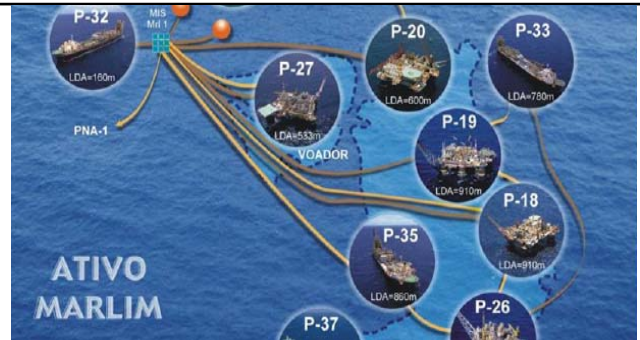


Petrobras Excels in Quality Standards with Metering Management Service Revamping

RESULTS

- 99.49% Asset and Equipment Availability
- 99.68% Metering Station Availability
- 99.98% On-Time Calibrations



APPLICATION

METCO™ Total Metering Management Services

CUSTOMER

Petrobras is Brazil's largest state-run company and accounts for 90% of the oil and gas production in the country, making the company an undisputed leader in the industry. Marlim is the third largest oil production field and the seventh largest natural gas field in Brazil. It is located in the Northeastern part of Campos Basin, in water depths ranging from 650m to 1,050m. It has 102 production wells and 50 injection wells. The field produces 235 Mboe and 2.8MMm³ of natural gas per day.

CHALLENGE

Petrobras must follow strict regulations and wants to ensure it remains a leader in quality and performance in the industry. Since early 2000, oil and gas operations in Brazil must comply with the Technical Regulation for Oil and Natural Gas Measurements defined by the Nation Petroleum Agency (ANP) and the National Institute of Metrology, Standardization and Industrial Quality (INMETRO).

Petrobras decided to hire experienced metrology companies to ensure the adequacy of its measurement systems and to implement the management of these systems in accordance with the ISO 10.012 standard.

“The trend of the indicators has been stable over the years, showing that we’re operating very close to our goal of a 100% performance across all indicators. For some indicators, our goals are fully met.”

Ramsés Serrano
Petrobras Contract Coordinator
UO-BC/OPM/EEO_CEE

SOLUTION

Petrobras selected METCO, part of the Emerson group, to perform the measurement system revamp and to provide Total Metering Management services based on ISO 10.012 requirements for the Marlim field. The implementation started in 2004. Management of operational performance has the overall objective of performing maintenance activities with pre-established schedules, increasing reliability of all metering instruments/equipment, maximizing their operational availability and identifying the critical parts so in case of failure, the repair can be made promptly.

Management of metrological performance includes the control of metering systems based on operation setup and analysis tools that track calibrations, metrological checking, monitoring behavior of variables and/or equipment in order to allow the implementation of a preventive intervention plan (calibration, checking, maintenance) in the system components, ensuring that fluid measurement is within acceptable levels of reliability and accuracy.



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