

Closed Loop Optimal Control (CLOC®) System

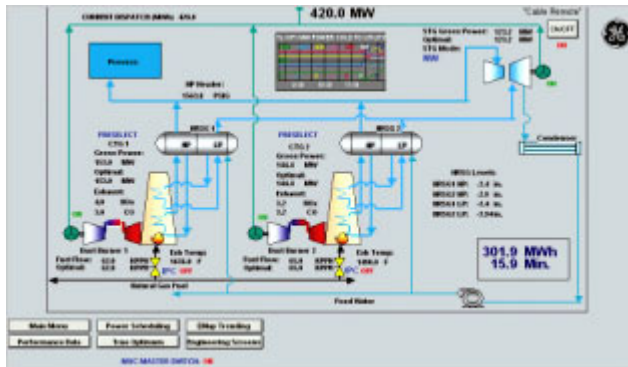


Supervisory Control and Optimization for Thermal Power Plants

"Close the loop" with CLOC, providing the full benefits of dynamic, closed-loop optimization to maximize plant profitability.

Product Overview

CLOC is an advanced supervisory control solution that provides the full benefits of dynamic, closed-loop optimization, automatically adapting to changing conditions and operating constraints. It is a step above basic regulatory control systems designed to keep a plant at estimated control setpoints. The more complex and dynamic the plant's operation, the more difficult optimization becomes. CLOC automatically determines optimal setpoints in these complex operations, and goes beyond simply delivering optimal setpoints to operators for manual implementation. It acts in a closed-loop mode with a regulatory control system while maintaining full functionality of the plant's safety system.



Benefits

- Saves fuel costs
- Enhances stability and safety by reducing process variations
- Ensures generating schedules are met and minimized
- Maintains control of power bought or sold and provides real-time

- generating costs and capability
- Reduces operator workload
- Prevents unwanted surprises – predicts effects of measured disturbances to the plant and takes corrective action before the plant is affected
- Empowers personnel with useful process and economic knowledge

Features

- Combined Cycle Power Plants
- Industrial Power Plants
- Cogeneration Plants
- District Heating Plants