



458 MWe Mobile Power Units National Oil Company

OWNER
Petróleos de Venezuela, S.A.

LOCATION
Venezuela, South America

PRODUCT
Titan 130 Mobile Power Units

CUSTOMER VALUE
15 MW Blocks of Stable and Reliable Power

In 2010, a severe drought in Venezuela threatened to severely curtail the production of hydroelectric power, which normally provides 65% of the country's electricity. The need for replacement power was intimidating: nearly a gigawatt of continuous duty power, preferably in distributable 45 MW blocks. PDVSA, Venezuela's national oil company, turned to Solar Turbines and their 15 MW gas turbine Titan™ 130 Mobile Power Unit (MPU). Solar was able to ship the units in the required time and satisfy the customer's needs for having emergency power placed and available should they need it.

Solar® Turbines
A Caterpillar Company

458 MWe of Mobile Power



PLANT DATA

30 Gas Turbine Generator Sets in Mobile Configuration

Fuel: Natural Gas and Diesel Fuel

Varied Locations Throughout Venezuela



OUR PRODUCTS AND SERVICES

30 - 15 MWe Titan 130 Mobile Power Units

Three Trailers per Titan 130 Mobile Power Unit

On-Site Setup Time of a Few Days

HIGHWAY TRANSPORTABLE

EASY TO INSTALL AND RELOCATE

NO CONCRETE FOUNDATION REQUIRED

COMPACT FOOTPRINT

PLUG-AND-PLAY PRE-PACKAGED DESIGN

SHORT ORDER, CONSTRUCTION, AND COMMISSIONING LEAD TIME

The Solar Turbines Mobile Power Unit is a complete power plant solution that offers a suite of modular options that include natural gas, liquid, and dual fuel designs. In addition, switchgear and the motor control center are standard equipment, making the installation a simple matter of locating the equipment and connecting it together. The MPU's trailerized modules arrive on site ready to be piped, wired, and commissioned in a time span much shorter than the typical custom power plant design cycle. The compact footprint allows for installation in tight areas such as utility substations or industrial backlots. Designed as a complete power plant, the Titan 130 MPUs are highway transportable, provide easy access for customer connections, require no concrete foundation, have a compact footprint, and offer low emissions options.

Solar Turbines Incorporated

Tel: +1 619-544-5352

Mail: infocorp@soltarturbines.com, Web: www.soltarturbines.com

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DSMPU-PDVSA/0615/EO

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