



Marine Instrumentation

Intelligent solutions for...



Digital Tank Gauging



Illegal Discharge
Prevention



Water Ingress Systems

With 30 Years Experience in the Marine industry our type approved instrumentation is installed in vessels of all types from warships, through tankers, carriers and bulkers, to trawlers.

Our accumulated expertise combined with the latest technology ensures PSM systems provide accurate, reliable and cost effective solutions.

delivering our level best for over 30 years

Digital Tank Gauging



Saves up to 70% of equipment, installation, and Commissioning costs

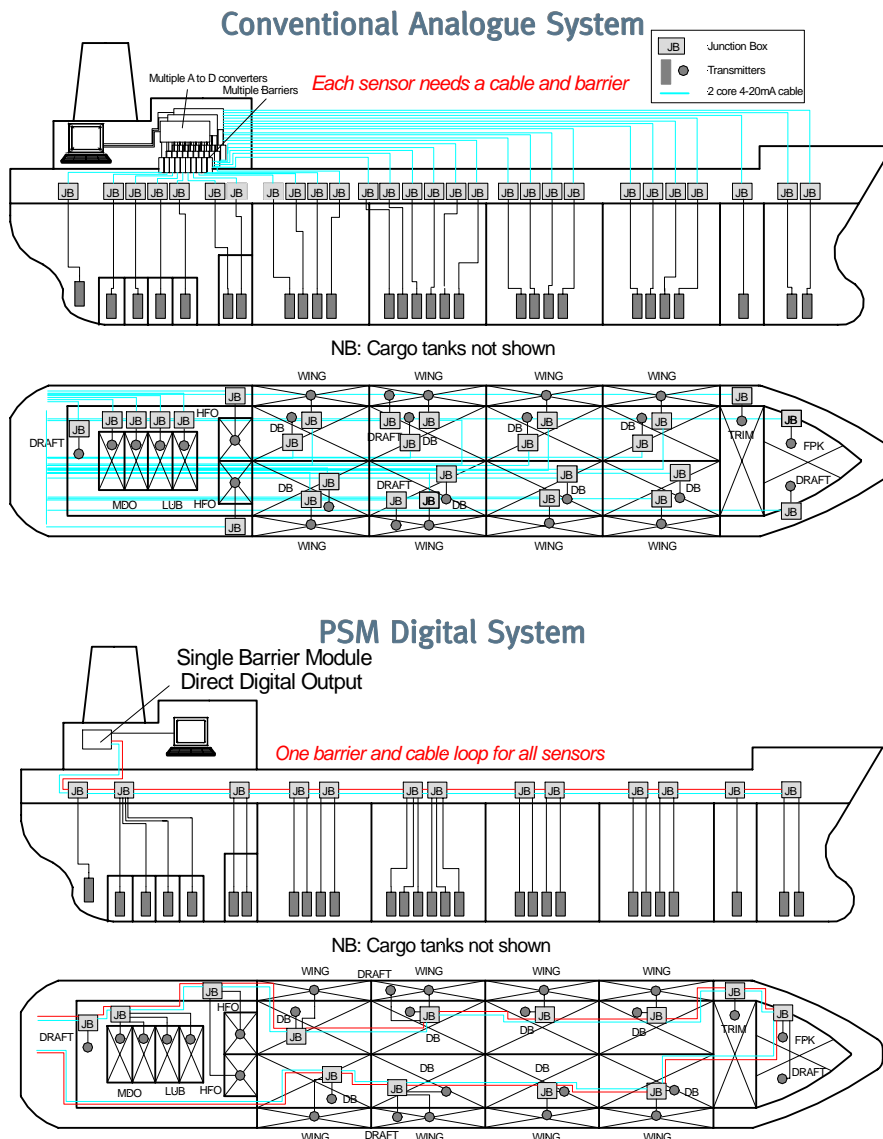
Cabling costs are a significant factor for all shipboard systems.

PSM's digital technology allows a multi-drop arrangement where all sensors are connected to a common data bus. No longer is it necessary to run a separate cable from each transmitter to the display. Installation is further simplified by a range of purpose designed termination modules.

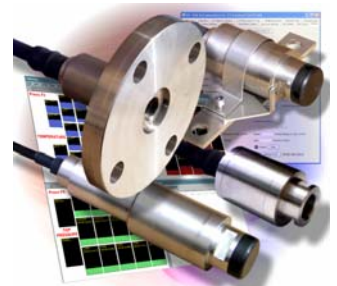
The extremely low power requirement of PSM's iCT transmitters means a single Safety Barrier can protect the entire network saving significant costs. iCT also measures temperature to further reduce equipment requirements.

For commissioning all transmitter settings and calibration are remotely accessible from any point on the bus. No tank access is needed and the tanks may even be full.

Single or multi-point graphical displays are tailored to suit the specific ship and Industry standard Modbus protocol permits simple interface with other shipboard systems.



- Type approved
- High accuracy
- Dual mode Level / Temperature sensors
- Remote sensor configuration
- Standardised spares / Simple replacement
- Flexible installation
- Simple Interface to other systems



Illegal Discharge Prevention



A new approach to protecting both the environment and the Ship Owner

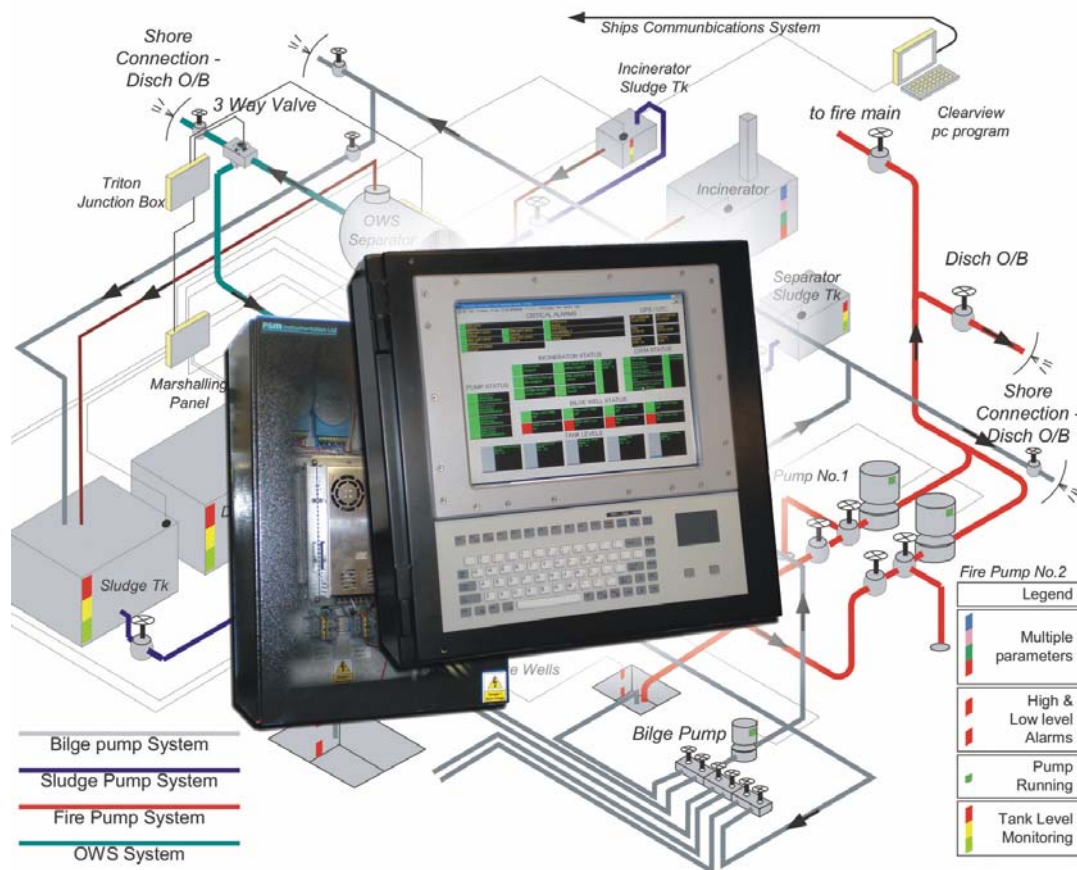
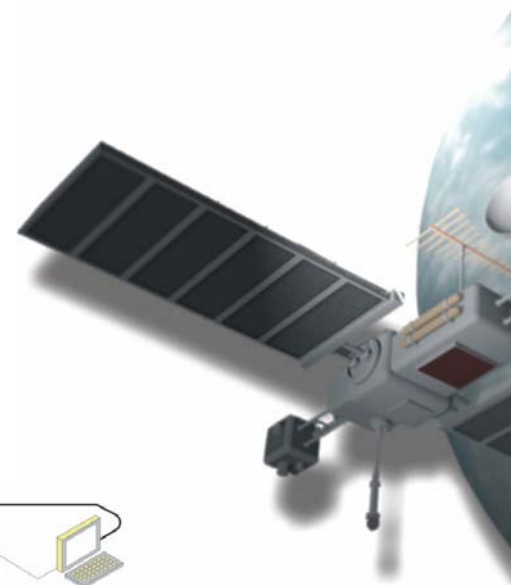
With Port State Control taking a zero tolerance approach where discharge of oily waste above legal limits occurs, and Owners facing huge fines, exclusions, and even imprisonment, ClearView offers both peace of mind for the Owner and protection for the environment.

Operating 24/7 onboard, ClearView provides crew with a clear real-time picture of all activities relates to Oily water / Bilges. It monitors and displays all OWS, Incinerator, pump and tank activities and automatically and securely logs all actions.

If the PPM content of the output from the OWS is above legal limits, or if the Ship is in a geo-fence exclusion zone, ClearView will automatically and securely prevent any overboard discharge.

All data is GPS and UTC tagged and securely stored on ClearView and may be retrieved locally or automatically transmitted via satellite or email to the Owners office where a complete history, in effect an electronic Oil Record Book is then available.

In the case of critical alarms arising the Owner can be immediately and automatically notified by direct satellite link.



PSM supply a complete solution, in most cases making full use of existing sensors and measurements but installing new where required. Various possibilities are offered for transmission of data and for it to be reviewed remotely, either as a real-time presentation or historical review.

Water Ingress Alarm Systems



A Fully approved solution that is simple and cost effective to install for both newbuild or retro-fit

Applicable to both Single and Multi-hold Bulk Carriers

Unlike other systems PSM's BulkSafe requires just a single sensor per hold to detect both pre and main alarms. Functional testing of the system as required by class needs no external water or air supplies ensuring simple and reliable operation.

PSM provide a range of support fittings so that sensors may be installed in a variety of ways.

The alarm display panel provides information in full compliance with the regulations in a clear alphanumeric format, and optional relay outputs / remote annunciators mean PSM can provide a complete solution.

In Accordance with Solas Chapter XII Regulation 12 and IACS unified requirement UR S24 IMO DE 46/18/1 & DE 46/18/2



Other Products



Monitoring & Control



FMCW & TDR Radar



Water in oil detection

Float level switching

Approvals



Our products are designed and manufactured in accordance with quality management systems certified to BS EN ISO 9001:2000. Type approved by all leading classification societies.

advice & enquiries

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