



Seaboard / Estrella del Mar III

Floating Combined Cycle Power Plant

Project Description

- Floating combined cycle power plant
- 145 MW of flood protected electric power



The design of the power plant on a floating barge, allows the city of Santo Domingo to economise on space while optimising energy supply

Role & Scope

Broad commissioning experience and system know-how allowed the INP team to quickly adapt to new challenges and taking over additional roles on site.

- Commissioning of electrical protection systems, Siemens Siprotec-5
- Commissioning of electrical balance of plant (eBoP)
- Commissioning of VSD Siemens SINAMICS S120
- Commissioning LV and MV distribution
- Commissioning of HIGS
- Commissioning of excitation system, ABB UNITROL 1020
- Support of electrical generator protection commissioning

Technical Component Details

- 2x SGT-800 gas turbine
- 1x SST-600 steam turbine
- Siemens Siprotec-5 protection system
- Highly integrated generator switchgear (HIGS)
- Brushless excitation system UNITROL1020
- Power transformers
- Electrical switchgear

REFERENCE



Customer: **Siemens Energy**



Location: **Santo Domingo, Dominican Republic**



Project Duration: **5 months**



Services: **Commissioning**

"We were very pleased with the INP experts supporting the commissioning of the electrical power systems. The transparent communication and the adequate competences enabled a smooth implementation of the project."

JOSÉ, SITE MANAGER
SIEMENS ENERGY