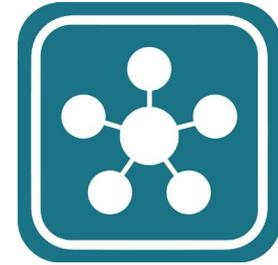


iVENCs
CORE +**SCADA**

OVERVIEW

The iVENCs SCADA subsystem provides monitoring, control and data acquisition functions for additional equipment. As with most SCADA systems, the emphasis is on status and fault reporting, with simple-to-use control functions.

The iVENCs system can be used as a top level SCADA integration platform when it is required to include status reports from a third party external SCADA or BMS Building Management System together with all of the iVENCs system's other status reports. The iVENCs SCADA is ideal for the provision of a Telecoms Monitoring System, or TMS.

INTERACTIVE SCHEMATICS

Interactive System schematics can be used in addition to showing the monitored and controlled equipment on the 3D GUI. This gives the best of both worlds, showing the equipment's actual location and geographical context, and enabling a system to be viewed, monitored and controlled as a single entity.

Typical schematics will be used to show IP network connectivity and the IP equipment status, to show systems such as pumps and ducts, or to illustrate the operation of smoke extract vents, pumps, and dampers.

The iVENCs SCADA system can be integrated with the monitored equipment via third party or ASL Remote Terminal RTU units, and using contact, serial, or IP interfaces, SNMP, ModBus, BACNET, or whatever other interfaces and protocols are available.

SUBSYSTEM INTEGRATION

Typical interfaced systems and functionality could be as follows :

- Lifts
 - To be able to report lift alarms
 - The lift position and direction of movement can be shown on the 3D Site GUI if available, e.g. to show if the lift is stopped at a floor or is stuck between floors
- Escalators and Travellators
 - to be able to report on escalator alarms
 - to enable individual escalators to be stopped
 - to indicate on the 3D Site GUI the escalator's direction of travel and running or stopped status

- Access Control System
 - To be able to report on the open/closed and locked/unlocked status of all access doors
 - To enable the SMS operators to unlock individual doors
 - To show the doors as open or closed on the 3D Site GUI
- Intruder Detection System
 - To be able to report on intruder detection events
- Lighting
 - To be able to report on the status of the lighting
 - To enable the SMS operators to control the lighting
- Drainage Pumps
 - To be able to report on the status of the drainage pumps
 - To enable the SMS operators to enable the drainage pumps
- Power Supplies
 - To be able to report on the status of the Main power supplies
- External SCADA System secondary reporting
- External BMS System secondary reporting

