



TOGETHER
for a sustainable future

OCCASION

This publication has been made available to the public on the occasion of the 50th anniversary of the United Nations Industrial Development Organisation.



TOGETHER
for a sustainable future

DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

CONTACT

Please contact publications@unido.org for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at www.unido.org



16 JAN 1991

Unternehmensgruppe OMV

H. Huber c/o
OMV Aktengesellschaft
Trainingdepartmen

18754

Otto-Wagner-Platz 5
A-1090 Wien
Postfach 15, A-1091 Wien
Telex: 114801
Telefax: (0222) 404 40/91
Telegramm: ERDOEL WIEN
DVR: 0066648

Mr. D. GARDELLIN, Director
General Services Division
Department of Administration
UNIDO

P.O. Box 300
A-1400 Vienna

Ihr Zeichen	Unser Zeichen	(0222) 404 40 - 0*	Datum
-	Breyer	2644	1990 12 21

Dear Mr. Gardellin,

Reference: Project No. US/INT/89/291 - Contract No. 90/155P
Workshop on Maintenance, Plant Inspection and Energy
Conservation in Petroleum Refineries in Austria

F I N A L R E P O R T

This is to confirm that one folder about Maintenance in Refineries, given to each participant of the above mentioned Workshop, were also handed over to Mr. Derrough.

Our experts have held extensive lectures as scheduled following:

Monday Oct. 29

- 10.00 Opening Session at JNO CITY Vienna and Treatment of Organizational Questions
- 12.00 Lunch at UNIDO
- 14.00 Sightseeing Tour
- 18.00 Heuriger

Tuesday Oct. 30

- 09.00 Arrival at ÖMV's Schwechat Refinery
- o Welcome by Refinery Manager
 - o Introduction of all Associates participating in Workshop
 - o Presentation of Workshop Program
 - o Brief introduction to ÖMV Aktiengesellschaft
- 10.00 Technical Visit through the Refinery
- 12.00 Lunch in Refinery
- 13.00 Maintenance Organization in the Refinery

Wednesday Oct. 31

- 09.00 Plant Inspection
- o Corrosion Problems in Petroleum Refineries
 - o Scheduling Equipment for Inspection
 - o Inspection Methods
 - o Deterioration and Failure of Equipment and its Prevention
- 12.00 Lunch in Refinery
- 13.00 Plant Inspection
- o Corrosion Protection by Organic Layers (Paint)
 - o Subliming Fire Proofing Materials
 - o Inspection Procedures
 - o Lifetime of Equipment
 - o Detailed Equipment Inspection

Thursday Nov. 1

- 10.00 Holiday Program to Semmering
Visit to ÖMV's Management Training Center

Friday Nov. 2

- 09.00 Technical Visit to Technical Service Department Gerasdorf
- 13.00 Lunch at Kadlez Stuben

Monday Nov. 5

- 09.00 Plant Inspection
Practical Demonstrations
- 12.00 Lunch in Refinery
- 13.00 "Technischer Überwachungsverein"
o Material Standards
o Pressure Parts
o High/Low Temperature Service
o Austrian Pressure Vessel Code
o NDT/DT-Testing Regulations for Materials

Tuesday Nov. 6

- 09.00 Plant Inspection
o NDT-Equipment Show
o Busride to the ACOUSTIC EMISSION TRAILER with onsite demonstrations in cooperation with TÜV-Vienna
- 12.00 Lunch in Refinery
- 14.00 Austrian Federal Economic Chamber
including presentation of different equipment producing companies

Wednesday Nov. 7

- 09.00 Warehoumanagement
o Supply
o Organization
o Administration
o Optimization
o Computerization
o Visit to the warehouse

Thursday Nov. 8

- 09.00 Specific Workshops
o FCC Problems
o Non-metalic Materials in Refinery Service
o Environmental Control Utilities
- 12.00 Lunch in Refinery
- 13.00 Computerized Intefrated Maintenance Information System - Teroman

Friday Nov. 9

09.00 Technical Visit to the Hörbiger Company
A Manufacturer of Compressor Valves

Monday Nov. 12

09.00 Maintenance of Rotating Equipment Compressors,
Turbomachinery

12.00 Lunch in Refinery

13.00 Visit to Refinery Workshops

Tuesday Nov. 13

09.00 MSR - Maintenance
o Maintenance of Instrumentation
o Process Analysis Equipment

12.00 Lunch in Refinery

13.00 Practical Demonstration of various NDT Techniques

Wednesday Nov. 14

09.00 Technical Visit to Central Welding Institut

12.00 Lunch in Refinery

13.00 Demonstrations (Films)
"Flixborough Desaster"
"The Day the Sky cought Fire"

Thursday Nov. 15

09.00 Question and Answer Session
The participants can discuss their problems with the
panel and exchange their experiences in a particular
field.

Friday Nov. 16

09.00 Final Discussion at UNIDO

12.00 Lunch at UNIDO

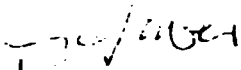
14.00 Concluding Session at UNIDO

For more Information about the UNIDO Workshop please look at
the enclosed Report of Ing. Hornasek and Dipl.-Ing. Miglitsch.

The Financial Statement (in five copies) will mailed at you
after Christmas.

With kind regards,

sincerely yours,



H. Huber

Encloser

ÖMV Training Department
Taborstraße 1-3
A-1020 Wien, Austria

Vienna, January 21, 1991

F I N A N C I A L S T A T E M E N T

=====

**Projekt 7th Workshop on
Maintenance, Plant Inspection and Energy
Conversation in Petroleum Refineries, 1990**

1. Preperation, organization and conduct of WORKSHOP, including provision of conference facilities, and external manpower needs	AS 150.000,-
2. Luncheons and refreshments for 19 participants	AS 47.500,-
3. Transportation from the hotel to the refinery and back to the hotel various excursions	AS 80.000,-
4. Insurance for normal medical treatment for 19 participants	AS 15.200,-
5. 2 ÖMV experts average and more per day 13 days = 26 days	AS 130.000,-
6. Telexes, letters by participants to home country, packing material for mailing of conference material	AS 7.000,-
7. Hospitality programs (lunch at UNIDO, 2 evenings, sightseeing tour, excursion to ÖMV's training center)	AS 31.000,-
8. Books, Literatures	AS 5.000,-
9. Provision of all documents, manuscripts, drawing, etc.	AS 72.000,-
	<hr/>
	AS 537.700,-
	=====

H. Huber