



TOGETHER
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24/7/03

*for 150's evaluation
+ memo for
Chauas*

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2003-07-15



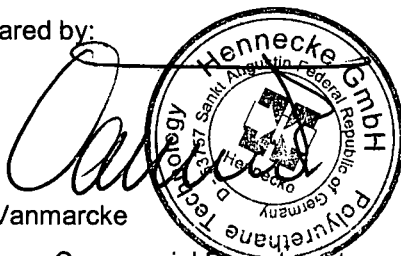
Subject: Final Report, to contract 02 / 010 our reference A 0100-1305
UNIDO Purchase Order No. 16000025
UNIDO Project No. MP/IRA/01/141

**COMMISSIONING AND FINAL REPORT
PHASING OUT CFC-11 IN THE MANUFACTURING OF RIGD PU FOAM
THROUGH THE USE OF 141b BLOWING AGENT
GASSO**

Prepared by:

i.V.

Jan Vanmarcke
Manager Commercial Department
(in absence of Mr. Croiset)



1. Introduction
2. Installation
3. Dry run
4. Start-up and commissioning
5. Existing equipment dismantling
6. Recommendations for future projects

1. INTRODUCTION

The equipment was shipped end of 2002 to Iran and after customs clearance it was brought to Gasso, app. 1 hour from the capital city Theran. Due to the war in Iraq and subsequent travel restrictions the installation was delayed until June 2003.

No changes have been applied to the original installation plan.

2. INSTALLATION

All the resources for the machine were already prepared by the customer and the installation proceeded without any problems. The machine has been placed next to the foaming fixtures so that with the boom and balancer all the fixtures could be filled with foam.

The time required for the installation by our mechanical and electrical engineer was one week.

3. DRY RUN

After the installation of the mechanical and electrical connections our Process engineer together with the customer has performed the dry run start up and commissioning.

The dry run is performed with all the raw materials loaded whereby the pumps are tested for:

- Leakage
- Pressure output and stability
- Calibration of the pumps

- Electrical and software test
- Mixhead output calibration

Hennecke GmbH

No problems incurred during the dry run testing for the machine.

4. START-UP and COMMISSIONING

The commissioning followed after the dry run testing and good foam was produced immediately. Together with the customer the foam weights have been established as due to the use of a high pressure machine there are changes with respect to the used low pressure machine.

5. TRAINING

After the installation and commissioning the customer was trained in among other the following:

- Machine operation
- Determination of foam weights
- Setting of the machine

6. EXISTING EQUIPMENT DISMANTLING

The existing machines has been removed, destruction of the mixing head and other parts will be done by the local Unido representation together with the customer.

7. RECOMMENDATIONS FOR FUTURE PROJECTS

Customs clearance could take less time in order to speed up the project, notwithstanding the delays due to the Iraq war.

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Übergabeprotokoll Acceptance report	HA	Adresse: D-53754 Sankt Augustin Sankt Augustin (Birlinghoven) Birlinghovener Straße 30 Telefon: +49-(0)-22 41 / 3 39-0 Telefax: +49-(0)-22 41 / 3 39-2 04
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Montageauftrags-Nr. assembly order no.	170100-1305 001 / 177240-1305 001	
Montage bei der Firma assembly at	Gyasso Febran	
Reisender field engineer	W. Wegner	
Montage ausgeführt assembly carried out	vom from	bis until
Maschinentyp machine type	Baseline	2003
Art der Arbeit type of work carried out	Commissioning of the Baseline	

Die unter diesem Auftrag bestellten Arbeiten wurden fachgerecht durchgeführt. Installierte Anlagen/Maschinen sind getestet und betriebsbereit übergeben worden. Die Funktionen der Anlage wurden dem Auftraggeber anhand eines Funktionslaufes übermittelt.

The work specified under the above order No has been completed properly. The installed plants/machines were tested and handed over ready for use. The customer was informed of the plant functions by means of a „dry run“.

Folgende Arbeiten müssen noch ausgeführt werden:*)
The following work is still required:*)

Many bottles of the pumps (Lubrication) are broken 10 pieces
O-Ring Tank filling.

The Baseline is now ready for Production

Datum: MOSTOLF
(Date) M.M

Auftraggeber: 22.06.03
(Customer)
Hennecke: W. Wegner

*) Nichtzutreffendes streichen
*) Delete if not applicable

Produktion
Verkauf
Konstruktion
Reisender
Auftraggeber
Blatt 1 (weiß)
Blatt 2 (gelb)
Blatt 3 (blau)
Blatt 4 (grün)
Blatt 5 (altgold)