



## **MAN Diesel & Turbo helps to stabilize Taiwanese Island grid**

Augsburg, 07/27/2017

### **Two engines add 24.5 MW to Kinmen Island's power generation**

The Chinese EPC (Engineering, Procurement, Construction) company *Chung Hsin Electric & Machinery Mfg Corp. Corporation* (CHEM) has ordered two MAN 51/60 gensets with Selective Catalytic Reduction (SCR) and auxiliary equipment to add extra capacity to a power plant in Taiwan, Republic of China. The *Ta-Shan Power Plant* is located on the western side of Kinmen Island and provides baseload to the island's grid. Operated by the *Taiwan Power Company* (TPC), the engines will add 24.5 MW to the plant's current capacity of 64 MW. MAN Diesel & Turbo is also responsible for engineering and commissioning of the engines, which are scheduled for delivery in 2018.

**MAN Diesel & Turbo SE**  
Stadtbachstraße 1  
86153 Augsburg, Germany

**Head of External Communication**  
Jan Hoppe

Tel. +49 (0) 821 – 322 3126  
jan.hoppe@man.eu  
www.mandieselturbo.com

“A study by TPC shows, that the island's peak load may exceed the current reliable power supply by 2019”, explains Wilson Phua, Regional Sales Manager Power Plant for the Asia-Pacific region at MAN Diesel & Turbo Singapore. “This project will close that gap and thus secure a reliable power supply for Kinmen, in line with the Government's policy of caring for the residents and promoting the economic prosperity of the outlying islands.”

To meet the island's stringent emission regulations, TPC will operate the engines on Ultra Low Sulphur Fuel with low ash content, limiting Sulphur Oxide and particulate matters emissions to an absolute minimum. Additionally two SCR units will be installed to provide after-treatment for the engines' exhaust gases and reduce Nitrogen Oxide emissions. TPC already operates a total of 78 MAN engines in several power plants, e.g. the 15 MW ZuShan plant, erected in Matsu Island in 2007.

Kinmen Island is approximately 300 km across the Taiwan Strait from Kaohsiung Port on the main island of Taiwan, Republic of China. Shou-Yung Chao, CHEM's Power Project Division Director, comments on the challenging timeline for this project: “The strong winds in the Taiwan Straits limit the window for the delivery of heavy equipment to a three months period between June and August, which obviously must not be missed. Also the unloading of the equipment has to happen via beach landing, which is hard to schedule as it largely depends on the weather conditions. But since MAN is an experienced company in the field of island power plants as is CHEM in the field of EPC, we are used to deal with challenges like this.”



*Current configuration of the Ta-Shan Power Plant, Kinmen Island, Taiwan, Republic of China*



*Rendering of Ta-Shan Power Plant, Kinmen Island, Taiwan, Republic of China, after the expansion*

**About MAN Diesel & Turbo**

MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world's leading provider of large-bore diesel and gas engines and turbomachinery. The company employs around 14,500 staff at more than 100 international sites, primarily in Germany, Denmark, France, Switzerland, the Czech Republic, India and China. The company's product portfolio includes two-stroke and four-stroke engines for marine and stationary applications, turbochargers and propellers as well as gas and steam turbines, compressors and chemical reactors. The range of services and supplies is rounded off by complete solutions like ship propulsion systems, engine-based power plants and turbomachinery trains for the oil & gas as well as the process industries. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand.