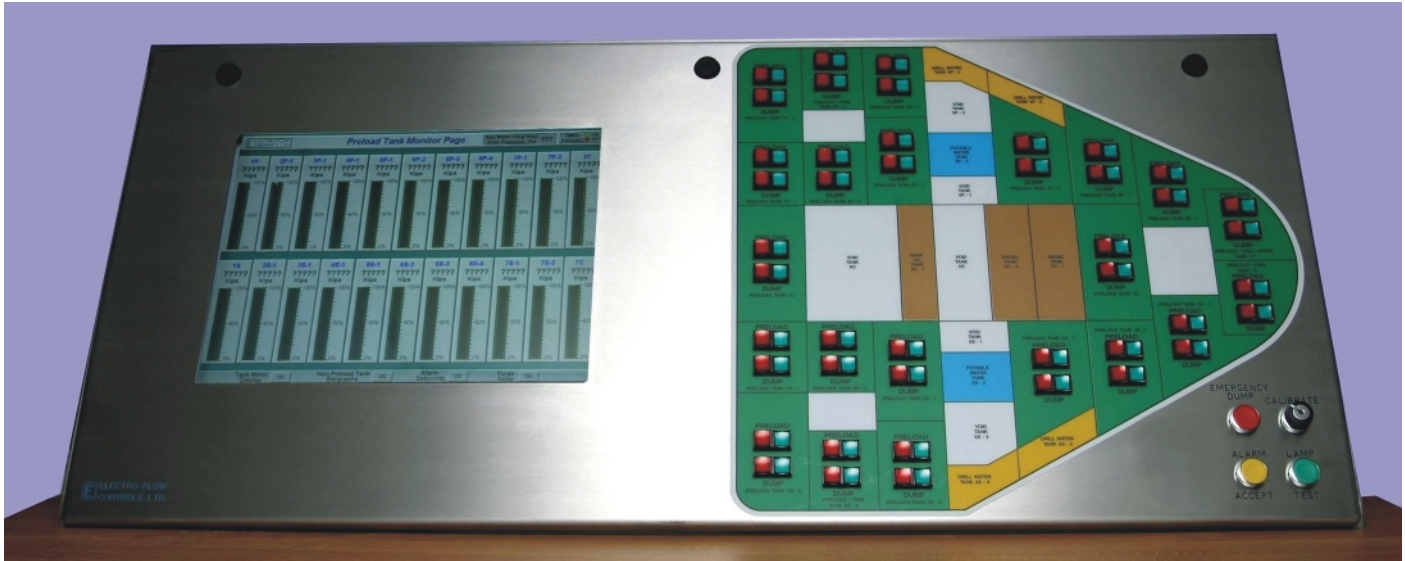


PRE-LOAD TANK MONITORING



*Typical Pre-Load Tank Console
Screen Graphic Monitoring Tank Levels & Valve Control Mimic Panel*

PRE-LOAD TANK MONITORING SYSTEM (PLT)

The PLT monitors:

- Tank Levels
- Tank Weights
- Tank Volumes

The system:

- Maximises rig stability during jacking operations
- Reduces time for pre-loading operations
- Can provide individual tank alarms
- Advanced PC display/archive available
- Additional parameter options include:
 - Void Leak Detection Switches
 - Consumable tank volumes
- Can be incorporated as part of EFC's Integrated Marine Monitoring System (IMMS).



THE PRE-LOAD TANK MONITORING SYSTEM IS
CERTIFIED TO COMPLY WITH HARMONISED EUROPEAN
STANDARDS.



PRE-LOAD TANK MONITORING



Pre-Load Tank Monitoring is usually a safe area operation, unless diesel tanks are incorporated into the specification.

Sensor Options

There are three sensor options:

- Ultrasonic/radar sensors
- Submersible pressure transmitter
- Re-using a rig's 'Bubbler' system

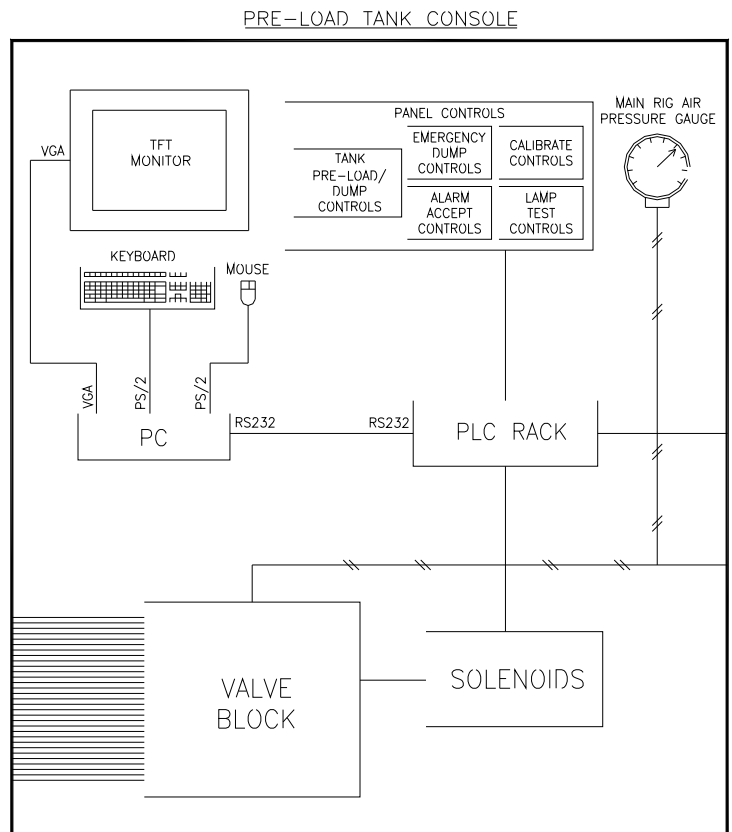
Signals from the sensors/transmitters are processed and displayed by a common data handling display package.

PLC Data Display

- Cost-effective option
- Processes data
- Data displayed as level, volume & weight
- Bargraphs with alarm levels
- Accommodates irregular tanks shapes
- Wind speed, direction & sea draft can be incorporated into screen displays

PC Data Display

- Larger display screen
- A full colour rig mimic can display individual tank levels/volumes/weights
- Archived data for analysis & review
- More complex images can be viewed
- Wind speed, direction & sea draft can be incorporated into screen displays
- Typical PC Functions Available:
 - Secure website access
 - Remote Data Transmission
 - Data imported into Excel spreadsheets
 - Rig network connection available



PC Data Display Option

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