Plant analysis

Plant-specific potential can be established by performing an on-site analysis or completing a comprehensive questionnaire. Siemens can then provide recommendations and potential benefits in a plant analysis report.

Potential benefits

- NOx reduction of 7-25%
- CO reduction
- Heat rate improvement of 0.3% and greater
- Increase revenue through improved combustion
- Actual improvements are plant configuration dependent.

System

It is implemented on an SPPA-T3000 technology server using state-of-the-art controls engineering tools and function block technology.
Signal interfaces
The combustion optimizer obtains the process values from the existing controls system and provides it with biasing or set point signals. The interface may be selected from a variety of standard interfaces, such as modBus ethernet, OPC, serial or hard-wired.

Available applications
- Coal-fired Rankine cycle units
- Tangential-fired
- Wall-fired
- Cyclone
- Stoker

Standard functions
- System diagnostics
- Alarming
- Reporting
- Historian
- Online user guide

Additional features
- NERC CIP compliant
- Security updates
- Anti-virus pattern updates

Support
- Hotline
- Remote access
- Service and maintenance program
- Updates

For more information, please contact your local Siemens sales representative.