (valid at the time of issuance of respective data sheet): Modules: £228-275 (FOB Brussels); Collectors: £85-96 (FOB Athens) Solar cooker: £85 Guarantees and maintenance service offered: Electronic equipment: 1 year Collector, photovoltaics: 5 years.	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) Latest developments especially on custom designs. Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input checked="" type="checkbox"/> 5. Training <input checked="" type="checkbox"/> 2. Management <input checked="" type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Installations Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) Joint ventures; know-how agreements; out-right sales.	

Date of issue: March 1982

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<p>UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. UK-13</p>						
<p>Product(s) manufactured:</p> <p>-- differential temperature switch for solar heating control.</p>	<p>TEMPERATURE DIFFERENT. CONTROLS</p>						
<p>Name and address of manufacturer (including telephone and telex no.):</p> <p>MICROVITEC LTD. Tel.:(0274) 390011 P.O. Box 188, Bolling Rd. Telex: 517717 Bradford BD4 7TU, West Yorkshire (U.K.)</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) governmental mixed</p> <p>- 67 Employees. - £2.1M--Annual sales. - £157.5 K share capital.</p> <p>Contact person: Mr. A. Martinez- MD</p>							
<p>Description of product (main data and specifications):</p> <p>DPS1 electronic control system for operation of circulation pump (control range 0-100°C)</p> <p>Terms of delivery (mode of payment): Foreign sales...letter of credit.</p> <p>Price (valid at the time of issuance of respective data sheet):</p> <p>Depending on quantities from £37.75</p> <p>Guarantees and maintenance service offered: One year guaranteed - all product return made up to fullspec.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>We will sell the rights to manufacture product abroad. all drawings and specs - in any one country at a time.</p> <p>Type of assistance offered:</p> <table style="width: 100%; border: none;"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>total package of know-how with details of how to install, test and maintain, drawings, circuits specification - one package for a sum of money not exceeding £3,500.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

V,81-33172

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No. UK-16</p>						
<p>Product(s) manufactured:</p> <ul style="list-style-type: none"> -- Solar water heating collectors; -- Solar air heating collectors; -- Complete solar water heating system with integral storage tank. 	<p align="center">SOLAR WATER HEATING SYSTEMS</p>						
<p>Name and address of manufacturer (including telephone and telex no.): OCEANWARE LTD. Stretton Rd, Much Wenlock, Shropshire,(U.K.)</p> <p align="right">Telephone: Much Wenlock(0950) 707777 Telex: 910881</p> <p>Size and type of company: (number of employees; annual sales; share capital)</p> <ul style="list-style-type: none"> -- 12 Employees. -- £250,000.--Annual Sales. -- £ 15,000.--Share Capital. <p>Contact person: I.G. Reddihough</p> <p align="right"><u>private</u> governmental mixed</p>							
<p>Description of product (main data and specifications):</p> <ol style="list-style-type: none"> 1. All copper fin + tube, highly absorptive coating, glass or synthetic glazing 2. Aluminium convolute sheet in 'sandwich' form. Absorptive coating, galvanized case. 3. Copper collector as detailed with 3m² area, 175ltr. storage tank with thermosyphon system (ie, complete unit) <p>Terms of delivery (mode of payment): Small quantities ex-stock, others to requirements, payment by irrevocable letters of credit or Bank Draft.</p> <p>Price (valid at the time of issuance of respective data sheet):</p> <ol style="list-style-type: none"> 1. £90. per sq.m; 2. £66. per sq.m; 3. £270. complete. <p>Guarantees and maintenance service offered:</p> <ol style="list-style-type: none"> 1. 10 year; 2. 5 year; 3. 2 years. Generally no maintenance required. 							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p align="center">Design facilities from solar systems to total low energy buildings; Production techniques; Product export.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p align="center">Licensing agreements, possible joint venture schemes.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

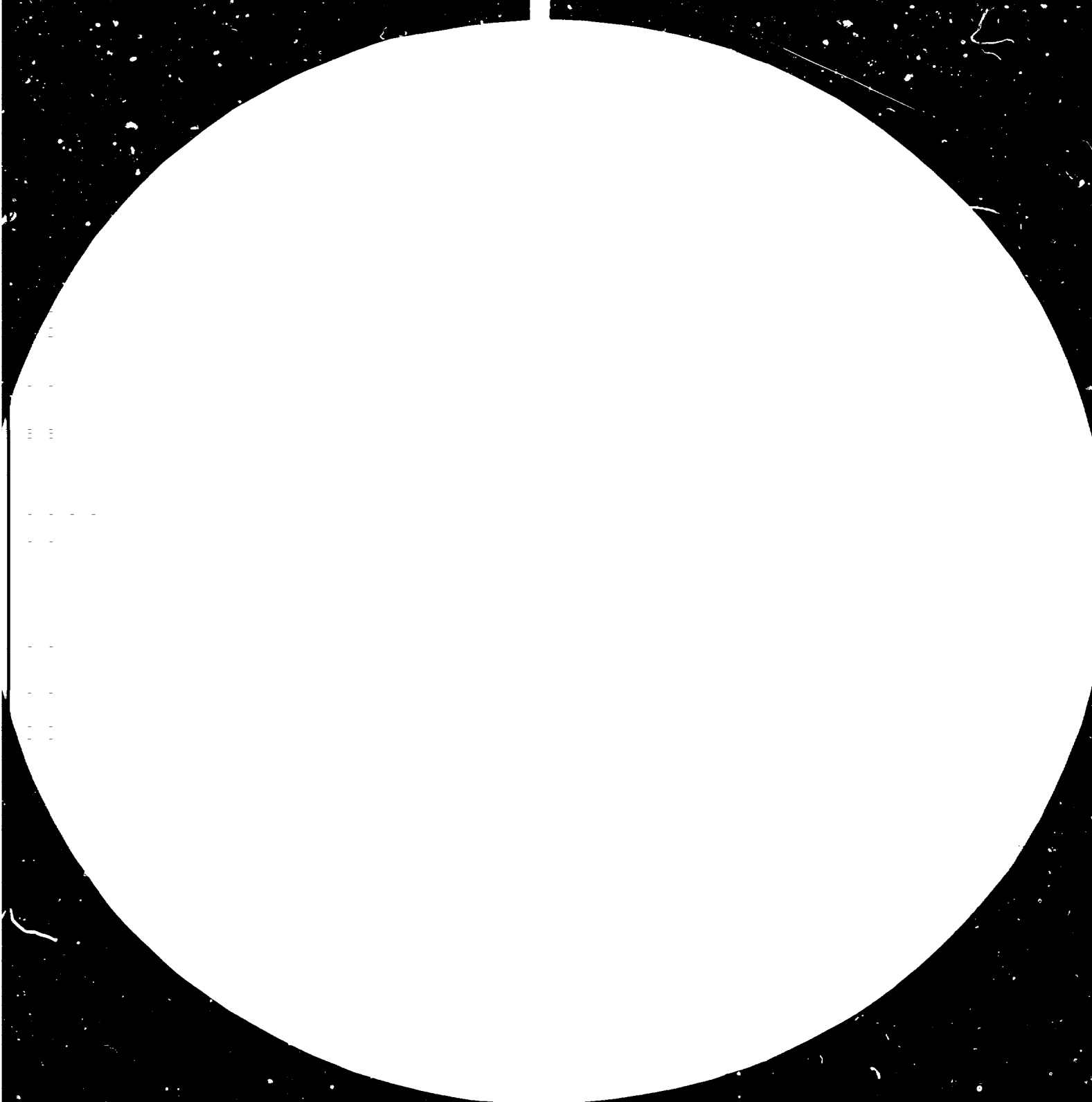
Date of issue: March 1982

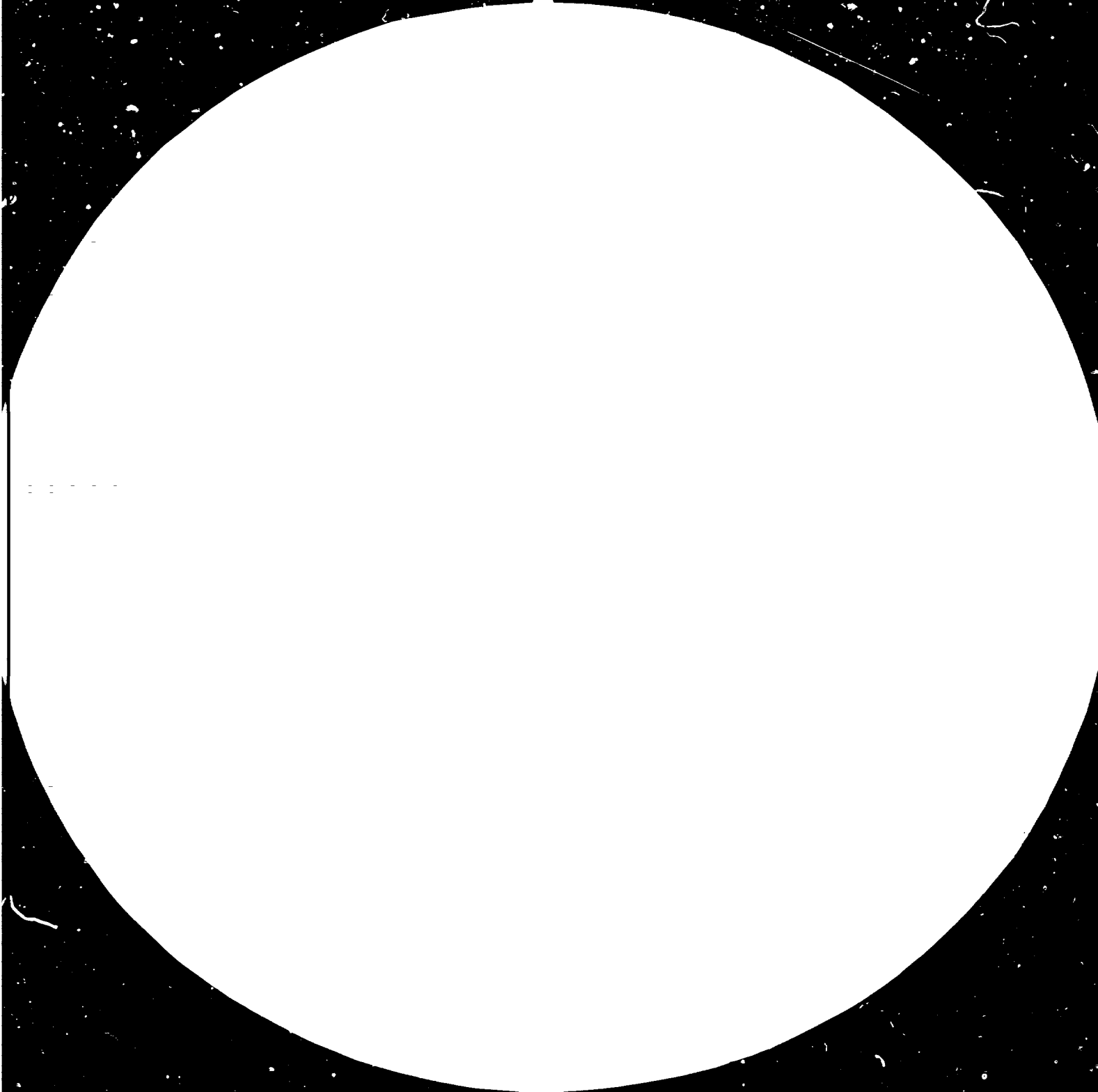
V,81-33172

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No. UK-18</p>						
<p>Product(s) manufactured: PLANET SOLAR COLLECTOR.</p>	<p>COLLECTORS (FLAT PLATE)</p>						
<p>Name and address of manufacturer (including telephone and telex no.): PERCY LANE LIMITED. LICHFIELD ROAD, TEL: 0827-3821 TAMWORTH, STAFFORDSHIRE, ENGLAND. TLX: 34422</p> <p>Size and type of company: (number of employees; annual sales; share capital) <u>private</u> 170 EMPLOYEES. governmental £3m ANNUAL SALES. mixed WHOLLY OWNED SUBSIDIARY OF PERCY LANE GROUP LIMITED, BIRMINGHAM, ENGLAND.</p> <p>Contact person: DR. D. RICHARDSON.</p>							
<p>Description of product (main data and specifications): FLAT PLATE GLAZED COLLECTOR WITH HIGH EFFICIENCY $\eta_o = 0.76$, $U = 4.7$. WATTS/M²/°C.</p> <p>Terms of delivery (mode of payment): BILL OF EXCHANGE PAYABLE ON SIGHT.</p> <p>Price (valid at the time of issuance of respective data sheet): £85. per lm² Collector: quantity basis 50 off. Prices given for different quantities.</p> <p>Guarantees and maintenance service offered: 2 year guarantee.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) Company willing to licence either assembly of parts or total manufacture on mutually acceptable terms.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

82.1114







2.5



Resolution Test Chart
1.0 1.1 1.25 1.4 1.6 1.8 2.0 2.2 2.5

Resolution Test Chart
1.0 1.1 1.25 1.4 1.6 1.8 2.0 2.2 2.5

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. UK-19						
Product(s) manufactured: -- Solar water heating systems, -- controllers -- plumbing accessories -- support structures.	SOLAR WATER HEATING SYSTEMS						
<p>Name and address of manufacturer (including telephone and telex no.): PILKINGTON SOLARPRODUCTS LTD. Telephone: St. Helens (0,44) 28882 Prescott Rd, West Park Bldg., St. Helens, Merseyside, WAlC 3TT (U.K.) extn.2578 telex. 627441.</p> <p>Size and type of company: (number of employees; annual sales; share capital) <u>private</u> <u>governmental</u> <u>mixed</u></p> <p>Subsidiary of major glass manufacturer.</p> <p>Contact person: Mr. A. Rimmer</p>							
<p>Description of product (main data and specifications): 1.94m x 0.92m x 0.15m glass reinforced box iwth 4mm toughened float glass glazing over a matt black copper tube and fin absorber plate, insulated with 65mm fibreglass.</p> <p>Terms of delivery (mode of payment): Letter of credit or equiv., F.O.B. U.K.</p> <p>Price (valid at the time of issuance of respective data sheet): £145/m² less trade discounts up to 25%.</p> <p>Guarantees and maintenance service offered:</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Design manufacture and installation of components of solar water heating system and controls for domestic, commercial or industrial applicaiton.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>Negotiable.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

V,81-33172

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No. UK-20</p>						
<p>Product(s) manufactured:</p> <p>-- Control systems for solar energy systems, heat pumps, energy storage systems, and wind generators.</p> <p>Domestic appliance economisers.</p>	<p>SOLAR CONTROL SYSTEMS HEAT PUMPS ENERGY STORAGE WIND ENERGY</p>						
<p>Name and address of manufacturer (including telephone and telex no.): PRECISION ELECTRONIC CONTROLS LTD., 14-16 Cannon St., Wellingborough, Northants, U.K.</p> <p>Size and type of company: (number of employees; annual sales; share capital)</p> <p>-- 31 Employees. -- £250,000.--Annual Sales. -- £100.--Share Capital.</p> <p>Contact person: F.J. Elderkin</p> <p align="right"><u>private</u> governmental mixed</p>							
<p>Description of product (main data and specifications):</p> <p>List as above. Specifications vary, as the majority of systems are tailor made for each installation.</p> <p>Terms of delivery (mode of payment): Nett 30 days.</p> <p>Price (valid at the time of issuance of respective data sheet): quoted on request for specific equipment.</p> <p>Guarantees and maintenance service offered: 12 months from point of sale.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Feasibility of energy conservation systems and advisory service, backed up by equipment supply and commissioning.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input checked="" type="checkbox"/></td> </tr> </table> <p>(specify) Manufacturing of control systems.</p> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>Quotation initially, followed by 50% deposit in advance balance payable on completion.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input checked="" type="checkbox"/>
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input checked="" type="checkbox"/>					

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. UK-21
Product(s) manufactured: -- Flat plate solar collector.	COLLECTORS (FLAT PLATE)
Name and address of manufacturer (including telephone and telex no.): REDPOINT ASSOCIATES LTD. Telephone: 0793-28440 Cheney Manor Swindon, Wiltshire SN1 8PC (U.K.) Telex: 442 543 Size and type of company: private (number of employees; annual sales; share capital) governmental Subsidiary of Powthorpe Holdings Ltd. mixed -- £50,000,000.-turnover quoted in London Stock Exchange. Contact person: G.L. Fitton	
Description of product (main data and specifications): 1 3/4 m ² flat plate solar collector with heat pipe heat exchanger. Terms of delivery (mode of payment): Nett 30 days. Price (valid at the time of issuance of respective data sheet): £150.00 each Guarantees and maintenance service offered: 5 years. Replacement exchange £30.00	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) Willing to licence part manufacture, distribution, installation and servicing. Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input type="checkbox"/> 5. Training <input checked="" type="checkbox"/> 2. Management <input type="checkbox"/> 4. Design <input type="checkbox"/> 6. Other <input type="checkbox"/> (specify)	
Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) Joint venture, licenced M/F	

Date of issue: March 1982

V,81-33172

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No. UK-23</p>														
<p>Product(s) manufactured:</p> <ul style="list-style-type: none"> -- Differential temperature controllers. -- Absolute temperature controllers. -- Digital thermometers. 	<p>TEMPERATURE DIFFERENTIAL CONTROLS</p>														
<p>Name and address of manufacturer (including telephone and telex no.): RINGDALE ENGINEERING CO.LTD, Telephone: (09063) 64423/65410 7 Burrell Buildings, Chartwell Rd, Churchill Industrial Estate, Lancing, Telex: 87515 Sussex, (U.K.) EN15 8TZ Size and type of company: private (number of employees; annual sales; share capital) governmental mixed</p> <p>Contact person: Mr. Peter Holy, Technical Director</p>															
<p>Description of product (main data and specifications):</p> <p>Various types of DTC, diff. variable 2-9 degC, optional digital temperature readout.</p> <p>Terms of delivery (mode of payment): Usually ex-stock, payment by irrevocable L/C, Bank Draft, etc.</p> <p>Price (valid at the time of issuance of respective data sheet): Lowest cost DTC approximately £45 in 1-piece quantities (July 1981)</p> <p>Guarantees and maintenance service offered: Service available from factory in Lancing.</p>															
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <table border="0"> <tr> <td>1. Analogue circuit design;</td> <td>5. Development work;</td> </tr> <tr> <td>2. Digital circuit design;</td> <td>6. Production capacity available.</td> </tr> <tr> <td>3. Microprocessor development capability;</td> <td></td> </tr> <tr> <td>4. Design of printed circuit boards;</td> <td></td> </tr> </table> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>To be negotiated at the time.</p>		1. Analogue circuit design;	5. Development work;	2. Digital circuit design;	6. Production capacity available.	3. Microprocessor development capability;		4. Design of printed circuit boards;		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Analogue circuit design;	5. Development work;														
2. Digital circuit design;	6. Production capacity available.														
3. Microprocessor development capability;															
4. Design of printed circuit boards;															
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>													
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)													

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. UK-24						
Product(s) manufactured: -- Solar collectors for low temperature applications.	COLLECTORS (FLAT PLATE)						
<p>Name and address of manufacturer (including telephone and telex no.): ROBINSONS Telephone: Winchester (0907) (1777 and 6411) Robinson House, Winnall Ind. Estate Winchester SO28 3LH (U.K.) Telex: 477149</p> <p>Size and type of company: (number of employees; annual sales; share capital) <u>private</u> governmental mixed</p> <p>-- 15 Employees. -- £500,000</p> <p>Contact person: H.A.C. Spelman</p>							
<p>Description of product (main data and specifications): Polypropylene solar collectors which are installed without glazing or insulation.</p> <p>Terms of delivery (mode of payment): To be negotiated.</p> <p>Price (valid at the time of issuance of respective data sheet): 3.6m² collector: £76.00 (ex works)</p> <p>Guarantees and maintenance service offered: 2 year guarantee</p>							
<p>Description of technology offered: (For companies possessing know-how that might be made useful in the developing countries) Technology relating to the product offered free of charge.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. UK-25						
Product(s) manufactured: -- Solar generator systems including hardware and control electronics.	SOLAR ENERGY SYSTEMS						
<p>Name and address of manufacturer (including telephone and telex no.): SOLAPAK LTD. Tel. 0632 471525 Robinson House, Station Rd. Columbia, Washington D.C. Tlx. 537025 Type and year NB30 (BU) (1981)</p> <p>(Size and type of company: (number of employees; annual sales; share capital) private governmental mixed)</p> <p>- 10 - 15 employees - \$500,000 upwards Contact person: Mr. G.A. Finch</p>							
<p>Description of product (main data and specifications): Solar generator systems designed for any application and specification (standard equipment is available however).</p> <p>Terms of delivery (mode of payment): 30 days net</p> <p>Price (valid at the time of issuance of respective data sheet): dependent on system being sold.</p> <p>Guarantees and maintenance service offered: To customers requirements, but generally eighteen months and maintenance to be discussed in the event of an order.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Solar generator systems designed to minimise cost and system size, but to maintain a guaranteed system operation.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) to be discussed.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

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UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. UK-26
Product(s) marketed: -- Supply and install large range of equipment for various solar water heating applications.	SOLAR WATER HEATING SYSTEMS
Name and address of manufacturer (including telephone and telex no.): SOLARTRAPS LTD. Telephone: 01 42 2555 Boundary House Crowdon Lane, Birstall, Surrey SM7 3BW (UK) Telex: 800124 INTIMG BIRUK Size and type of company: (number of employees; annual sales; share capital) private governmental mixed Small company; -- 8 Employees. -- Approx. Sales: £250,000. Contact person: Mr. Robert A. White	
Description of product (main data and specifications): Polypropylene solar panels for low temperature applications. Boxed copper panels with and without selective finish. Unboxed collector panels. Control equipment. Terms of delivery (mode of payment): Negotiable. Price (valid at the time of issuance of respective data sheet): Juarantees and maintenance service offered: Manufacturers guarantees from one to ten years, depending on product. 2 year workmanship guarantee on installation.	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) Considerable experience in the design and engineering of solar water heating systems for projects of all sizes including several systems with over 300 m ² of solar collector. Experience of large hotel systems overseas. Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input checked="" type="checkbox"/> 5. Training <input type="checkbox"/> 2. Management <input checked="" type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) Consultancy agreement, possible joint ventures.	

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT

Reference No.
UK-27

Product(s) manufactured:

-- Solar differential controller
Type SC 801

Agent for collectors and Solar Kits.

TEMPERATURE DIFFERENTI.
CONTROLS

Name and address of manufacturer (including telephone and telex no.):

SOLIGHT SYSTEMS
Solar Heating Engineers
7 The Green, Totley, Sheffield S17 4AT (U.K.)
Tel.0742 366471

Size and type of company:
(number of employees; annual sales; share capital)

private
governmental
mixed

Contact person: Director, I.P. Roberts Dip.Eng.

Description of product (main data and specifications):

Controller operates on 240V a.c. (at request on 12V d.c.);
preset temperature difference of 4°C;
sensors have a working range of -5°C - 120°C.

Terms of delivery (mode of payment):

Cash with order - nett.

Price (valid at the time of issuance of respective data sheet):

£39.90

Guarantees and maintenance service offered:

Full service facility + 1 yr. workmanship/parts defect guarantee.

Description of technology offered:

(for companies possessing know-how that might be made useful in the developing countries)

Type of assistance offered:

- | | | | | | |
|---------------|-------------------------------------|--------------|-------------------------------------|-------------|--------------------------|
| 1. Technical | <input checked="" type="checkbox"/> | 3. Marketing | <input type="checkbox"/> | 5. Training | <input type="checkbox"/> |
| 2. Management | <input type="checkbox"/> | 4. Design | <input checked="" type="checkbox"/> | 6. Other | <input type="checkbox"/> |
| | | | | (specify) | |

Terms and conditions for transfer of technology:

(basis for co-operation: joint ventures; know-how agreements; etc.
reference to patent rights, etc.)

Date of issue: March 1982

<p>UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. UK-28</p>						
<p>Product(s) manufactured:</p> <ul style="list-style-type: none"> -- Flat plate glazed collectors of 1.75m² and 1m² -- Self contained thermosiphon system. -- portable 10 liter solar water heater. 	<p>COLLECTORS (FLAT PLATE)</p>						
<p>Name and address of manufacturer (including telephone and telex no.): SPENCER SOLARISE LTD. Tel. Andover 51625 North Way, Walworth Industrial Estate, Andover, Hants. (UK) Tlx. 477081 Solar G.</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) Part of the Neil and Spencer Group of engineering companies, publicly quoted -- 1,200 employees -- group turnover for 1980 in excess of £27 million</p> <p>Contact person: M. G.F. Sharp, RA, MIQA, AMIPRO/E</p>							
<p>Description of product (main data and specifications):</p> <ol style="list-style-type: none"> 1) 1.75m² and 1m² collectors, roll bond aluminium absorber, to BS5918 tested by Agreement Board. 2) TS thermosiphon system 2.2m² copper tube on fin modular system. 3) Portable 10 litre solar water heater, integral insulated store and copper absorber. <p>Terms of delivery (mode of payment): Normally I.L.O.C.</p> <p>Price (valid at the time of issuance of respective data sheet): Price for guidance: 1.75m² = £120. 1.00m² = £90. TS unit = £400 quantity Discounts may apply, portable = £65. Guarantees and maintenance service offered:</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Working experience of simple small scale heaters up to large scale industrial systems.</p> <p>Type of assistance offered:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">1. Technical <input checked="" type="checkbox"/></td> <td style="width: 33%;">3. Marketing <input checked="" type="checkbox"/></td> <td style="width: 33%;">5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>Licence to manufacture, etc.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

<p>UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. USA-6?</p>						
<p>Product(s) manufactured:</p> <p>-- Photovoltaic solar cells, modules and systems.</p>	<p>PHOTOVOLTAIC CELLS AND MODULES</p>						
<p>Name and address of manufacturer (including telephone and telex no.): APPLIED SOLAR ENERGY CORPORATION Tel. (213) 968-6581 15251 E. Don Julian Rd. City of Industry, CA 91746 (USA) Tlx. 910-584-4890</p> <p>Size and type of company: (number of employees; annual sales; share capital) Public company</p> <p>-- 230 employees -- \$10,000,000 -- 500,000 shares authorized</p> <p>Contact person: Wayne Stevenson, Vice President, Sales and Marketing</p>							
<p>Description of product (main data and specifications):</p> <p>Solar cell 3" .5volts at 1.3 amps 14% efficiency Solar modules 6/12/24volts .3 amps to 5 amps - 3 watts to 80 watts.</p> <p>Terms of delivery (mode of payment): Stock to 4 weeks - letter of credit</p> <p>Price (valid at the time of issuance of respective data sheet): Call for specifics</p> <p>Guarantees and maintenance service offered: 1 yr/3 yrs/7 yrs. depending on product.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Optoelectronics device design and manufacture as well as photovoltaic cell and module design and production.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input checked="" type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/></td> </tr> </table> <p>(specify)</p> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>Know-how agreements.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/>
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/>					

Date of issue: March 1982

V,81-33172

<p>UNITED DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. USA-03</p> <p>PHOTOVOLTAIC CELLS AND MODULES</p>						
<p>Product(s) manufactured:</p> <ul style="list-style-type: none"> -- Photovoltaic modules (devices which convert sunlight into direct current electricity) -- photovoltaic regulators and controllers. -- photovoltaic power systems (full systems of power supply, support structuring, power controllers and end-use or electrical load.) 							
<p>Name and address of manufacturer (including telephone and telex no.):</p> <p>ARCO SOLAR, INC. Tel. (213) 700-7000 20554 Plummer St. Tlx. 188134 Chatsworth, CA 91311(USA) Twx. 910 494 2791 (access via TRT)</p> <p>Size and type of company: (number of employees; annual sales; share capital) private governmental mixed</p> <ul style="list-style-type: none"> - over 600 employees. - largest manufacturer of photovoltaic modules in the world operates large automated factory in California (USA). <p>Contact person: R. Carlson, Product planning and development</p>							
<p>Description of product (main data and specifications):</p> <p>ASI 16-2000 photovoltaic module 35 watts (peak) 11 lbs 4'x 1'--15.5volts, 2.26 amps. ASI 16-2000 " " " " 37 watts (peak) 11 lbs 4'x 1'--16.1volts, 2.3 amps. ASI 5-6600 " " " " 35 watts (peak) 11 lbs 4'x 1'--5.2volts, 6.7 amps.</p> <p>Terms of delivery (mode of payment): Immediate. Factory depots in Singapore and Europe.</p> <p>Price (valid at the time of issuance of respective data sheet):</p> <p>Cuarantees and maintenance service offered: 5 year warranty on power output of modules.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <table style="width: 100%; border: none;"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input checked="" type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982



<p>UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p>Reference No. USA-06</p>						
<p>Product(s) manufactured: -- TEDLAR® HOOSE PVF Film.</p>	<p>SPECIAL GLAZINGS</p>						
<p>Name and address of manufacturer (including telephone and telex no.): E.I. DUPONT DENEMOURS AND CO., INC. Tel. 302-772-5880 Polymer Products Department Concord Plaza-Talley Bldg. Wilmington, DE 19898 (USA) Size and type of company: (number of employees; annual sales; share capital) <u>private</u> governmental mixed</p> <p>-- 125,000 employees. -- \$12MM</p> <p>Contact person: Robert P. deBussy</p>							
<p>Description of product (main data and specifications): 4 mil film for outer/single glazing on flat plate solar collectors.</p> <p>Terms of delivery (mode of payment): 30 days net</p> <p>Price (valid at the time of issuance of respective data sheet): \$10.40/lb. (29.7 cents/sq.ft)</p> <p>Guarantees and maintenance service offered:</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in t' developing countries)</p> <p>Type of assistance offered:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">1. Technical <input checked="" type="checkbox"/></td> <td style="width: 33%;">3. Marketing <input type="checkbox"/></td> <td style="width: 33%;">5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

V,81-33172

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. USA-07
Product(s) manufactured: -- Finned tube heat exchangers (submersible) -- Tube by tube doublewall counterflow heat exchangers (external)	HEAT EXCHANGERS
Name and address of manufacturer (including telephone and telex no.): EDWARDS ENGINEERING CORPORATION Tel. 201-835-2808 101 Alexander Ave. Pompton Plains, N.J. 07444 (USA) Size and type of company: (number of employees; annual sales; share capital) private governmental mixed -- 350 employees.	
Contact person: Robert A. Pennabere	
Description of product (main data and specifications): Finned tubing: 1/2", 5/8", 3/4", 7/8" OD Copper tubing w/ 1/8" high copper fins spaced at 12 per inch. Various configurations Tube by tube: all copper or alternate materials. Units may be stacked and manifolded and/or insulated. Terms of delivery (mode of payment): 30 days upon credit approval FOB Pompton Plains. Price (valid at the time of issuance of respective data sheet): from \$2.00 to \$5.00 per foot - finned tube. from \$35.00 up - tube by tube. Guarantees and maintenance service offered:	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input checked="" type="checkbox"/> 5. Training <input type="checkbox"/> 2. Management <input type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify)	
Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)	

Date of issue: March 1982

V.81-33172

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. USA-08
Product(s) manufactured: -- Precision solar radiation instruments.	SOLAR RADIATION MEASUREMENT INSTRUMENTS / SOLAR LABORATORY EQUIPMENT
Name and address of manufacturer (including telephone and telex no.): THE EPPLEY LABORATORY, Inc. Tel. 401 847-1020 12 Sheffield Ave. Newport, RI 02840 (USA) Tlx. 944 329 Ans. Back: SRVC Mark Att: EPLAB Size and type of company: (number of employees; annual sales; share capital) private governmental mixed Contact person: George L. Kirk	
Description of product (main data and specifications): Precision solar measuring equipment including pyranometers, pyrhemometers, infrared and ultraviolet radiometers and associated instrumentation. Terms of delivery (mode of payment): cash with order; Sight Draft or letter of credit. Price (valid at the time of issuance of respective data sheet): ask for price list Guarantees and maintenance service offered: 12 months.	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) Type of assistance offered: 1. Technical <input type="checkbox"/> 3. Marketing <input type="checkbox"/> 5. Training <input type="checkbox"/> 2. Management <input type="checkbox"/> 4. Design <input type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)	

Date of issue: March 1982

V,81-33172

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. US4-10	
Product(s) manufactured: -- Photovoltaic modules and systems.	PHOTOVOLTAIC CELLS AND MODULES	
Name and address of manufacturer (including telephone and telex no.): MOBIL TYCO SOLAR ENERGY CORP. Tel (617) 890-0909 No. 16 Hickory Dr. Waltham, MASS. 02254 (USA)		
Size and type of company: (number of employees; annual sales; share capital)	<u>private</u> governmental mixed	
-- 200 employees. -- Joint venture between Mobil Corp. and Tyco Cabs, Inc.		
Contact person: Bob Hammond, Marketing Manager		
Description of product (main data and specifications): Photovoltaic Modules manufactured from silicon ribbon solar cells.		
Terms of delivery (mode of payment): FOB Waltham, Mass. Price (valid at the time of issuance of respective data sheet): \$10 to \$18/Watt (peak) depending on quantity (1980 prices)		
Guarantees and maintenance service offered: 1 - 5 years.		
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)		
Type of assistance offered:		
1. Technical <input type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>
2. Management <input checked="" type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)		
Joint ventures.		

Date of issue: March 1982

V,81-33172

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT

Reference No.
USA-11

Product(s) manufactured: Solar thermal and solar photovoltaic products and systems. Renewable energy counseling. Specific products include: photovoltaic panels and power systems, photovoltaic water pumping systems, solar evaporative cooling systems, solar hot water systems, renewable energy publications, and solar consumer products. Expert counseling services to business, industry, and government for specialized, advanced or proprietary needs.

PHOTOVOLTAIC BASED SYSTEMS
SOLAR WATER PUMPS
SOLAR HOT WATER SYSTEMS
SOLAR COOLING SYSTEMS

Name and address of manufacturer (including telephone and telex no.):

MONECON LTD. Tel. 301/258-7540
10 Professional Drive, Suite 130
Gaithersburg, Maryland 20879 (USA) Tlx. 710-828-9617

Size and type of company: private
(number of employees; annual sales; share capital) governmental
mixed

-- 28 employees.

Contact person: George Wheelock, International Marketing Manager

Description of product (main data and specifications):

DC power systems (12 V or 24 V)
AC power systems (115V 60 Hz)
Photovoltaic powered exhaust fan; domestic hot water systems

Terms of delivery (mode of payment):

Irrevocable letter of credit or sight draft.

Price (valid at the time of issuance of respective data sheet):

FOB Factory - write or Telex for current export price list or quote.

Guarantees and maintenance service offered:

Standard or as required.

Description of technology offered:

(for companies possessing know-how that might be made useful in the developing countries)

Engineering, development, and systems integration of renewable energy systems.

Type of assistance offered:

- | | | |
|---|--|---|
| 1. Technical <input checked="" type="checkbox"/> | 3. Marketing <input checked="" type="checkbox"/> | 5. Training <input checked="" type="checkbox"/> |
| 2. Management <input checked="" type="checkbox"/> | 4. Design <input checked="" type="checkbox"/> | 6. Other <input checked="" type="checkbox"/>
(specify) Counseling. |

Terms and conditions for transfer of technology:

(basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)

As required.

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. USA-12						
Product(s) manufactured: -- Photovoltaic solar systems.	PHOTOVOLTAIC BASED SYSTEMS						
<p>Name and address of manufacturer (including telephone and telex no.): MOTOROLA INC., Tel.602-355-6511 Semiconductor Section, Solar Operations 5005 E. McDowell Rd. - Phoenix, Ariz. 85008(USA) Tlx. 910-951-1334</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> -- 71,500 Employees. <u>mixed</u> -- *3 billion - annual sales -- *2 million - share capital</p> <p style="text-align: right;">*Motorola Corporate figures.</p> <p>Contact person: Pat Waiton, Product Marketer, Solar Product Marketing</p>							
<p>Description of product (main data and specifications): remote lighting systems; remote TV systems; refrigerator systems; voltage regulator for p.v. power systems</p> <p>Terms of delivery (mode of payment): 30 days net, F.O.B. Phoenix</p> <p>Price (valid at the time of issuance of respective data sheet): p.v. modules (min 25) \$349-511 p.v. systems incl. structure \$1.102-10,007; voltage regulator \$232</p> <p>Guarantees and maintenance service offered: 1 year guarantee.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p style="text-align: center;">See attached data.</p> <p>Type of assistance offered:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">1. Technical <input checked="" type="checkbox"/></td> <td style="width: 33%;">3. Marketing <input checked="" type="checkbox"/></td> <td style="width: 33%;">5. Training <input type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input checked="" type="checkbox"/>	5. Training <input type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

V,81-33172

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. USA-20
Product(s) manufactured: --Software for pre-programmable hand-held calculators for solar energy calculations (see literature, enclosed) Book: "Solar Energy Calculations" by Dr. Roderich Graeff	ad SOLAR SPACE HEATING SYSTEMS
Name and address of manufacturer (including telephone and telex no.): SOLARCON, INC. Tel. (313) 769-6588 607 Church Ann Arbor, Michigan 48104 (USA) Size and type of company: (number of employees; annual sales; share capital) <u>private</u> governmental mixed -- 2 employees. Contact person: Morlene H. Martin	
Description of product (main data and specifications): SOLARCON's programs are sold in the form of pre-recorded magnetic cards which can be used with the programmable calculators, TI 5- or HP 41C and are delivered with detailed documentation. Together with weather data cards, they allow the estimation of annual performance of active and passive solar heating systems. They are primarily aimed for engineers, architects, scientific institutions and companies in the field of solar energy. Terms of delivery (mode of payment): Net 30 days - Payment in US funds. Price (valid at the time of issuance of respective data sheet): Individual programs: \$75 - 225 Program libraries: \$225 - 1225 Guarantees and maintenance service offered: Yes.	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) N/A. Type of assistance offered: 1. Technical <input type="checkbox"/> 3. Marketing <input type="checkbox"/> 5. Training <input type="checkbox"/> 2. Management <input type="checkbox"/> 4. Design <input type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)	

Date of issue: March 1982

V,81-33172

<p align="center">UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT</p>	<p align="center">Reference No. USA-22</p>						
<p>Product(s) manufactured:</p> <p align="center">-- Solar cells, solar modules, solar electric (PV) generators.</p>	<p align="center">PHOTOVOLTAIC CELLS AND MODULES</p>						
<p>Name and address of manufacturer (including telephone and telex no.):</p> <p>SOLENERGY INTERNATIONAL CORP. Tel (617) 938 0563 171 Merrimac St. Woburn, Mass. 01801 (USA) Tlx. 95-1677 SOLENERGY WOBN</p> <p>Size and type of company: <u>private</u> (number of employees; annual sales; share capital) <u>governmental</u> -- approx. 50 employees. <u>mixed</u></p> <p>Contact person: C. William Clark, Vice President of Marketing</p>							
<p>Description of product (main data and specifications):</p> <p>Single crystal silicon solar PV cells in sizes from .5x.25cm to 100mm. Solar (PV) modules in sizes from 2.5 peak watts to 35 peak watts. Construction of glass/silicone rubber/glass or glass/silicone rubber/aluminum. <u>Terms of delivery (mode of payment):</u> Delivery time: Normally 4 to 8 weeks after receipt of order and letter of credit Price (valid at the time of issuance of respective data sheet): Prices range from less than \$10. per peak watt for orders of large modules in volume, to \$20. per peak watt for small modules. Cell prices vary with purchase of volume and amount of cutting required. <u>Guarantees and maintenance service offered:</u> Generator systems supplied do not require frequent maintenance. Installation supervision quoted on project by project basis Standard guarantee: 1 year.</p>							
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Encapsulation technology for manufacture of modules using glass/silicone rubber/aluminum material.</p> <p>Type of assistance offered:</p> <table border="0"> <tr> <td>1. Technical <input checked="" type="checkbox"/></td> <td>3. Marketing <input type="checkbox"/></td> <td>5. Training <input checked="" type="checkbox"/></td> </tr> <tr> <td>2. Management <input type="checkbox"/></td> <td>4. Design <input checked="" type="checkbox"/></td> <td>6. Other <input type="checkbox"/> (specify)</td> </tr> </table> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) Know-how agreement involving contract payment for purchase of equipment, training, start-up of local manufacturing plant. Additional training in arraying, inter-module wiring and system sizing is also available.</p>		1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>	2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)
1. Technical <input checked="" type="checkbox"/>	3. Marketing <input type="checkbox"/>	5. Training <input checked="" type="checkbox"/>					
2. Management <input type="checkbox"/>	4. Design <input checked="" type="checkbox"/>	6. Other <input type="checkbox"/> (specify)					

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. USA-23
Product(s) manufactured: -- Photovoltaics: Solar cells, solar modules solar arrays.	PHOTOVOLTAIC CELLS AND MODULES
<p>Name and address of manufacturer (including telephone and telex no.): SOLLOS INCORPORATED 2231 S. Carmelina Ave. Los Angeles, Calif. 90064 (USA)</p> <p>Size and type of company: (number of employees; annual sales; share capital) <u>private</u> governmental mixed</p> <p>-- 6 employees. -- \$100,000</p> <p>Contact person: Dr. Milo Macha</p>	
<p>Description of product (main data and specifications): Silicon solar cells; Solar arrays (6 and 12 V series); custom-designed encapsulation;</p> <p>Terms of delivery (mode of payment): 4 to 6 weeks ARO - Letter of Credit or prepaid</p> <p>Price (valid at the time of issuance of respective data sheet): Negotiable for larger projects; 10-49 units: 5% discount; 50-99 units: 10% discount</p> <p>Guarantees and maintenance service offered: Two years guarantee.</p>	
<p>Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries)</p> <p>Type of assistance offered:</p> <p>1. Technical <input checked="" type="checkbox"/> 3. Marketing <input type="checkbox"/> 5. Training <input checked="" type="checkbox"/> 2. Management <input checked="" type="checkbox"/> 4. Design <input checked="" type="checkbox"/> 6. Other <input type="checkbox"/> (specify)</p> <p>Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.)</p> <p>Joint ventures and/or know-how agreements based on proprietary processes.</p>	

Date of issue: March 1982

UNIDO DATA SHEET ON SOLAR HARDWARE AND EQUIPMENT	Reference No. USA-24
Product(s) manufactured: -- Solar collectors: flat plate, liquid -- Solar collectors: evacuated tube -- Hot water systems -- Pool heating systems -- Solar auxiliaries.	COLLECTORS (FLAT PLATE AND EVACUATED TUBE) SOLAR WATER HEATING SYSTEMS
Name and address of manufacturer (including telephone and telex no.): SUNWORKS Tel. 201-469-0399 P.O. Box 3900 Somerville, New Jersey 08876 (USA) Tlx. 642317 Sunworks SVI Size and type of company: (number of employees; annual sales; share capital) <u>private</u> governmental mixed Subsidiary of ASARCO (American Smelting and Refining Co.) Contact person: V. William Copcutt, Foreign Sales Manager	
Description of product (main data and specifications): Selective surface Selector collectors. Prepackaged open loop, closed loop, and drainback systems for hot water. Terms of delivery (mode of payment): FOB Factory: Freight allowed to USA Port. Sight draft against letter of credit. Price (valid at the time of issuance of respective data sheet): Upon receipt of inquiry defining interest. Guarantees and maintenance service offered: 5 year limited warranty. No maintenance service.	
Description of technology offered: (for companies possessing know-how that might be made useful in the developing countries) a. Application, performance, instructions of installations and operation. b. rights of local manufacture. Type of assistance offered: 1. Technical <input checked="" type="checkbox"/> 3. Marketing <input checked="" type="checkbox"/> 5. Training <input checked="" type="checkbox"/> 2. Management <input type="checkbox"/> 4. Design <input type="checkbox"/> 6. Other <input type="checkbox"/> (specify) Terms and conditions for transfer of technology: (basis for co-operation: joint ventures; know-how agreements; etc. reference to patent rights, etc.) a. With agreement to purchase from Sunworks. b. License agreement and royalties.	

Date of issue: March 1982

