

XCenter: centralized alarm management

Nowadays it is common to heard about tele-monitoring and remote control of the installations. Dixell itself has been present for years in this market with the XWEB series. Today a new borderline is set: the centralized alarm management for multiple remote locations. Dixell's solution is remarkable for its modularity and the capacity to be open to third party monitoring units. New scenarios, such as repairing cost tracking, statistics, geo-location positioning, etc..., can be addressed now.

The XCenter software is capable to receive the alarms from the monitoring units and share them among the several clients PC connected. The permanent Internet connection grants the possibility to manage a huge amount of alarms per time thank to the ORACLE® database, too. Data exchange between the server and the clients is possible over TCP/IP by means of SNMP protocol. The client installed on each PC grants to the service promptly all the information to have an overview of the installation: type of alarm, controller type, duration of the alarm and past 48 hours recorded data. Moreover it is possible to control the remote device, modifying the set-point or by sending a command. The alarm reporting is managed via e-mail or SMS, together with the possibility to keep track of the reports. The complete history of an alarm can be managed as well: an integrated software module creates a report with all the information regarding the actions and the suffered costs by the service.

The XCenter solution is naturally completed by the possibility to check the installations over a map together with the real-time status of the alarms and a "keep alive" test to very the hardware functionality of the monitoring units.

Data and statistics can be exported in different file formats and viewed as a graph.

According to Dixell, this is the real product plus: data is recorded, centralized and being accessible to each client. Moreover this is very useful to diagnose failures before they happen.

Finally the server part of the software can be updated via the Internet, the clients update themselves at the first attempt to connect to the sever.

New software modules are coming, to complete more and more the XCenter project.

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