

# Gorgon Project, Western Australia

<b>CUSTOMER:</b>	Chevron
<b>LOCATION:</b>	Barrow Island, Western Australia
<b>DESCRIPTION:</b>	Penske Power Systems is customising, testing and delivering four diesel-powered generator sets designed specifically for the oil and gas market. Earlier in 2010, we supplied 12 MTU 20V 4000 engines for the temporary power station onsite
<b>OPERATIONAL DATE:</b>	2010



The Gorgon Project, located on Barrow Island, approximately 56km off the north-west coast of WA, is one of the world's largest natural gas projects and the single biggest resource project in Australia's history. Penske Power Systems was awarded the contract to supply Chevron with four generator sets to act as critical back up for their main power station, as well as the supply of 12 MTU engines for the temporary power station.

## CONFIGURATION

Penske Power Systems is supplying Chevron with standby power for the multi-billion dollar Gorgon gas project, as well as MTU engines for the site's temporary power station.

The solution includes four generator sets powered by MTU Onsite Energy 20V 4000 diesel engines. Each generator set is housed in a fire-rated enclosure and comprises an MTU 20V 4000 P63 engine coupled to an alternator, complete with cooling system. An engine management system completes the generator set and provides comprehensive monitoring of the engine's temperature, pressure and speed.

The gen sets are automatically controlled to switch on immediately, should the main power station experience a failure.

Penske Power Systems also supplied 12 MTU 20V 4000 diesel engines earlier in 2010, for Gorgon's temporary power station.

With Penske Power Systems' technicians stationed on site and in nearby Karratha – Gorgon will never be without electricity or support.

## FEATURES

Penske Power Systems' engines offer reliability, low fuel consumption, low emissions, long service life intervals and integrated accessories.

With optimum operating characteristics including low vibration properties, automatic engine protection, outstanding load response and high stability of speed and frequency – MTU engines can withstand the harshest of environments.

## MODEL SPECIFICATIONS

4 x 20V 4000 diesel power systems for standby power to Gorgon LNG project

12 x MTU 20V 4000 engines for Gorgon's temporary power station

## ABOUT THE GORGON PROJECT

The Gorgon Project is operated as an Australian subsidiary of Chevron and is a joint venture of the Australian subsidiaries of Chevron (approximately 47 percent), ExxonMobil (25 percent) and Shell (25 percent), Osaka Gas (1.25 percent), Tokyo Gas (one percent) and Chubu Electric Power (0.417 percent).

For more information contact our Power Generation team on 1300 688 338.