

iVENCs
CORE +**SCADA**

overview

The iVENCs SCADA module provides monitoring, control and data acquisition functions for additional equipment, with status and fault reporting and simple to use control functions.

The iVENCs system can be used as a top level SCADA integration platform, with status reports from a third party external SCADA or Building Management System (BMS) and the option to combine them with status reports of other subsystems.

interactive schematics

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

Schematics can be used to show: an IP network's connectivity and the status of any associative equipment; display systems such as pumps and ducts; the operation of smoke extract vents, pumps, and dampers, and more.

subsystem integration

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

Typical examples of interfaced systems and functionality:

- 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
- Telecoms Monitoring System (TMS)
- External SCADA System secondary reporting
- External BMS System secondary reporting



This equipment is designed and manufactured to conform to the following EC standards:
 EMC: EN55103-1/E1, EN55103-2/E5, EN50121-4, ENV50204
 Safety: EN60065



Assessed to ISO 9001
 LPCB Cert No: C1043