

Petróleos Mexicanos (PEMEX) Campeche, Mexico

In the oil-rich Gulf of Mexico's Campeche Bay, 46 Capstone microturbines provide prime power on 27 offshore oil rig platforms operated by Petróleos Mexicanos (PEMEX), the fourth largest crude oil producer in the world.

Since 2002, PEMEX has expanded its fleet of Capstone microturbines specially designed for Class 1, Division 2 hazardous locations. Today, the environmentally-focused company continues to rely on Capstone microturbines because they meet strict emissions requirements, uphold high reliability in dangerous environments, and support high-production levels, which peaked at an average of 2.5 million barrels per day in 2010.

The Campeche Bay microturbines, which operate on sour gas and wellhead gas that flows through the 27 offshore platforms, replaced high-maintenance diesel generators incapable of surviving the harsh oceanic, corrosive environment. The Capstone microturbines, which range from C30s to C65s (providing 30kW and 65kW of power), run safely in hazardous locations, take up minimal space, and require very limited maintenance. The microturbines installed on such PEMEX platforms as Production Assets Cantarell, Ku-Maloob-Zaap, and Poza Rica-Altamira in the Gulf of Mexico, provide continuous, reliable, clean power for each platform's SCADA (Supervisory Control and Data Acquisition), fire and gas, emergency shutdown, communication, lighting, and auxiliary systems.

In 2011, Industrias Energeticas SA de CV, Capstone's distributor in Ciudad Del Carmen, Campeche, Mexico, secured an \$8.6 million order with PEMEX that ensures blanket service support coverage for the 46-unit PEMEX microturbine fleet in Campeche Bay. ■



Forty six Capstone microturbines provide prime power to 27 offshore oil rigs in the Gulf of Mexico.