Case Study
A FOCUS ON IMO PRODUCT IN APPLICATION

i3 Intelligent Controller
Specialist Vehicle Solutions

www.imopc.com
### i3 Intelligent Controller

**Specialist Vehicle Solutions**

The i3 Intelligent Controller is already being used in a wide range of specialist vehicles including, Custodial, Fire, and Cash-In-Transit. Another example of how the i3 can be used, is in state of the art Police Vehicles that contain a range of high tech equipment and software systems. These systems are often produced by several suppliers, therefore having several different user interfaces which the vehicles crew need to operate.

A single user interface running on a touch screen PC would bring all of these systems together in one place. IMO has identified this requirement and produced just that! Operating a number of electrical components installed on the vehicle, including the light bar, the siren and the matrix sign at the rear of the vehicle. It also provides a graphical front end for the stolen vehicle ‘Tracker’ system. The software will also interface with a third party in-car ANPR system (automatic number plate recognition) and the CCTV camera system for the vehicle-mounted cameras. Physical control is provided via IMO’s powerful i3 controller.

The user interface uses IMO’s Panel-Point SCADAlite software platform.

**Main Menu**
- Full screen application.
- Large buttons allow easy option selection on a touch screen.
- Buttons on right for easy access by the driver.
- Provides an interface to the third party software on the PC such as ANPR and camera system.
- Alerts from third party systems are displayed.
- Return straight to menu via a ‘white button’ feature in the vehicle.

**Tracker Screen**
- Replaces the dash mounted Tracker LCD display.
- Displays signal strength and direction signal is coming from.
- Allows switching between two vehicles which are in range.
- Displays the ‘reply code’ for up to two vehicles detected.
- Signal strength is translated to a continuous audible tone.
- Main menu alert when signal is detected.

**Lights Screen**
- Large buttons allow quick selection of ‘at scene’ or ‘999’ pre-programmed modes.
- Displays current status of each individual light.
- Quick ‘cancel all’ feature.
- Ignition and handbrake indicators.
- Control rear matrix sign from the touch screen.
- Quick selection of top ten messages.
- Selection of 255 messages.
- CSV file message configuration.
- Texts can scroll left, scroll right, flash and be left/right/centre justified.
- Quick ‘cancel’ button clears sign.
- Dot matrix display mimics what is shown on the sign at all times.

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