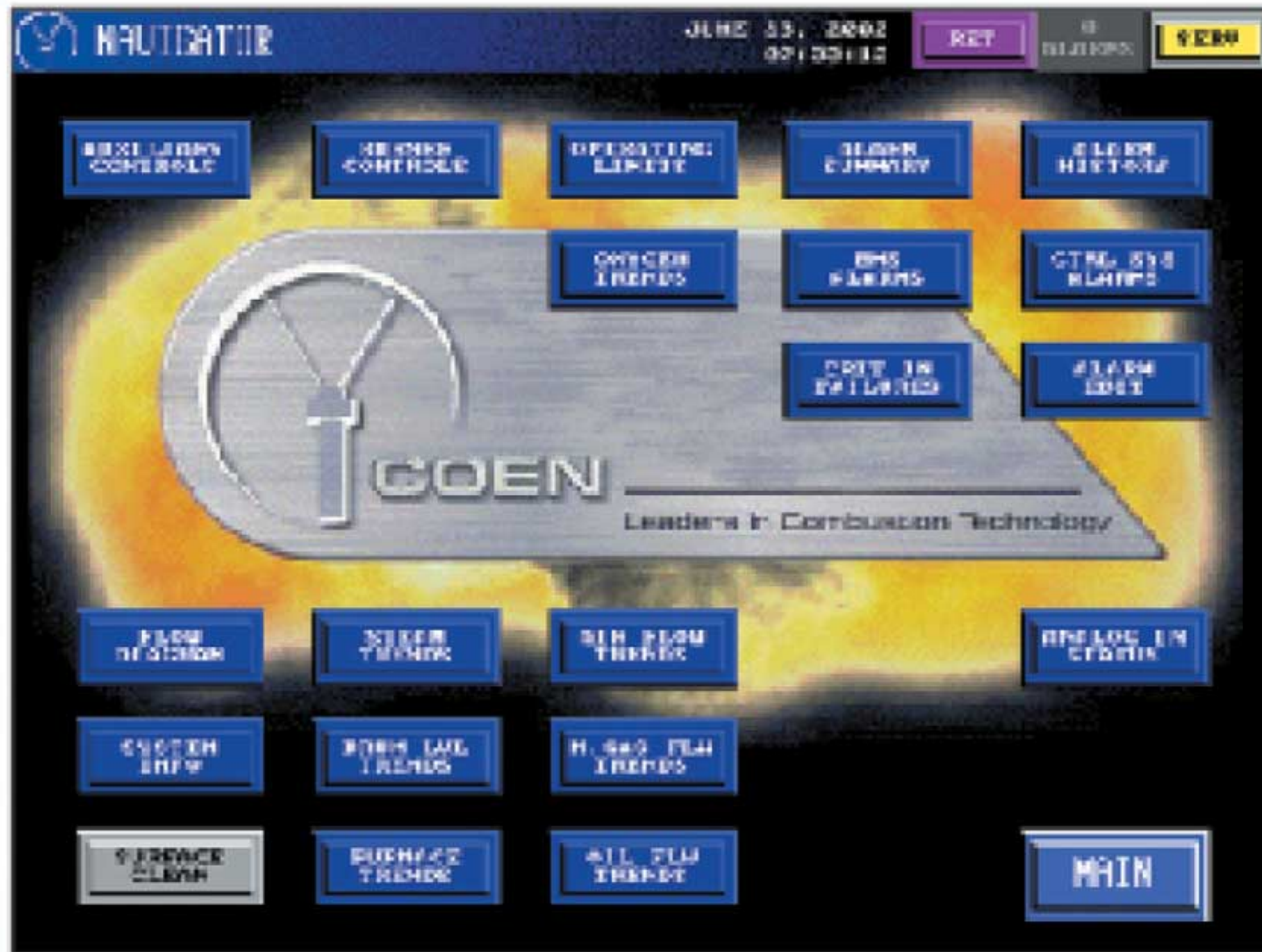


COEN



FYR MONITOR

CONTROL SYSTEM

FYR MONITOR

CONTROL SYSTEM



Navigator Screen



Steam Pressure Trend



Burner Controls



Parameter	Value	Status
High Limit	100.0	OK
Low Limit	50.0	OK
High Limit	150.0	OK
Low Limit	75.0	OK
High Limit	200.0	OK
Low Limit	100.0	OK
High Limit	250.0	OK
Low Limit	125.0	OK
High Limit	300.0	OK
Low Limit	150.0	OK

Operating Limits

All functions one would expect from a burner management system are available from the *Fyr-Monitor* touch screen panel.



System Flow Diagram



Main Controls

COEN'S *FYR-MONITOR* SEAMLESSLY integrates combustion control and burner management systems (BMS) into one convenient touch screen panel. Providing a complete burner control package with operator interface – the *Fyr-Monitor* simplifies troubleshooting and presents the essential data at your fingertips. It helps you quickly solve critical problems with individualized, clearly identified alarms giving you the flexibility you need. This cost-effective, pre-

designed system is customizable to your specific applications and needs.



WHY CUSTOMERS PREFER THE **FYR-MONITOR CONTROL SYSTEM**

- Integrates combustion control and BMS into a single package
- Low-cost, pre-engineered modular design
- Customizable to your needs
- Detailed alarm and diagnostics information
- With no moving parts, the highest level of reliability is produced for harsh environments
- Real-time trending of process measurements and setpoints
- Active and historical alarm management

RETROFIT CAPABILITY

The COEN *Fyr-Monitor* control system combines controls and BMS with your existing logic and safety devices, piping and external components. The *Fyr-Monitor* meets current NFPA, FM and GE GAP requirements for single burner operation.



CUSTOM SYSTEMS

The standard COEN *Fyr-Monitor*

is pre-engineered to offer a

cost-effective combustion

control and burner

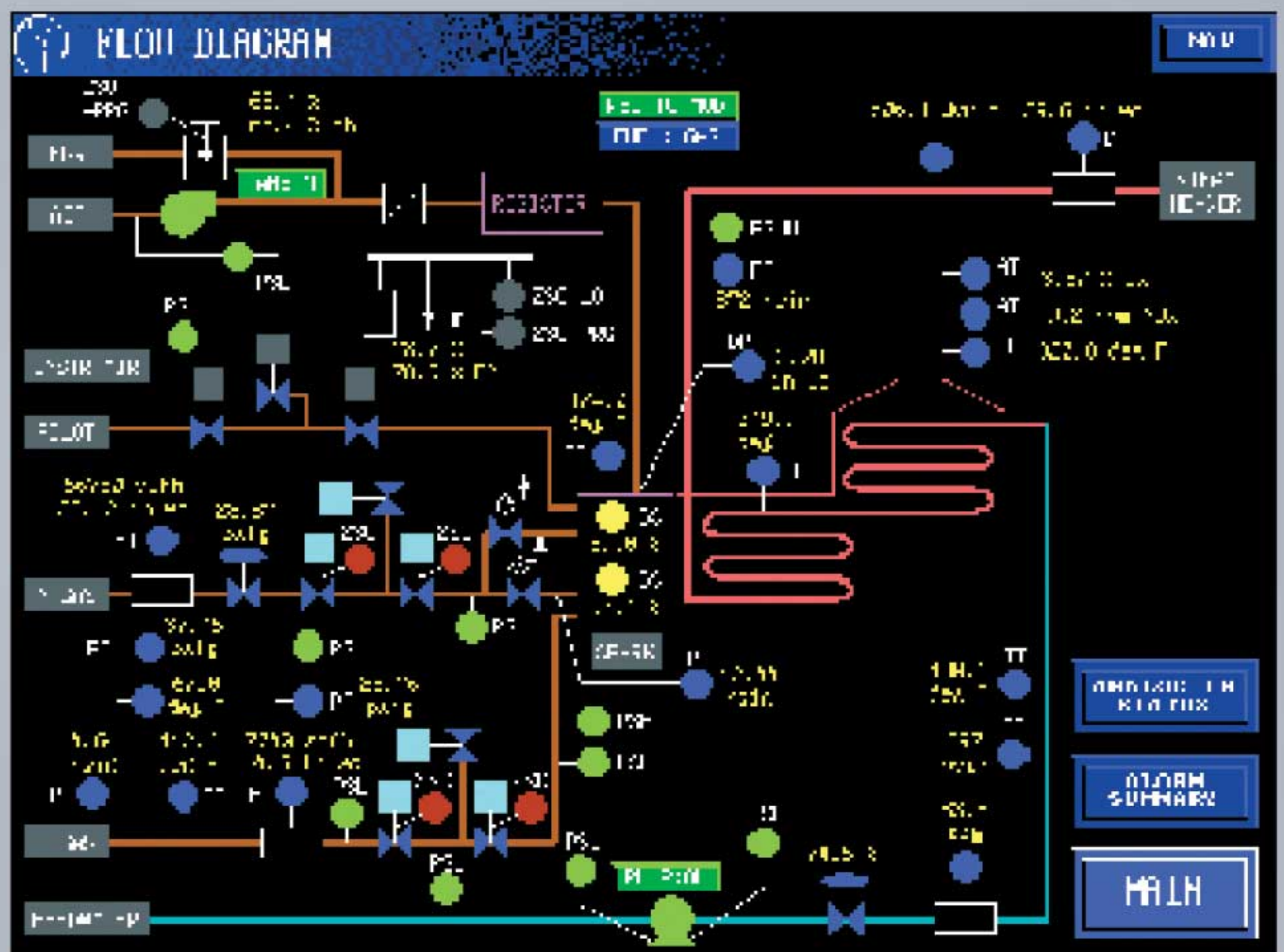
management system solution.

The *Fyr-Monitor* is fully

customizable with touch screen

graphics and documentation

tailored for specific applications.



CUSTOMIZABLE FEATURES:

- Design can be incorporated into your existing graphics display
- Custom programming to meet your unique requirements
- Up to three fuels including special needs for the addition of waste fuel firing
- Fuel changeover and/or simultaneous firing of fuels on metering systems
- Oxygen trim control
- Drum level/feedwater control
- Draft control
- Local/remote setpoint for master controller
- Plant Master
- Desuperheater steam temperature control
- SCR control
- Other control loops as requested

STANDARD OPTIONAL FEATURES:

- Available with or without BMS
- Combustion control for single point positioning, parallel positioning or full metering
- Modular programming and hardware layout for future controls expansion
- Password security for access to sensitive/critical settings
- Standard includes Allen Bradley™ DH+ connectivity for plant monitoring and control
- Optional Ethernet connectivity available for higher speed plant system access
- Additional Ethernet network interface displays can be included



1510 Tanforan Avenue • Woodland, CA 95776 • (530) 668-2100 • Fax: (530) 668-2171

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