

Case Study



*i*³ Intelligent Controller

BMS Solution



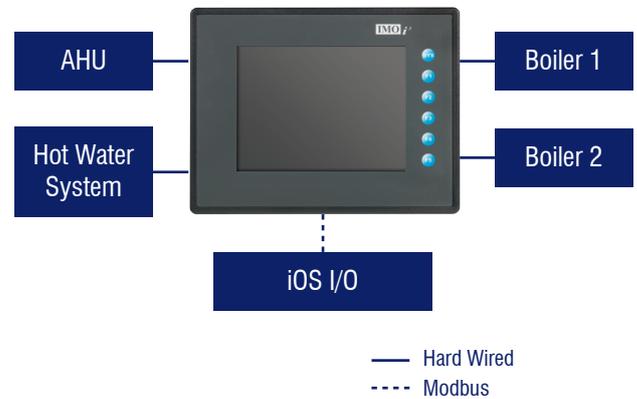
i³ Intelligent Controller

BMS Solution



Application:	BMS control
Equipment:	IMO i ³ C with Modbus OS I/O
I/O Count:	100
Requirement:	To replace an inefficient Building Management Control System
Special Note:	i ³ C set up as a web browser, enabling user remote access

System Technology:



The client required a replacement BMS controller to replace the existing ineffective unit. After a site survey, the integrator selected an IMO Intelligent Control Station (i³) as an ideal solution for the application.

The BMS system consists of the following:

- 2 off boilers
- 1 off Air Handling Unit (AHU)
- 1 off hot water system
- Zone 1 heating
- Zone 2 & 3 heating
- Underfloor heating
- Frost protection

Mounted on the door of the control panel, the iCube (i³) can be used to modify settings for all parts of the system and is the main interface for the BMS. The touchscreen functionality gives system administrators a simple, intuitive password protected access point to the system for adjustment of parameters, such as temperatures and start times. The unit is password protected with a 10 minute timeout to prevent the unit from being left logged on.

The iCube controller application software was engineered to interface to the listed equipment, enabling control of all parameters, including set controls, temperatures, alarms, trending and air quality.

Web browser enabled

The Web Browser functionality of the i³ was enabled, thus allowing the user remote access to his BMS system. Using this method, the user can monitor all aspects of control, view and reset alarms, analyse trending and modify all set points.

The iCube range is available with different IO configurations, screen sizes and communication options. Pricing includes software and 3 year warranty.

“Our integrator has provided an outstanding professional service. They quickly diagnosed the problem with the existing controls and seamlessly installed the new automation system, which I think is fantastic.”

Testimonial from End User

“We use the IMO iCube (Automation Control Station) in many different applications. The iCube is extremely versatile, with several communication options and onboard IO configurations, it is ideal for just about any control requirement I can think of.”

Testimonial from Integrator



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