DESIGN & HVAC EQUIPMENT
P-56 SEMI SUBMERSIBLE PRODUCTION PLATFORM

OUR CLIENT  FELS Setal-Technip
OPERATORS  Petrobras

DESCRIPTION OF THE PROJECT
P-56 is a Semi-submersible platform installed in deep water in the heavy Oil Marlim Sul field in the Campos basin off Brazil.

The rig was built in Rio de Janeiro state by the FELS Setal-Technip consortium and is identical to the P-51 platform.

CHALLENGES
The main challenge was the fact that this was the first semi-submersible platform built completely in Brazil and both customer and shipyard were new to us.

Novenco also had to work with two separate engineering teams for the Accommodation and Deckbox area. Meeting the demands in the latest Petrobras specifications was challenging because Petrobras required extensive documentation and has a complex approval process. Last but not least the stringent sound requirements were challenging to meet in critical areas.

As with P51, Novenco was awarded 2 separate purchase orders for the Accommodation and Deckbox.

SCOPE OF WORK
Novenco’s scope of work was procurement, production, testing and delivery of all HVAC equipment detailed overleaf, as well as commissioning assistance after installation.

Documentation had to be identical to P51, with over 280 official project documents which had to be converted in order to comply with the new project requirements.

ADVANTAGES
Until now, Novenco has delivered HVAC equipment to more than 12 different Petrobras platforms spanning a period of over 15
years. During this period, Novenco has adapted and developed equipment according to Petrobras requirements. It is Novenco’s vast experience with supply to Petrobras and other demanding clients that enables us to offer our customer the most reliable and optimal HVAC solution for their projects.

Novenco is one of the very few remaining suppliers of HVAC equipment producing the main components such as Air Handling Units and fans themselves, ensuring total control over the production process.

**SCOPE OF SUPPLY:**

**ACCOMMODATION AREA**
- 14 Floor Fan Coil units
- 104 Ceiling Fan Coil units
- 25 Centrifugal & Axial Fans
- 20 Inlet Air Filter Boxes
- 1 Self Contained cooling unit
- 40 inlet and outlet Louvers
- 25 Pneumatic Fire Dampers
- 18 Tightness Dampers
- 10 Pneumatic Dampers Panels
- 42 Non Return Dampers
- 1 Modulating Damper
- 39 Regulating Dampers
- 2 Electrical Air Heaters
- 175 Grilles
- 257 Diffusers
- 117 Control Valves
- 121 Shut off & Regulating Valves

**DECK BOX AREA**
- 29 Inlet Air Filter Boxes
- 3 Chilled Water Units
- 3 Chilled Water Pumps
- 20 Horizontal Modular Floor Fan Coil units
- 5 Horizontal Ceiling Fan Coil units
- 66 Centrifugal & Axial Fans
- 8 Sound Attenuators
- 94 Pneumatic Fire Dampers
- 25 Tightness Dampers
- 99 Non Return Dampers
- 57 Regulating Dampers
- 2 Modulating Dampers
- 22 Pneumatic Dampers Panels
- 289 Grilles
- 19 Regulating Water Valves