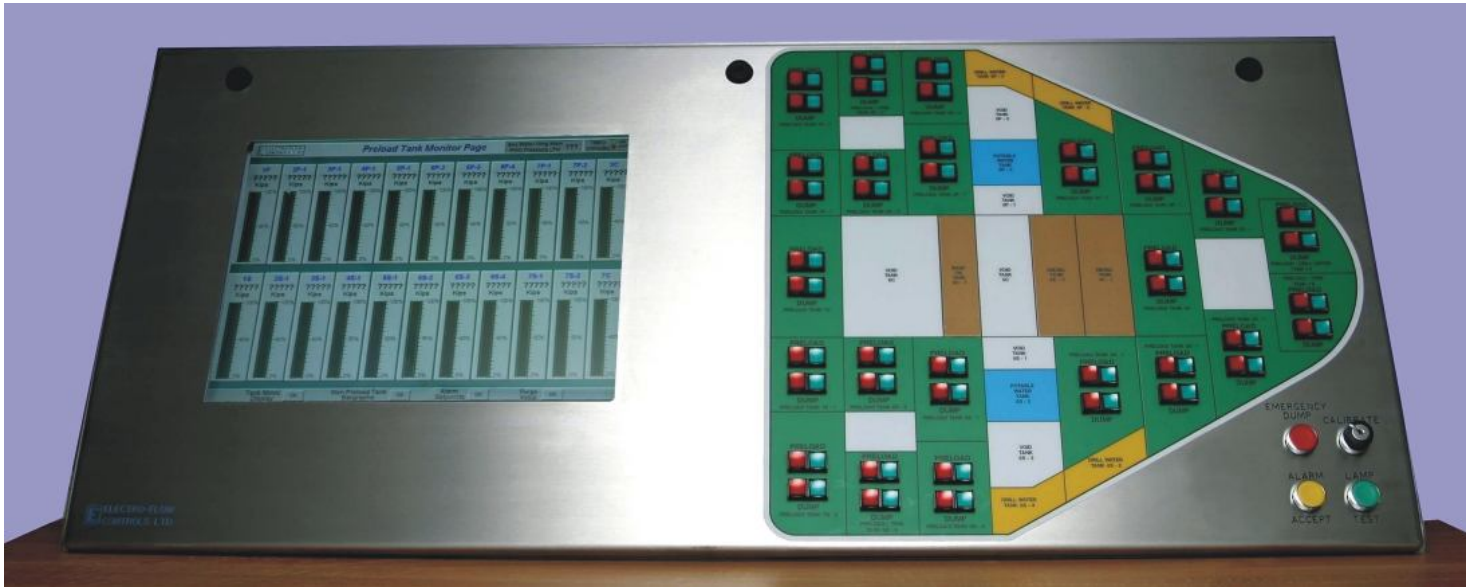


PRE-LOAD TANK MONITORING



EFC GROUP

LEG LENGTH DEPLOYMENT ANCHOR MONITORING BALLAST MONITORING RACK PHASE DIFFERENCE ENVIRONMENT 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
- Can be incorporated as part of EFC's Integrated Marine Monitoring System (IMMS)

- Additional parameter options include:
Void Leak Detection Switches
Consumable Tank Volumes



DESIGNED & CONSTRUCTED
TO OPERATE IN ZONE 1 & SAFE AREAS



PRE-LOAD TANK MONITORING



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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

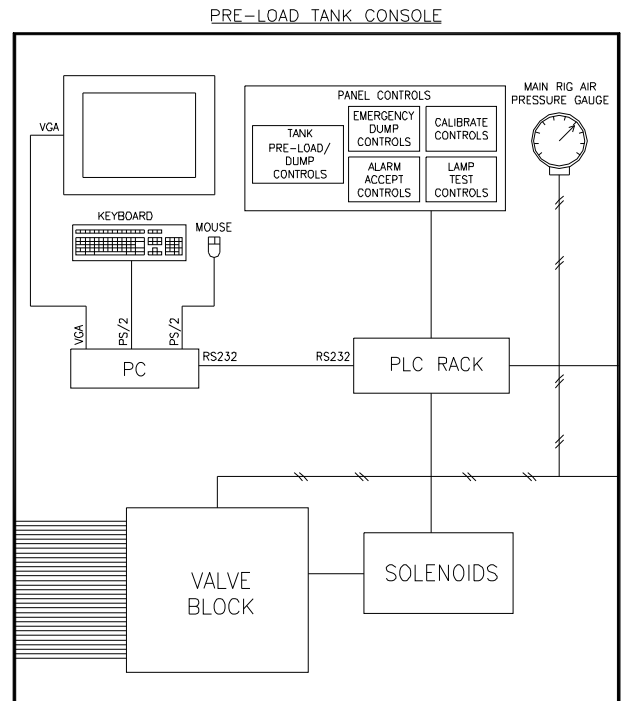
Signals from the sensors/transmitters are processed and displayed by a common data handling display package.

PLC Data Display

- Cost-effective option
- Processes data
- Data displayed as level, volume & weight
- Bargraphs with alarm levels
- Accommodates irregular tank 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 and 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

