

Overview

For two decades, OC 4000 products have been the foundation for high quality power generation control solutions. Today, these solutions can be found in more than 2,000 installations, controlling everything from the complexity of an entire plant control system to the simplicity of a small generator unit. Providing customers with expanded options for control, you can depend on the OC 4000 to protect and optimize your power generation processes and assets.

- OC 4000 DCS Control System

Experience

- Over 700 distributed control system (DCS) installations
- More than 1000 turbine, pump, and bypass control installations
- More than 150 turbine emergency trip (ETS) and supervisory instrumentation (TSI) system installations
- In excess of 100 balance of plant control and supervisory information system installations
- Diverse experience in controlling power production and providing supervisory systems in other industries such as transportation, metallurgical, petrochemical, pulp & paper, and water treatment.

Expertise

The addition of OC 4000 controls to the GE portfolio has extended our capabilities in plant-wide distributed control systems as well as building on our existing domain knowledge and application experience in the fossil power generation industry. We are equipped to add value to your operations through the accumulated knowledge gained in thousands of projects.

Reliability

Through advanced redundancy and fault-tolerant designs, particular emphasis is placed on system building blocks that can be flexibly mixed and matched to offer the reliability and availability demanded by the application. The result of these design features is a control system with longer mean time between failure (MTBF), shorter mean time to repair (MTTR), and lower operating and maintenance costs.

Product

The OC 4000 platform for plant-wide distributed control delivers high performance and reliability. It balances the security that comes from individual purpose-built controls with the convenience and data sharing capabilities that can only exist in a common, integrated platform. This integrated platform is highly flexible, allowing it to address any or all of the following:

- Modulating Control
- Sequencing Control
- Boiler Combustion Control
- Feedwater Pump Control
- Furnace Safety Supervision
- Data Acquisition
- Electric System Control
- Balance of Plant Equipment Control
- Flue Gas Desulfurization Control
- Turbine Control
- Turbine Supervisory Instrumentation
- Combined Cycle Control
- Emergency Shutdown

People

Our team brings substantial domain knowledge of the processes that generate power and the expertise to control these processes. Our highly skilled service engineers are available to provide support, installation, and maintenance assistance in the field for our OC4000 Control products, augmenting the extensive GE network of service professionals in more than 100 countries.

- Life cycle assessments and equipment upgrades
- 24x7x365 emergency services
- Equipment condition assessments
- Site management and logistics
- Maintenance/service contracts