

GAS TURBINE COMBINED CYCLE POWER PLANT

Client:

Tractabel Power

Project Location:

Windsor, Ontario,
Canada

Capacity:

110 MW

**Approximate
Installed Value:**
\$ Confidential



PCI was selected by a major international energy service company to provide comprehensive engineering, analysis, and related services regarding the implementation of a large combined cycle power plant, one of the first IPP projects in Canada.

The scope of work included:

- Site evaluation, identification and selection
- Prepared inputs for all environmental permits
- Prepared specifications for and selection of all major equipment
- Prepared general arrangement drawings, P&IDs and electrical single-lines for major systems
- Prepared conceptual design drawings and specifications for a district energy system, which supplies steam to two industrial steam customers
- Negotiated the steam sale contracts
- Detailed design of 115 kV electrical interconnect facilities including negotiations of electrical interconnect agreement, design of facility substation, and design of the relay and protection system
- Prepared detailed EPC contract specifications and selected EPC contractor
- Provided onsite construction management services, functioning as owner's engineer during the construction and commissioning phases
- Provided onsite warranty management services for a 12-month warranty period and managed all warranty claims
- Designed and managed spare parts inventory control program

