

System Overview

VISIOCONTROL 4.0

Sensors and systems for combustion engineering



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VISIOCONTROL 4.0

Live Data Monitoring

LAMTEC VISIOCONTROL 4.0 enables remote data exchange for all equipment controlled by LAMTEC BMS to enhance service, support and optimisation for OEM burner manufacturers and plant operators.

VISIOCONTROL 4.0 offers the possibility for users to remotely monitor combustion equipment and coordinate resources.

CMS security - S4S in cooperation with the TÜV Nord

IT security is an important and contemporary topic. But remote access also involves risks. LAMTEC, in conjunction with TÜV Nord, has developed VISIOCONTROL 4.0 to the IEC62443 standard that specifies the process requirements for the secure development of products used in industrial automation and control systems.

The development of IoT and Industry 4.0 in which industrial processes and manufacturing, and digitally controlled equipment rely increasingly on data exchange, has increased the susceptibility to cyber attacks. LAMTEC has addressed this issue by adopting IEC62443 into the CMS and VISIOCONTROL 4.0 product development.

The keystone of VISIOCONTROL 4.0 is the NBM100 (Network Bus Module) which connects the LAMTEC Burner Management Controllers to the Internet.

Features:

- Administration of master files
 - Multi-client capability
 - Improving efficiency
 - Continuous data backup and live data transmission
 - Cross-locational data analysis
 - Event and alarm management
 - Multidimensional customer and location management
 - Visualisation of burners and applications, grouped by customer and/or region
 - Customer-specific visualisation easy to integrate
 - Data monitoring
 - Triggering of events and alarm messages and sending this
 - Filterable alarm histories
 - Status monitoring
 - Support during commissioning including online support and troubleshooting
 - Direct access to online updates or additional purchase of options
 - Preventive maintenance
 - Extendable functionality
- Tell us your ideas!



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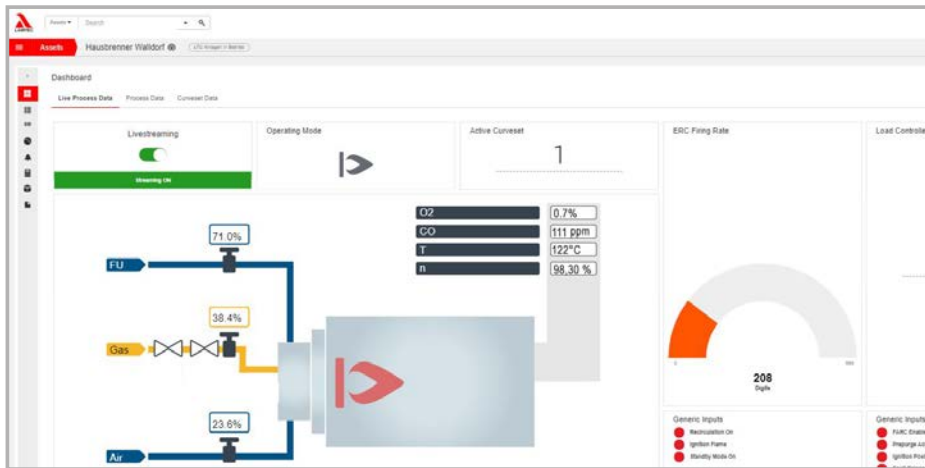
NBM100 (Network Bus Module)

The NBM100 collects data from burner control units and their peripherals. If required, non-failsafe signals such as regular firing rate input can be passed on to the burner control unit.

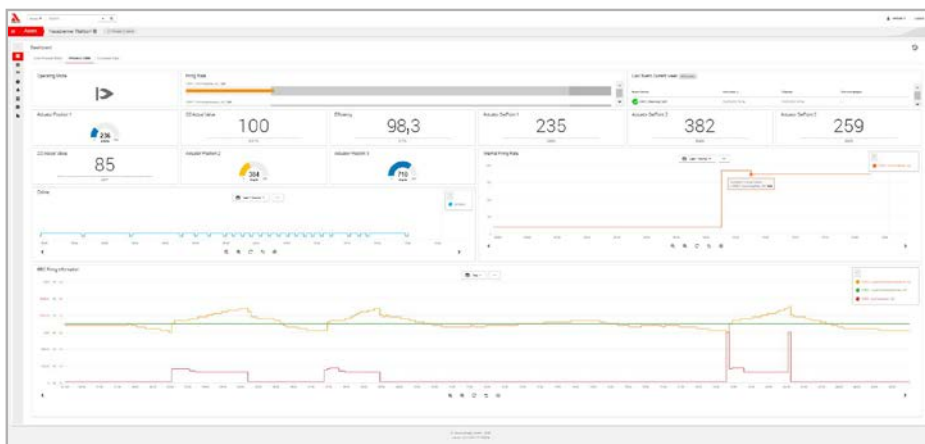
Burner data can be accessed transparently via the VISIOCONTROL 4.0 cloud application. The representation of the data can be customised and is configured using a series of widgets.

VISIOCONTROL 4.0

The NBM100 with its connection to the VISIOCONTROL 4.0 fulfills highest security standards.



VISIOCONTROL 4.0 / Dashboard / Live Process Data



VISIOCONTROL 4.0 / Dashboard / Process Data



VISIOCONTROL 4.0

Different components, suitable for your needs

The following options are available:

1. Gateway NBM100

Hardware

2. User licence

VISIOCONTROL 4.0 - User licence for 1 year

3. Individual set-up

Customised set-up of plant visualisation and reporting

4. Package of license and set-up

NBM100 Gateway and 2-Year Licence for VISIOCONTROL 4.0

This contains a plant image in GUI design and includes standard feature set as listed below:

- Display of the actuators, the compound curves, as well as the O₂/CO- and their learning curves
- Thus also of the load and the current values of O₂, CO_e, NO_x from the LAMTEC measuring systems
- Furthermore, the status of the digital inputs and outputs
- Faults are stored as events
- The same applies to plant start and plant stop

1 x mail notification to one person in the event of a fault

1 x SMS notification in the event of a fault on a connection

5. Modem without SIM card

LTE/3G modem for mobile network connection of the NBM100 - without SIM card.



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