

ABB delivers 98m E-House project

Zurich, Switzerland, January 17, 2017 – ABB has shipped the first batch of nine electrical houses (E-Houses) to enable reliable power supply to offshore oil field in the UAE

ABB is providing a 4,000 sqm or 98 meters of E-Houses, for the Satah al-Razboot (SARB) offshore oil field, in the United Arab Emirates (UAE) to ensure reliable power to the remote location. The \$80 million order – ABB's largest E-House project to date - was awarded by Hyundai Engineering & Construction, in South Korea, a major engineering, procurement, construction and commissioning (EPC) contractor for the project and was booked in 2014.

Power will be supplied to the facility, 200 kilometers northwest of Abu Dhabi, by five gas turbine generators connected to the ABB modularized E-Houses. A modular E-House is a prefabricated, walk-in outdoor enclosure comprising low- and medium-voltage switchgear, as well as auxiliary equipment. This solution – effectively a substation – reduces on-site installation and maintenance work, a particular benefit in remote areas.

“The transportability of ABB's modular E-Houses makes them easy and cost-effective to install and relocate,” said Tarak Mehta, President of Electrification Products division. “Our innovative solution will help strengthen the reliability of power supplies to this facility. The creation of the new Electrification Products division allows us to better meet our customer's demands with combined low and medium-voltage solutions. This is a great example how we add value to our customers. We can offer a range of packaged solutions to drive our customers' productivity.”

The nine modularized E-Houses provide total space of 4000 sqm for electrical equipment with the main substation being 98m long and only split into two units for shipment. The modular E-House units are equipped with low- and medium-voltage switchgear, as well as motor control centers, variable-frequency drives and an Electrical Control Monitoring System (ECMS).

The SARB offshore oil field is being developed by Abu Dhabi Marine Operating Company (ADMA-OPCO), a major producer of oil and gas from the emirate's offshore areas. Work on the field involves the construction of two artificial islands to facilitate drilling works for the extraction of crude oil.

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