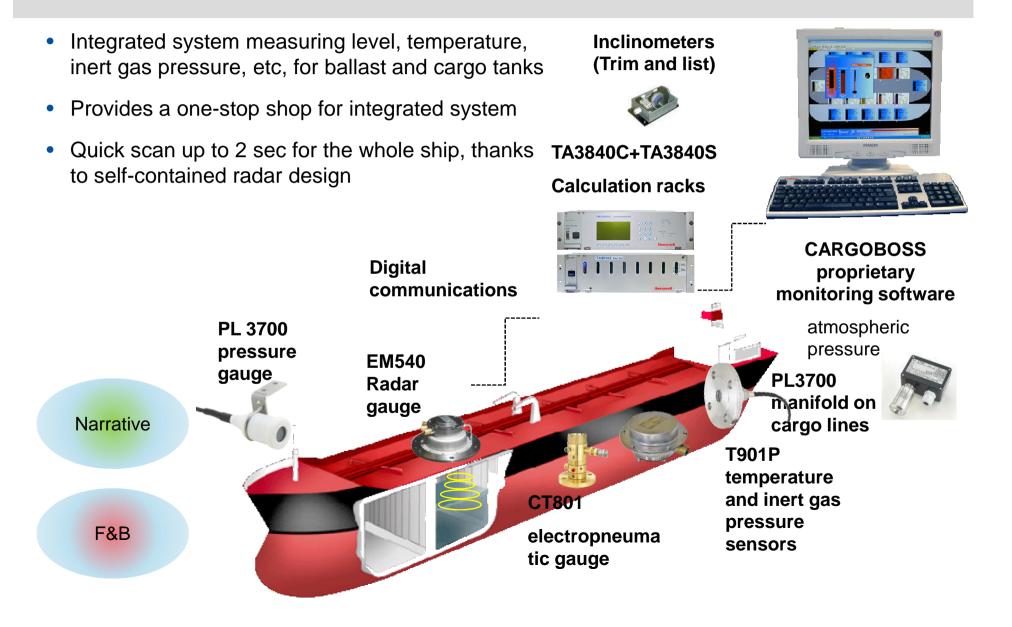






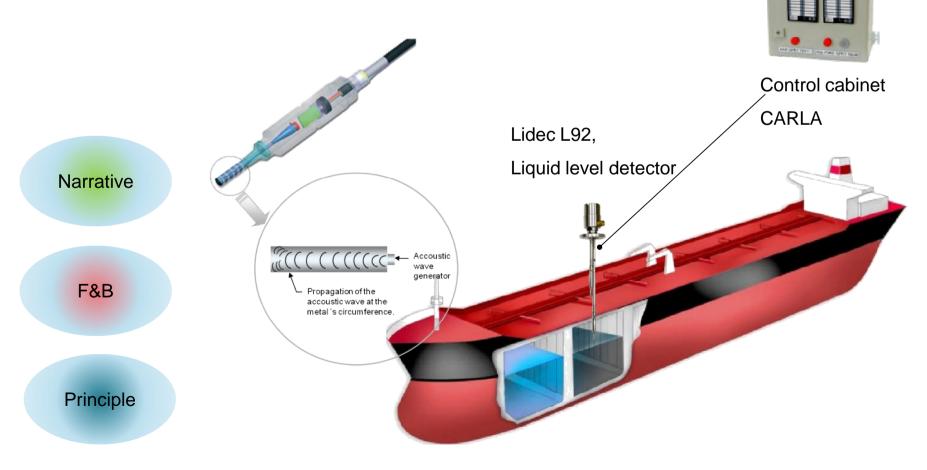
Cargo Level Gauging System for tankers and FPSO





CARLA Cargo Overfill prevention

- Independant high-level and overfill alarm for cargo tanks
- Demanded for SOLAS compliance
- Uses LIDEC without moving part for added safety and low maintenance



Display and

alarm panel

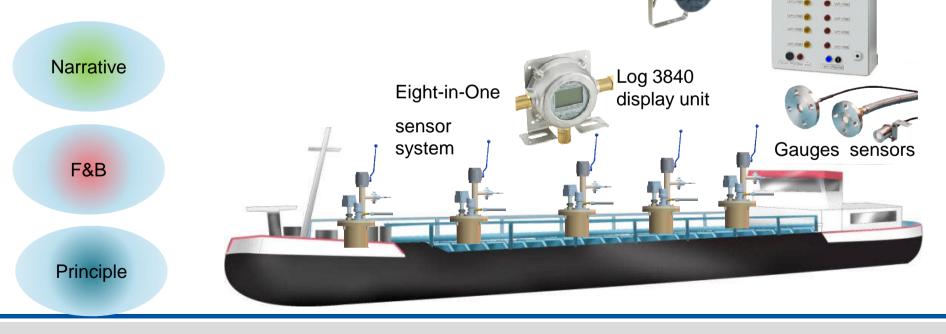
Sound and

light alarms

Honeywell

Gauging system for barges and river tankers

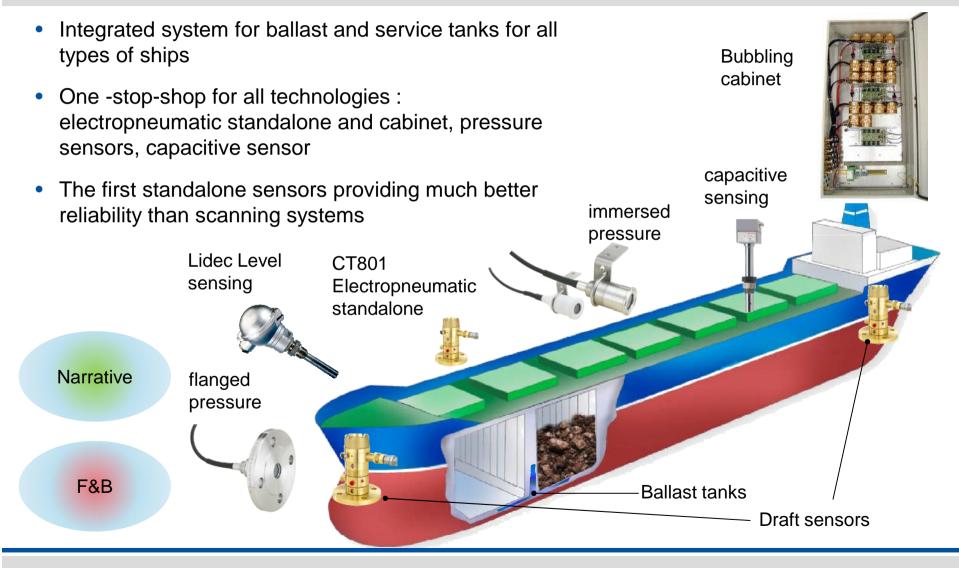
- A simple but powerful system for level and gas monitoring and alarm, achieving regulatory compliance for carrying liquids
- All instruments including portable gauging and sampling on a single 8" flange, lowest cost of installation and ownership
- "No moving part" concept for low maintenance and better reliability





Ballast and Service tank gauging for all ships

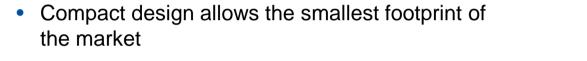
Honeywell

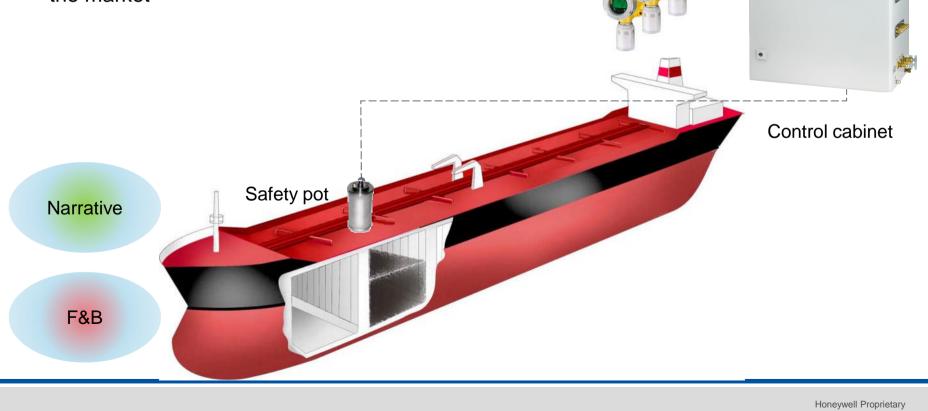




Gas detection in empty spaces

- Complete system for detection of dangerous gases in empty spaces.
- Provides full compliance with regulations





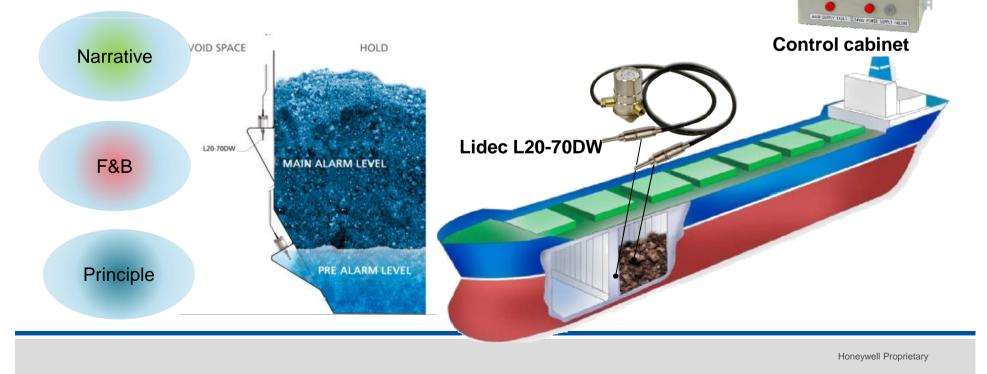


WATER INGRESS

-

Water Ingress Detection system

- Independant system of water ingress alarm for bulk carriers and dry cargo
- Provide full compliance with the demands of SOLAS Chap XII reg12
- Based on no-moving parts detection, WIDS is the only system which is not affected by clogging





Iridium Satellite Once Per Day

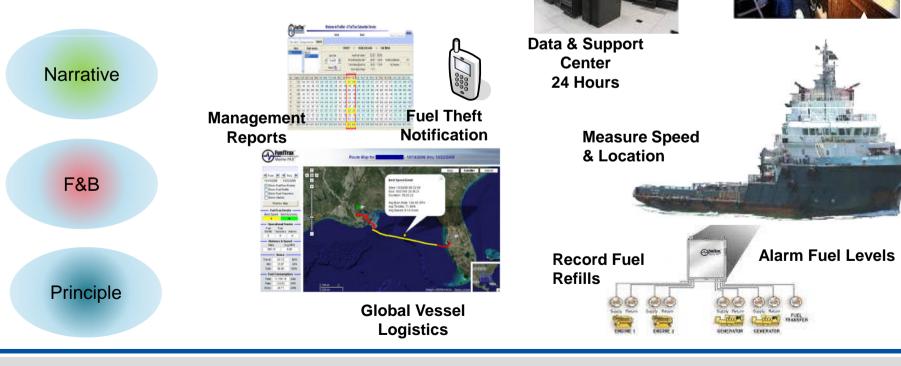
NAUTICAL CONTROL SOLUTIONS

Honeywell

Fuel Consumption Optimisation

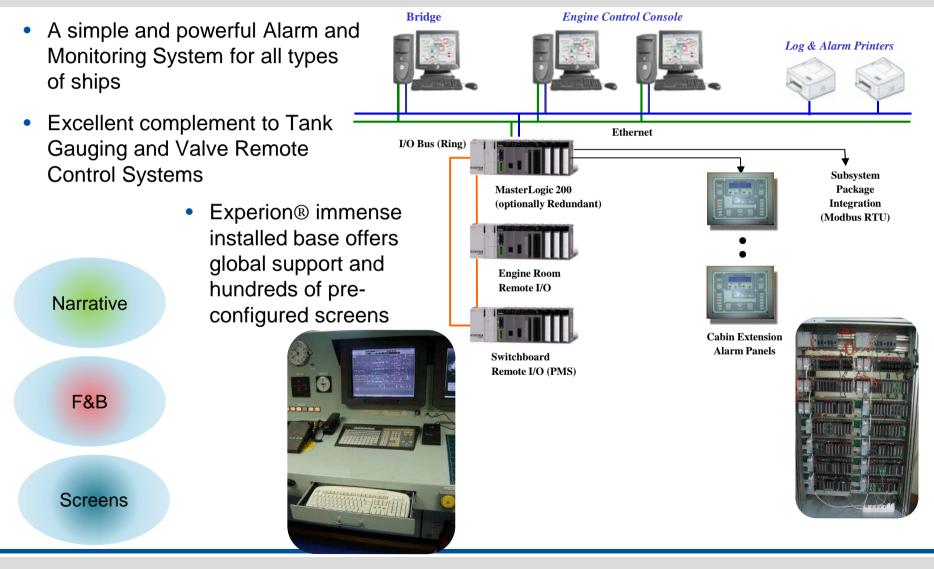
IIIII

- A unique system combining monitoring, consumption modeling and remote communications
- Provides full accountability for fuel usage as well as consumption reduction algorithms
- Quick payback thanks to throttle optimisation and theft detection





Alarm Monitoring System



Valve Remote Control System

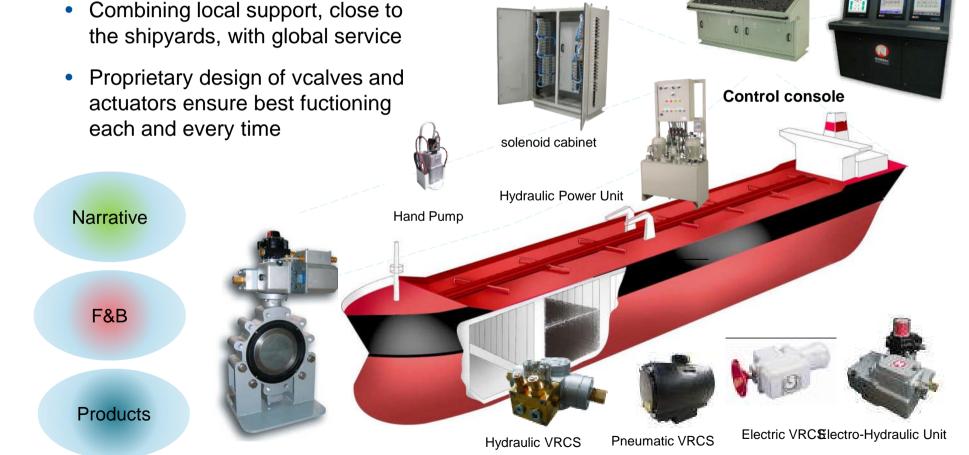
Complete system for all types of ships

Honeywell

Combining local support, close to the shipyards, with global service





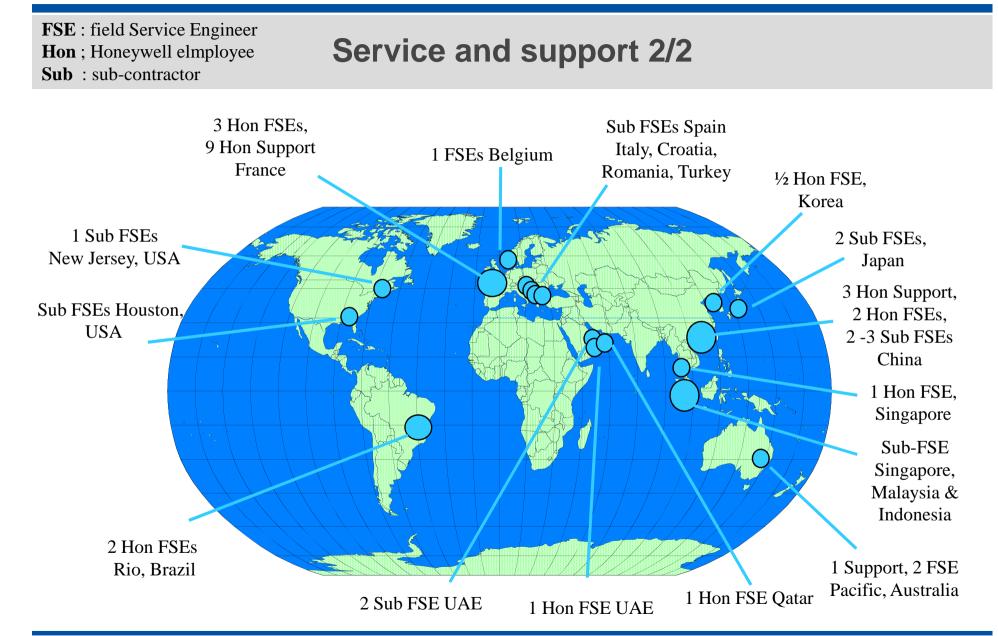


Service and support 1/2

- Honeywell's global presence and structure gives access to a Global network of experts who can answer requests and diagnose difficult issues.
- Remote stocks of certified parts in strategic locations around the planet allowing quick delivery times.
- All Honeywell sites are ISO 9001 certified
- Service stations are regularly audited on site
- Trainings for in-house technicians and service stations::
 - Staged in the manufacturing premises for hands-on practice
 - Taught by experienced trainers, subject to a final exam and certification

24/7 Local service, local spare part inventory





Solutions Overview

Comprehensive Scope of supply

- Tank gauging & monitoring.
- Valve Remote Control.
- Alarm and Monitoring System.

Commissioning, Sea Trial

- Local service team, 4 hours notice.
- Quick response.
- Local engineer Shanghai
- Local inventory, 24 hours response time.

Before & during vessel construction

- Local skilled project support team, based in Shanghai
- Full FEED and project coordination
- Project manager can be located at the yard facility.

During vessel operation

- Single point of contact for after sales support.
- Local spare parts inventory in the major locations globally, 24 hours response time
- Local service team and service station major locations globally.

Honeywell – 1 Stop Shopping





Thank You, Any questions?

