



Know where your personnel are when it counts

Drills or evacuations and Search and Rescue during an incident can all benefit from S3-ID's experience in the real world. Proven procedures and knowledge combine to enable you to get the information you need in real-time without the need for complex procedures.

Features

- Fast and efficient hands free mustering, reducing risk in the event of an incident or drill
- Processing of multiple personnel simultaneously: No queuing
- Provides electronic (and paper) muster count and POB, with accurate and instantly available reports in the event of an incident
- Links directly with, and complements third party logistics packages including Da-Winci and Vantage POB
- Enables specialist teams to receive their instructions and to carry out their tasks based upon accurate, up to date and shared information
- Visibility of the system from shore during emergency situations
- Automatic procedure handling reduces requirement for human involvement, thereby reducing errors

Automatic muster station operation

During a platform muster, personnel entering the lifeboats will pass through the field generated by the lifeboat muster antennas. The presence of any transponder will be detected by the Muster Reader Unit. Once the reader unit has detected a transponder and the person is at the correctly designated muster station the name associated with that transponder is displayed on the muster display unit, the green lamp will be illuminated and the sounder will be activated. The person continues to enter the lifeboat and will be registered as mustered at that muster station in the system database.

If a person is detected at a wrong muster station, the yellow beacon will be illuminated, the sounder will activate and the person's name will be displayed on the muster name display unit. The display will also show the correct muster station where the person should attend. In the time between displaying the names of mustered personnel, the display is updated with a count for persons expected and persons mustered for the associated lifeboat.

Technical Specifications

Components

The automatic muster station consists of a transponder, worn by each person offshore, antennas of various designs at lifeboats, team muster points etc, certified reader units and display's for showing information to persons mustering.

Wrist Transponder: This RFID tag worn by persons when offshore; it communicates a unique two part 64 bit number to the eMuster software when it enters an antenna field.

Specification

Type:	Wrist Transponder TC5 Material:
ABS with polycarbonate label Colour:	Black Housing
Dimensions:	37 W x 46 H x 10 D
Weight:	12 g
IP Protection:	IP66
Mounting details:	Fitted with Wrist strap
Communication:	RFID
Temperature Range:	-20° C to + 60° C

Certified Reader Unit: The primary component of the eMuster solutions is the certified reader unit. Housed within the polished stainless steel enclosure are the electronic modules necessary to read the transponder tags carried by installation personnel and then pass this data to the central system servers via a high speed, high integrity Intrinsically Safe CAN bus network. The unit is ATEX certified for operation in hazardous areas.

To facilitate simplified installation, the enclosure has a lower Exe chamber for the connection of power and its associated antenna. The communications cable to the system servers is terminated in the upper IS chamber.

Specification

Material:	2.0mm stainless steel sheet Grade 316 L
Colour:	Grey pickle / passive external electroplated
Dimensions:	372 W x 560 H x 156 D
Weight:	33 Kg
IP Protection:	IP66
Ex Certification:	Eex ib e q IIB T4
Mounting details:	4 fixing holes M12
Cable Entry:	M25 gland for power M25 gland for communication M20 gland for antenna
Temperature Range:	-20° C to + 50° C
Voltage:	230 VAC
Power Consumption:	40 W

Name Display Unit: It is constructed from marine grade copper free aluminium with stainless steel bolts. An ultra-high brightness display panel is visible through the enclosures front window. The muster station can be fitted with "correct/incorrect" location lamps and an IS sounder for positive confirmation of arrival at the station. The control circuitry is safely contained within the display enclosure. Built in thermostatically controlled heater to prevent condensation

Specification Name Display Unit

Dimensions:	470 W x 310 H x 210 D
Temperature Range:	-20° C to +60° C
Weight:	33 Kg
Cable Entry:	5x M 20 glands
Colour:	RAL 9006 Grey
Ex Certification:	EEx d IIB T5
IP Protection:	IP66
Outputs:	Powered outputs for lamp control
LED Display	2 line, 40 character ultra-high brightness red LED display



PATENT PENDING

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