



Signature Project

Energy - Cogeneration

Battleground Cogeneration Expansion Project

Schedule:

Notice-to-Proceed:
08/2003

Commercial Operation:
06/2005

OCI Role:

Engineering, Procurement,
and Construction (EPC),
Construction Management,
and Startup

Technology:

- 1 x 0 Cogeneration
Configuration
- GE Frame 7EA
Combustion Turbine
- Total Output – 70 MW

Project Manager:

Steve Stark
913-458-2000
starkms@bv.com

For more information on how
OCI can provide effective
project execution and
innovative solutions to meet
your challenges, please
contact:

Stan Turner
678-806-1029
turners@bv.com

Chad Pulley
913-458-4527
pulleycr@bv.com

Battleground, Texas

Occidental Chemical Corporation

In the fall of 2003, Dallas-based Occidental Chemical Corporation (OxyChem), a leading North American manufacturer of basic chemicals, vinyls and performance chemicals, hired GELL and Overland Contracting Inc. (OCI) to build a new \$40 million, 70 MW natural gas-fired cogeneration plant inside its Battleground, Texas chemical plant.

“The OxyChem Battleground project was unique as the scope required the upgrading and relocating of a 25-year-old, GE Frame 7 Combustion Turbine Generator (CTG) from one existing plant to a location within a neighboring chemical plant,” remarked OCI project manager Steve Stark. “Working inside an operating chemical plant was challenging, as the teams had to work within a very small footprint.”

GELL was contracted to provide the upgrades, relocate, erect and commission the CTG, while OCI provided engineering, procurement and construction of the Balance of Plant (BOP) scope of work and management of the GELL contract. Key BOP equipment included an erection of a new Nooter/Ericksen HRSG, as well as installation of a 3,500-foot long interconnecting pipeline, which provides intermediate pressure (IP) steam to and condensate return from OxyChem’s LaPorte chemical plant.

Construction began during the second quarter of 2004 and was completed on time and under budget in June 2005. OCI was able to complete construction and startup of the project with zero OSHA recordable incidents and zero OSHA lost time accidents in more than 300,000 craft hours.

