

TYPOMETER

GRAPHICAL JOBSITE ANTI-COLLISION SUPERVISOR

SGC240

Solutions for construction sites and industry

Sites of great complexity and/or with high concentrations of cranes in reduced zones are becoming more and more frequent. There is a growing need for site managers to monitor crane activity and the operations of the anti-collision systems. SMIE presents the SGC240, anti-collision supervisor, a maintenance aid which contributes to reducing system downtime.



Intuitive graphical supervision in real time

The supervisor function allows the end-user to visualise the operations of anti-collision systems in real time to have a rapid and simple overview of the situation on the jobsite. The following information is displayed :

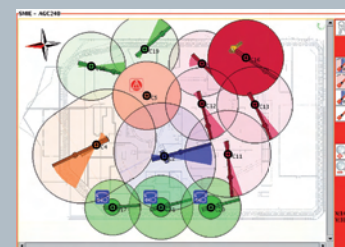
- Crane position (slewing, trolley, travelling positions)
- Sensor faults
- System overrides
- Cranes powered up/powered down
- Movement cuts

The graphical module incorporated into the SGC240 permits the end-user to follow the operations of the cranes by a representation of the jobsite in plan view.

The system instantly shows the movements of the cranes and the effects of the anti-collision system on jobsite operations.

The representation shows the:

- Distinction between high cranes and low cranes
- State of the crane – free-slewing
- State of anti-collision systems – override, movement cuts, internal system faults etc.
- Crane slowdown angle
- Trolley movements



Data recording

The SGC240 logs a certain number of events linked to the operation and the condition of the anti-collision systems.

- Time stamped logs, movements, defaults, crane power up / power down etc.
- Transfer of data in CSV format (EXCEL© compatible) by USB key or by connection to the network.

Connection to anti-collision network

The SGC240 connects to the SMIE inter-crane network in the same way as an anti-collision system, either by radio or cable.

As it only has a receptive function, it can in no way disturb the activity of the anti-collision systems nor does it replace a system in the inter-crane network.

It monitors up to 20 cranes in cabled connection and 9 cranes in wireless connection.

Remote access to information at all times

All the functions of the SGC240 are accessible:

- By direct connection to the SGC240 equipped with a monitor, a keyboard and a mouse (equipment not supplied).
- By connection to a PC equipped with a Ethernet (LAN 10/100) network card or through the local jobsite network.
- By internet, through a connection to the SGC240 by a digital modem or by an analogue modem on a dedicated line.