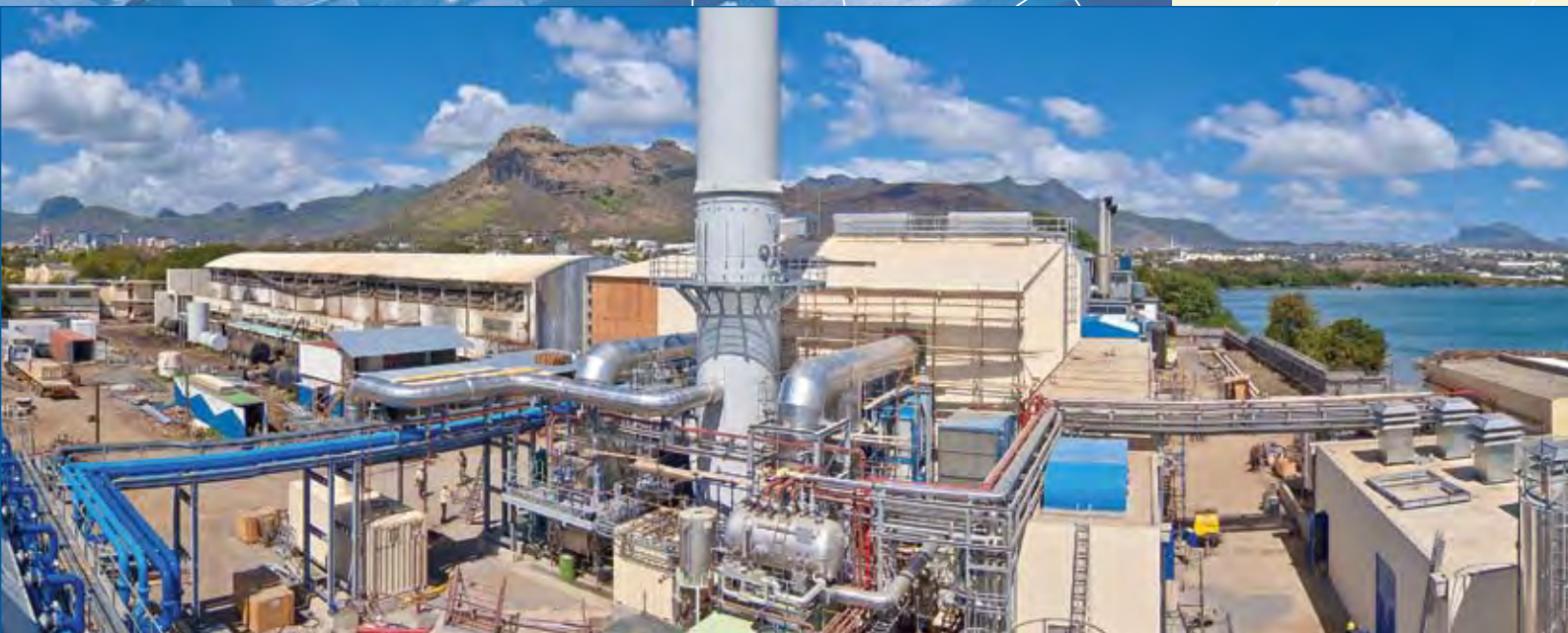


Redevelopment Phase I, 2 x 15 MW

# FORT VICTORIA POWER STATION MAURITIUS

**BWSC**

*- YOUR BEST PARTNER FOR GROWTH*



**BUILT IN 2010 FOR**



**Central Electricity Board**

**BY**



**Burmeister & Wain Scandinavian Contractor A/S**

# Central Electricity Board, Mauritius

## Fort Victoria Power Station Redevelopment Phase I

The overall Generation Plan for increasing the power generating capacity in Mauritius emphasised the redevelopment of Fort Victoria Power Station as being of major infrastructure importance. Central Electricity Board (CEB) decided to replace an existing power hall at Fort Victoria Power Station with a modern state-of-the-art medium speed power station.

In April 2009, Burmeister & Wain Scandinavian Contractor A/S (BWSC) was awarded the project on a complete turnkey delivery basis. The project covers a generation capacity of 2 x 15 MW based on Wärtsilä type 16V46 diesel engines and auxiliaries.

The location of the power station close to residential areas constitutes a significant challenge to noise requirements. Low noise has been achieved by special care and effort as well as the use of the best available technology.

The local environment has also been taken into consideration as the power station is equipped with modern features optimised for low emissions, waste incineration and a 65 m high stack.



### Summary

#### Contract

Type..... Turnkey  
Contract award ..... April, 2009  
Plant net output ..... 30 MW

#### Technical Data

##### Diesel Engines

Make..... Wärtsilä, Finland  
Type..... 2 x 16V46, 4-stroke  
Speed ..... 500 rpm

##### Alternator

Make..... ABB, Finland  
Type..... AMG 1600SS12LSE  
Rating..... 17986 kVA  
Voltage/frequency..... 11 kV/50 Hz  
Output at 100% load ..... 15.1 MW

##### Radiator Coolers

Make..... GEA Ergé-Spirale, France  
Type..... Induced draft

##### Power House

Make..... BWSC/Rambøll A/S, Denmark  
Size (W x L x H)..... 31 x 25 x 13.7 m  
Overhead crane ..... 1 x 25/5 ton

##### Stack

Make..... Steelcon A/S, Denmark  
Height..... 65 m  
Diameter ..... 3.5 m  
Ducts..... 2 x 1.5 m + 1 x 0.5 m

##### Civil Work

Subcontractor ..... PAD & CO Ltd., Mauritius



**Burmeister & Wain Scandinavian Contractor A/S**  
Gydevang 35, P.O. Box 235, DK-3450 Allerød, Denmark  
Phone +45 48 14 00 22, Fax: +45 48 14 01 50  
bwsc@bwsc.dk, www.bwsc.dk