

Intelligent Motor Control Centres

Key features

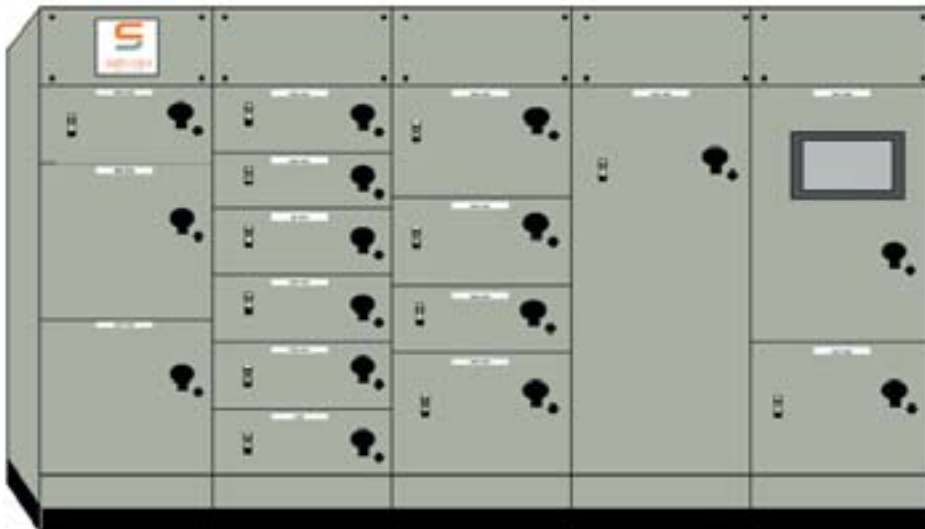
Safronics provide a range of intelligent motor control centres that are BS EN 60439-1 compliant and either fixed-pattern or withdrawable design. The “intelligent design” minimises component requirements due to the integration of various functions into single intelligent devices.

Typical characteristics of an intelligent motor control centre are:

- control is achieved via a microprocessor based system
- network technology is used to replace hardwiring
- enhanced diagnostic or protective functionality, allowing the user to:
 - monitor the status of all the motors
 - monitor key voltages and currents
 - ensure that the plant operates correctly and efficiently
 - analyse operational problems

Intelligent design

Smaller, simpler, more cost effective, more flexible and easier to maintain.



How it works

Safronics intelligent design works on the following principles:

- an intelligent motor control centre communicates with associated compartments via a network cable, which replaces traditional inter-wiring
- the systems PLC collects data from the compartments via the network
- the SCADA system collects data from the systems PLC(s) via a wider communications network
- the SCADA system displays information to the operators via an HMI

“Safronics provide intelligent assemblies that are BS EN 60439-1 compliant and either fixed-pattern or withdrawable.”



Benefits of an intelligent motor control centre

Compared to conventional motor control centres, Saftronics can provide intelligent motor control centres that offer the following benefits:

- **reduced civil costs.** The equipment is smaller and this reduces the plants capital costs and installation costs. In turn, the smaller footprint reduces the size of the equipments housing, giving further savings on construction costs.
- **time and cost savings.** In the form of reduced design, manufacture, installation and commissioning time.
- **more information.** By collecting and analysing this information, you can develop preventative maintenance techniques and also identify potential future failures.
- **reduced operational expenditure.** Improved diagnostics resulting in quicker troubleshooting, so less maintenance time is required.
- **improved personnel safety.** Through information available via either a laptop computer connected to the motor control centre or a remote PC, there is little reason to open the doors of the motor control centre for troubleshooting purposes.

Meeting your requirements

- modular design
- products manufactured in individual tiers
- metalwork and enclosures available in a wide range of colours
- local or remote control

Reliability

- BS EN 60439-1 compliant
- precision-built, custom-made enclosures, fabricated using the latest CNC technology
- all materials carefully selected and checked, ensuring a long working life and maximum reliability
- quality engineering for reliability in service
- high performance
- guaranteed personnel safety

Support

- full installation, site testing and commissioning services
- detailed operation and maintenance manuals
- technical support and advice
- comprehensive 12 month warranty on all products

