INGESYS

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Automation systems
Combining a SCADA with a comprehensive security system
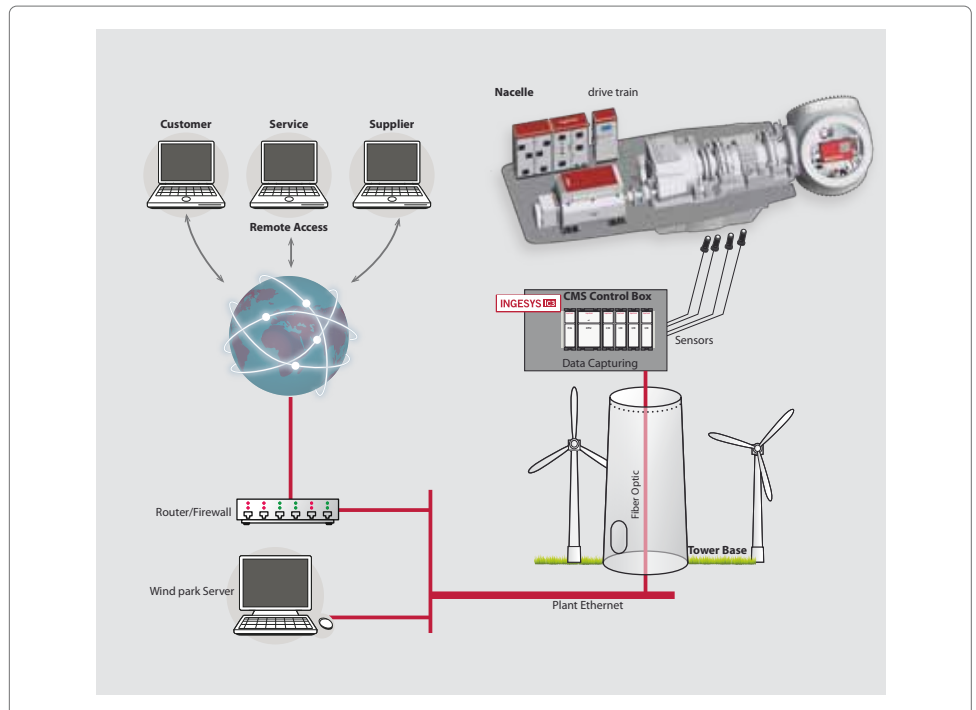with two-way, full-duplex IP audio and IP video

INGESYS® IT lets you integrate a distributed security system with all the functional features of a SCADA. INGESYS® IT offers connectivity with all types of security devices, allowing you to manage process data with IP audio and IP video in realtime as well as efficiently carry out administration tasks for all the diagnostics information throughout the installed network.

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Optimising resources

Integrating a security system in the plant's SCADA system offers attractive added value to all types of application sectors, from small local plants to isolated remote locations, plants with demanding security measures or on-board systems.

The benefits of this type of integration do not only include reduced costs in terms of deploying and exploiting the system, but also a significant improvement as regards management and decision-making, resulting in faster, more effective response times in the event of any type of event.

Fully- integrated security system in the SCADA

INGESYS® IT offers a monitoring system with realtime IP audio and IP video. It co-ordinates fully with the process's monitoring and supervision system and can be integrated with any type of security device: recorders, cameras, sensors, access management, intercoms, loud speakers, etc. to offer an efficient, low-cost, custom-made solution for each client.
INGESYS® IT also includes advanced functional features for auditing and registering historical data and alarms, directly contributing to optimising the security and integrity of the system installed.

Perfect coordination with INGESYS® IT's Alarm Management Module

The security system's perfect integration with the INGESYS® IT SCADA system makes it possible for a security event to be reported as quickly and efficiently as a process failure.

A detected event may be linked to an alarm and may cause actions such as sending an email or SMS, starting a video recording or setting off some kind of activity in an external device. Furthermore, associated alarms can be configured to require user acknowledgement or be consulted, together with all of their related information, from the process's alarms and events historical data.

Actions in response to an event can be automated or run under the user's supervision and according to the decision they make.

Integrating realtime, full-duplex IP audio and IP video

INGESYS® IT also lets you manage two-way, point-to-point and point-to-multipoint IP audio communications.

These communications can be perfectly co-ordinated with both realtime process management (graphs, alarm managements, data, trends viewers, etc.) and with realtime video display as well as interaction with other security devices installed.

Administrating integrated networks

INGESYS® IT lets you manage all of the system's physical devices and equipment within the supervision and control system: plant nodes, network printers and any device which has an SNMP agent.

The main objective is to facilitate and speed up the network administrator's task of supervising the performance of the network, find and resolve its problems and plan its growth.

INGESYS® IT also allows the user to access this diagnostics data as OPC items to be viewed and used from an operation panel, to form part of an alarm condition, or to be stored in a historical data register.

Advantages

· Comprehensive security and operating system with built-in, realtime two-way IP audio and IP video.
· Optimisation of resources and your investment.
· Reduction in costs in terms of system deployment, management and maintenance as well as its infrastructure.
· Capacity to adapt to each client's requirements.
· Total integration with the SCADA INGESYS® IT system: Security system integrates perfectly with process monitoring, operation and management as well as with the administration and diagnostics of the entire network installed.
· Connectivity to all types of security devices: recorders, cameras, sensors, access control, intercoms, loud speakers.
· Faster response times during any type of security event.
· System security and integrity optimisation.

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