

NEW UNIT 6  
ATBARA - SUDAN



BUILT IN 2004 FOR



ATBARA Cement Co. Ltd.



Burmeister & Wain Scandinavian Contractor A/S

## New Unit 6.

In the late 70-ties, Atbara Cement Co. Ltd. (ACC) decided to invest in a power plant in order to secure dependable power supply for the cement production. BWSC supplied the power plant, consisting of 4 diesel engines with auxiliaries and since then BWSC has assisted ACC with technical services and spare parts for the plant.

To enhance the power plant at the cement factory, ACC decided to install a new unit with higher electrical capacity and better fuel economy. The new installation also included mechanical and electrical auxiliary equipment. By installing the new unit, the capacity of the ACC power plant has been increased by 20%, thus still ensuring dependable power supply for the cement production.

The new unit is placed in the existing building, and existing facilities have been reused to the biggest extent possible. Local transport as well as civil and installation works have been carried out by ACC in cooperation with BWSC supervisors.



### Summary

#### Contract

Type ..... Semi-Turnkey  
Contract award ..... May-2003  
Handing over ..... November-2004

### Technical Data

#### Diesel Engine

Make ..... MAN B&W Diesel, Denmark  
Type ..... 1 x 16V28/32S, 4-stroke  
Speed ..... 750 rpm  
Fuel ..... DO

#### Alternator

Make ..... A Van Kaick, Germany  
Type ..... DIG  
Rating ..... 4,538 kVA  
Voltage/Frequency ..... 11 kV/50 Hz  
Output at 100% load ..... 3,630 kW at p.f. 0.8

#### Radiator Cooler

Make ..... GEA, France  
Type ..... Induced draught  
Rated capacity HT+LT .. 1x1,969 kW + 1x800 kW



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