Case Study
A FOCUS ON IMO PRODUCT IN APPLICATION

iSmart Intelligent Relay
Training Centre Lighting Solution

www.imopc.com
The customer - Liberty Specialty Steels - were looking for a lighting solution for their apprentice training centre. The 25 year old system which needed replacing, utilised high bay light fittings which were left on all the time, even though the training centre operated from 8am to 6pm.

Due to the high bay lights being left on all of the time, the aim of the project was to not only modernise the system, but to additionally provide energy savings.

The customer engaged with IMO after determining that the solution required a sequential start up and shut down of the high bay luminaires. After discussing the requirement with the customer, the suggestion was to utilise the IMO iSmart intelligent relay to control the sequential start up and shut down, and with an added lux level sensor which upon detecting bright enough ambient light provided by the skylights, will ensure the lights do not turn on.

IMO introduced the customer to an approved IMO System Integrator - TH Electrical - who built the user approved panel combining an array of IMO panel range products, including the iSmart, AC isolator, miniature circuit breakers, modular contactors (for heating & lighting), modular power supply, screw clamp DIN rail terminals, slimline plug-in power relays, pilot light and push buttons.

Now fully installed in the Liberty Speciality Steels Apprentice Training Centre, the estimated energy saving payback (based upon their previous usage and costs) is 12 months.

“The lights (in the Electrical Training Centre) were controlled by a number of archaic blade type isolators. I looked at various technologies with IMO and TH Electrical came up with an extremely efficient way to control the lighting, incorporating a wireless programmable solar cell, wireless switching and PIR’s.

With a quick 1 day installation, we were able to operate the lights from the panel, with all the additional technology only requiring 1 day to complete - TH Electrical did a magnificent job of the layout and install of the internal components of the panel.

With this technology, we aim to save money through proper utilisation of the lighting within the training centre, in addition to giving the area a modern upgraded way to control their lighting.”

Energy Saving Engineer, Liberty Specialty Steels