



MUKALLA RAYSUT CEMENT TERMINAL at MAALA-PORT, Aden

Location:

Client:

Available area :

Storage capacity:

Capacity each silo:

Total storage capacity:

Erection time:

Maalla Port, Aden/Yemen

Mukalla Raysut Cement Co., Mukalla/Yemen

80 m x 30 m = 2 400 m²

4 steel plate silos, bolted type, diameter 12 m,
height 45 m, truck passable under 2 silos

2 970 m³ = 4 000 t

16 000 t

9 month including piling and foundation



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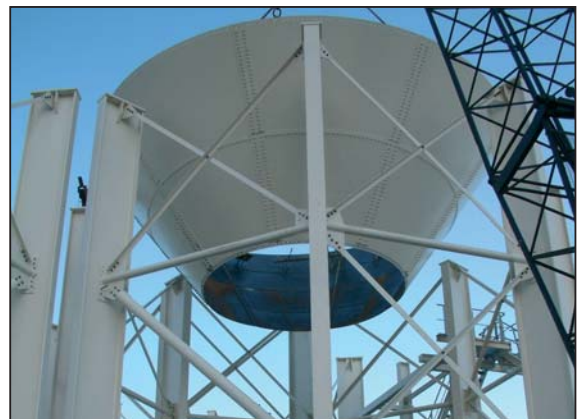
Foundation size:

28 m x 28 m x 1,5 m. Acc. to soil test, piling was necessary. The only available piles in Yemen were 350 x 350 mm. Required pile length 17,5 m to 18 m.

Number of piles:

240 pieces with a heavy steel reinforcement raft foundation on top, thickness 1,5 m.

Pre assembled parts are lifted ► inside the steel structure.



◀ The bolted type silos allow a fast erection in comparison to welded type silos.



► A stair tower for easy and safe, quick access to the silo roofs. The two filling pipes DN 250 are connected to the stair tower's vertical main beams. Total length from pier to silo top: 380 m



Front view of the Haver & Boecker ►
packing machine with platform for empty bags.

◀ The cement will be packed with a Haver & Boecker
4-spout-in-line-packing-machine, capacity 1200 bags/50 kg/h.



▲ Feeding of the packing machine by frequency controlled air slide systems.



▲ Two silos equipped with jet loaders for bulk truck loading. All silos with safety equipments like overfill protections,
level indicators, overpressure/vacuum flaps, dust filters and overflow pipes from silo to silo.





▲ Two movable truck loaders for the bags guarantee a loading without waste of time.



▲ Thanking **Mr. Omer Abdul Rahman Bajersh**
the Managing Director of Mukalla Raysut Cement Co.
for his confidence in OSTRÄ GmbH

This was another turnkey project from **OSTRA**.



osträ
Stahl- und Anlagenbau GmbH

Main Office
Mornewegstraße 35
D-64293 Darmstadt · Germany
Tel.: +49 (0) 61 51 / 42 83 9-0
Fax: +49 (0) 61 51 / 42 83 9-29
info@osträ-silos.de · www.osträ-silos.de

Export Division
Brackenheimer Straße 31
D-74363 Güglingen/Frauenzimmern · Germany
Tel.: +49 (0) 71 35 / 93 39-15/-16
Fax: +49 (0) 71 35 / 93 39-11
osträ.nl.sued@t-online.de · www.osträ-silos.de