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www.qs-group.com Cap. Soc. L. 620.000.000 i.v. R.E.A. An 84095 Reg. Imprese An 9279 C.F. e Part. IVA 00672550423 Cod. Id. CEE IT 00672550423

UNIDO PROJECT NUMBER MP/BIH/03/029

PHASING-OUT OF CFCs AT SOKO PANELI located at Ljubunje, BOSNIA and HERZEGOVINA
CONTRACT NO. 2003/092
Unido purchase order no. 16000487

FINAL REPORT

Report covering all activities at the plant site for the Start-up and Commissioning of the foaming machines for HCFC-141b



In this section we summarize all the actions we made for the test run, the start-up and commissioning of the foaming machine installed respectively in:

SOKO PANELI

located at Ljubinje (Bosnia and Hezegovina).

- We had positioned the foaming machine type "Ecodosing ED2-50DS" where it will be used for the production; the machine was connected to all the necessary utilities;
- Then we foamed some bags with the cabinet foaming machine to test the quality of the polyurethane foam and to adjust the pouring time;
- We set up the final adjustments of the ratios and pressures of the materials.
- We injected some samples of cabinets in order to find the right grade of filling and also the right pouring time.
- We got a good quality of cabinets according to the Customer's requirements and we fixed the pouring time.
- Final training on the use of the machine, maintenance of the machine, repair and operation of the modified plant.

Attached (Annex 1) you will find the final document with the final acceptance of the Customer.

QS Group S.p.A.	
Plastic Division	
Antonio Fogliaro	
Sales Engineer	





Annex 1 Certificate of Final Acceptance Test



Integrated Industrial Automation

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www.qs-group.comCap.Soc. € 373.380.00 i.v.
R.E.A. An 84095
Reg.Imp. An 00672550423
C.F./ P.I. 00872550423
Cod.Id.CEE 1T00072550423

CERTIFICATE OF FINAL ACCEPTANCE TEST AND MACHINE TAKING-OVER REPORT

Purchaser UNITED NATIONS INDUSTRIAL DEVELOPMENT

ORGANIZATION - UNIDO

VIENNA INTERNATIONAL CENTRE P.O. BOX 300, A-1400 VIENNA, AUSTRIA

<u>Customer</u> SOKO PANELI, Crnogorski put bb

Ljubinje - Bosnia Herzegovina

Supply HIGH PRESSURE FOAMING MACHINE MOD. ECODOSING

ED 2-50DS; Serial Number:

Contract PROJECT NO.: MP/BIH/02/157

UNIDO CONTRACT NO.: 03/065

UNIDO PORCHASE ORDER NO.: 16000472

QS-GROUP/Plastic T18

Division reference

The machine starting-up, foam production testing and putting into operation was performed:

from 10 May to 12 May 2005 in the Production Plant of the c/o SOKO PANELI, Lubinje Ljubinje - Bosnia Herzegovina.

Mr. Fabio Trombini, the technician of the supplier QS-GROUP-PLASTIC DIVISION have finished the commissioning and have effected the final test of the following plant, with positive result:

N°1 HIGH PRESSURE FOAMING MACHINE MOD. ECODOSING ED 2-50DS

Starting from 13 May 2005 the plant has successfully started to produce rigid foam for the customer products: insulation panels and commercial refrigeration appliances using the foam components and raw materials that were in the factory:

CHEMICALS: Pre-mixed Polyol with HCFC-141b (Deltapur 55607/BW)

Isozianat (Deltanat ISL)

HYDRAULIC OIL: Super HVL-46, Modriča, BiH

Metal sheet division
Metal sheet processing technology

Factory: Cerreto D'Esi (AN) Tel +39 0732 67081 metalsneet@qs-group.com Plastic division
Plastic processing technology

Factory: Abbiategrasso (MI) Tel +39 02 9401821 plastic@qs-group.com Logistic division

Handling, assembly, automatic warehouse, AGV Factory: Pavia (PV) Tel +39 0382 575601 logistic@qs-group.com

Electronic division

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Test devices, Industrial software applications
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During the assembly and the final start-up of the plant, the necessary training for operators, maintenance people and safety team was done by QS-GROUP S.p.a, with positive result: Specialist: Mr. Cuk Radenko, Mr. Lugonja Zdravko, Mr. Toholj Trifko

NOTE:			

QS-GROUP - PLASTIC DIVISION REPRESENTATIVE

NAME: Mr. Fabio_Trombini

Date: 12. May 2005

CUSTOMER APROVAL

PREDMANNE. Wr. Borko Bogdanovic, Director

&OKO PANELI a.d

ENDORSED BY NOU REPRESENTATIVE

Mr. Ibro Cengic, NOU Manager

SIGNATURE:

Date: 12. May 2005