

# Gas turbine for Pengerang power plant arrives

*A total of 4 turbines will be installed at the plant*

by YASMIN RAMLAN

THE first gas turbine for the Pengerang Cogeneration Power Plant project arrived yesterday at the Tanjung Setapa Material Off-loading Facility located within the Refinery and Petrochemical Integrated Development project site in Pengerang, Johor.

A total of four SGT5-8000H gas turbines will be installed at the Pengerang Cogeneration Power Plant as part of a turnkey construction order awarded two years ago to the consortium group comprising Siemens AG, Siemens Malaysia Sdn Bhd and MMC Engineering Services Sdn Bhd.

The turbine, which is as heavy as a fully-fuelled A380 Airbus, began its four-week trip from Hamburg, Germany, on board the vessel "MV Annette", arriving in Malaysia on June 6, 2016.

Siemens Malaysia president and CEO Prakash Chandran said the on-time arrival of the first Siemens SGT5-8000H gas turbine marks a

significant milestone in the engineering, procurement and construction of the Pengerang plant.

"It signifies our commitment to bring this power plant online, on time, to supply reliable power with proven power plant technology to our customer, Petrolia Nasional Bhd (Petronas), and to the Pengerang Integrated Complex (PIC)," he said yesterday in a statement.

The gas turbines will be installed in several phases and the first unit is expected to go online into commercial operation by the middle of 2017.

He said, upon completion, the Petronas Pengerang Cogeneration Plant will have a total installed capacity of approximately 1,220MW — making it one of the largest and most efficient gas-fired power plants in the country.

The plant will be one of six associated facilities that will be developed within the PIC, in addition to the regassification terminal;

air separation unit; raw water supply project; the Pengerang Deep-water Terminal 2 and the centralised and shared utilities and facilities.

Prakash said each gas turbine unit comes with a waste-heat recovery steam generator, associated mechanical and electrical system and an instrumentation and control system.

"As of April this year, there are 22 units in commercial operation worldwide, having already locked in more than 200,000 fired hours, demonstrating proven innovative technology with verified reliability and availability.

Distinguished guests present to officiate the arrival were Petronas Refinery and Petrochemical Corp Sdn Bhd senior VP and CEO Ir Dr Colin Wong Hee Huing and MMC Corp Bhd director, engineering and construction Ir Chee Weng Loon.



The turbine, which is as heavy as a fully-fuelled A380 Airbus, arrived in Malaysia on the vessel 'MV Annette' on June 6, 2016, and is expected to go online into commercial operation by the middle of 2017.