



Our services include:

- *Planned Maintenance*
- *Repairs to ours and third party equipment*
- *PLC system design & modification*
- *Diagnostics & troubleshooting of complex issues*
- *Calibration of field devices*
- *Software creation, analysis, adaptation, & back-up protocols*
- *Repairs to PC work stations*
- *UPS Supply and Installation*
- *Design & replacement of obsolete equipment & systems.*
- *Power management systems, drives*
- *Design & customization of display panels*
- *Pneumatic & hydraulic controls & instrumentation*
- *Remote-controlled systems*
- *Supply of spares*

About us

Formed in 2003, P & S Automation Limited are specialists in Instrumentation, Control and Automation Systems for Marine and Land Based Industries, in the UK, Europe and World-wide.

Our aim is to provide customers with a high quality, reliable and competitive service using the best equipment available.

News

Mitsubishi FX2n PLC's are now obsolete, they cannot be purchased new from Mitsubishi anymore.

The recommended upgrade path is to the FX3u PLC, this is the same footprint and has the same connection layout. To upgrade, the program will need to be migrated across.

Where these PLC's have add on I/O modules the older design modules i.e. FXon are not compatible with the FX3u and so new I/O modules need to be supplied as well.

Memory modules are available for the FX3u PLC's so the program can be loaded onto these and the units stored without the worry of the program being

lost because the battery expires.

We have recently upgraded the IGG, N2 and Steering Gear systems on a 10 year old Gas Ship from FX2n to FX3u this now means that if a failure occurs the ships ETO will be able to fit the new PLC's with minimal down time and spares can be quickly purchased to replenish the stores.

Mitsubishi have also announced that their 'E' series displays will only be available to purchase until the 30th November. After this date alternative displays will be available but these will require additional engineering to migrate the software and physically install.

We are accredited to
ISO9001:2008



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See us at Seawork 2016
from 14th – 16th June 2016
at the
ADP Port of Southampton

Project

Mexeflote winch control upgrade – the Mexeflote (pictured right) is raised and lowered by two separate winches, this has proven to be difficult to control and often leads to one of the winches tripping.

The OEM suggested replacing the two winches with one, which would obviously work but was very expensive.

We proposed fitting a PLC to monitor the two winches and manage both from a single joystick. This was installed in August and then successfully commissioned in September taking just 5 hours



Service

Repair of ME Load Control on Accommodation vessel being reactivated – The vessel had come out of drydock and when the Main Engines were clutched in they did not loadshare, the technical superintendents could not trace the makers of the system and we were recommended to them.

Our engineer attended the vessel in Napoli, inspected the system, diagnosed and then corrected the problem during a 4 day visit.

Repair of a Cargo Control system that was holding up loading operations – A LPG Gas ship was anchored off Portugal waiting to load, but a fault had developed in the Cargo Control System, the OEM's telephone was not being answered, emails ignored.

Our engineer travelled to the vessel at very short notice and within 8 hours had repaired the system, enabling loading operations to commence.

These are two examples from a catalog of service visits that we have carried out for our customers.

MCAS

We are responsible for maintaining the UMS alarm system on 9 RFA vessels this involves calibrating and testing all the UMS channels on a yearly cycle and non UMS channels on a 5 year cycle.



HarbourWatch™

The HarbourWatch™ is a configurable & Expandable Alarm System that will report problems to Owners, Managers etc by text message to their mobile phones without the need for a land line connection to the vessel.



This month we can offer a 20% discount on Bilgmon 488 Parts. The Cleantrack 1000B ODME complies with Biofuel regulations

