



Gonzales Ortega Power Plant

Electrical Commissioning

Project Description

- Commissioning of the combined cycle power plant
- Electrical commissioning of generators and associated protection and synchronisation systems
- Grid synchronisation and performance testing



The Gonzales Ortega power plant was built to meet rising energy needs with improved efficiency. To ensure reliable system performance INP Schweiz provided electrical commissioning services.

Role & Scope

- Electrical commissioning of generator systems
- Testing of generator protection and synchronisation systems
- Verification of field signals and trip logic
- Execution of protection relay and functional tests
- Support during grid synchronisation and operational testing
- Ensuring reliable and compliant system performance

General Project Contribution

- Supported successful commissioning and handover of the power plant
- Contributed to achieving project milestones within a tight schedule
- Ensured safe, reliable and efficient plant operation

Highlights & Benefits

INP Schweiz provided specialised electrical commissioning expertise and a structured, practical approach in a complex power plant environment. By combining system know-how with precise field execution, we ensured reliable performance and timely grid synchronisation. The customer appreciated our technical competence, efficiency and focus on quality and safety.

Technical Component Details

- Siemens Sgen6-1000A generators (2 × 300 MVA)
- 7UM62, 7VE61, and 7SJ62 protection and synchronisation relays
- Generator Circuit Breaker (GCB) and high-voltage switchyard interfaces
- Comprehensive protection, control, and logic verification

REFERENCE



Customer: **Siemens Energy**

Location: **Baja California, Mexico**

Project Duration: **1 Year**

Services: **Electrical commissioning, testing and validation of generator protection and synchronisation systems.**

"INP Schweiz delivered highly professional commissioning support, combining strong technical expertise with efficient teamwork. Their structured approach and reliability were key to completing the project on schedule and ensuring smooth system performance."

JUAN PINTO, GENERAL MANAGER
INP MEXICO