IMES Monitoring Overview



















- Load cells, equipment and software for:
- Buoy Mooring Tension Monitoring Systems
- Turret Mooring Tension Monitoring Systems
- FPSO Anchor Chain monitoring
- Anchor Line Load Monitoring Systems
- Chain Stopper Monitoring Systems
- TLP Tether Tension Monitor





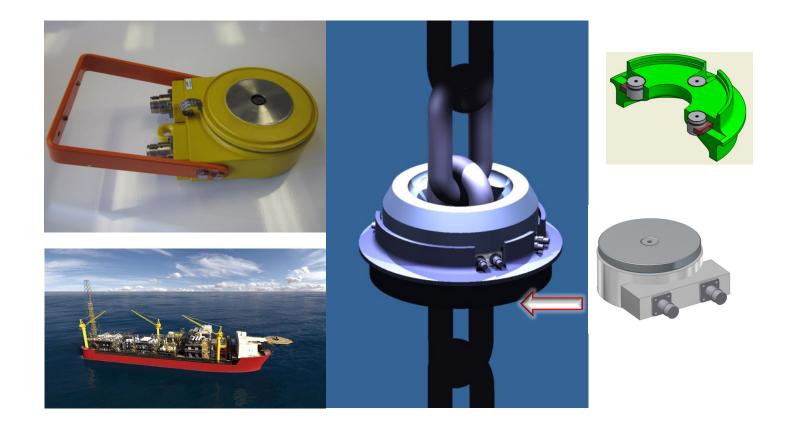
- Load cells, equipment and software for:
- Buoy Mooring Tension Monitoring Systems
- Vessel Mooring Monitoring
- Hawser Monitoring
- RF Telemetry systems
- Met-ocean sensor systems
- Navaid system







Mooring Systems FPSO







Mooring Systems FPSO

Chain-stopper Pins, Cabling and Amplifiers







Mooring Systems - FPSO

Brasil Petrobras Sheillan

BP Schiehallion (Aker Solutions)

Brasil Petrobras Marlim Sul (SBM Offshore)

Malaysia Murphy Kikeh ST (SBM Offshore)

Brasil Petrobras MV20 Cicade de Santos (Modec)

Cidade De Itaji Odebrecht TK

Technip US

Venesuela PDVSA Campo Dragon (US Contractor)

China National (Singapore Contractor)

Petrobras MV Campo (Modec)

Inpex Browse Basin FLNG Mooring

Egypt (RPC)

Mooring Cells and System

Mooring Calibration

Chain-stopper Load cells

Chain-stopper LoadCells

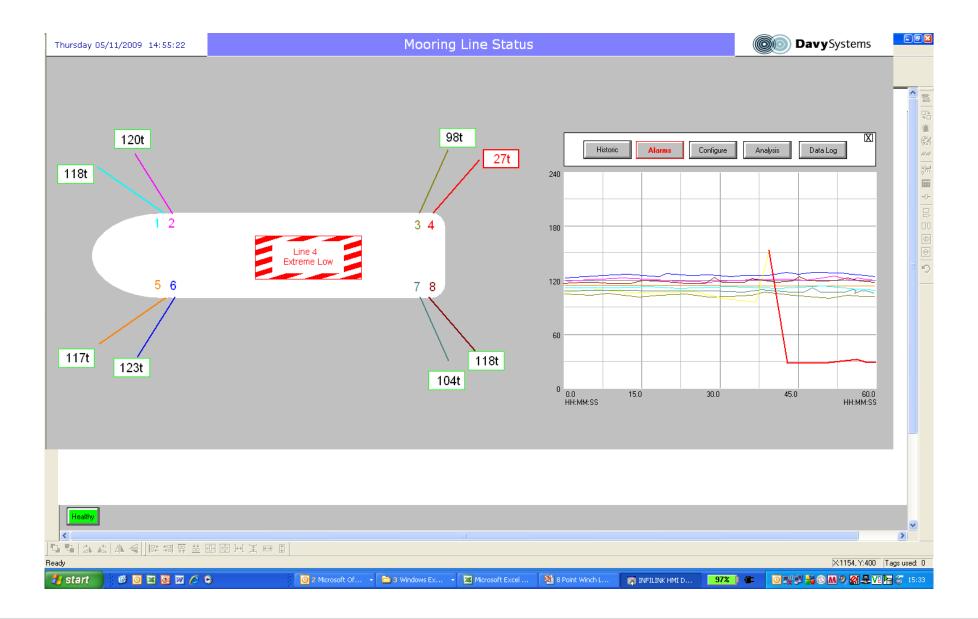
Subsea Mooring Cells

Wireless Mooring System









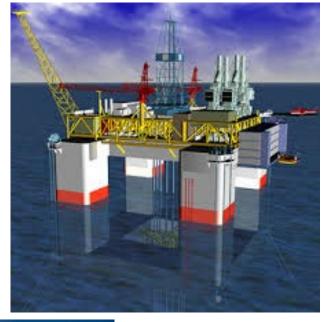




Mooring Systems - TLP













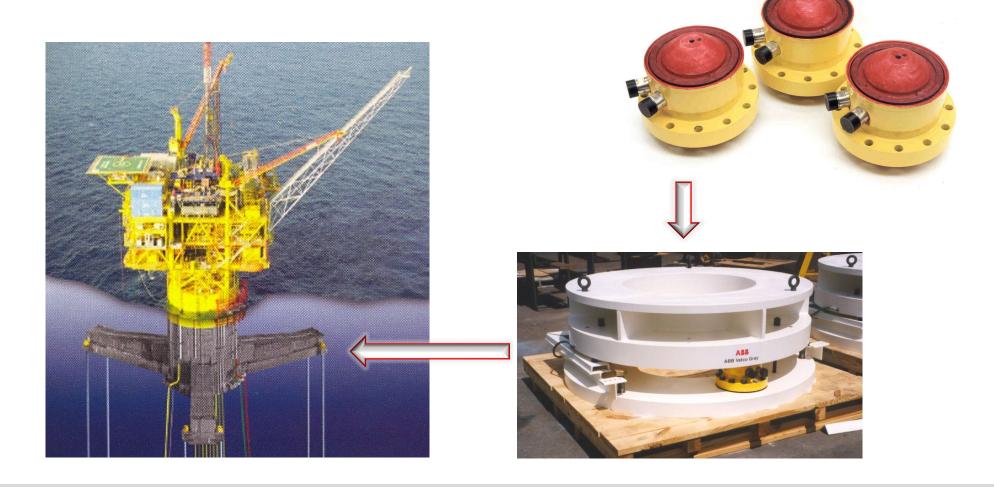








Mooring Systems - TLP







Mooring Systems - TLP

- Norway, Statoil, Snorre A, Aker

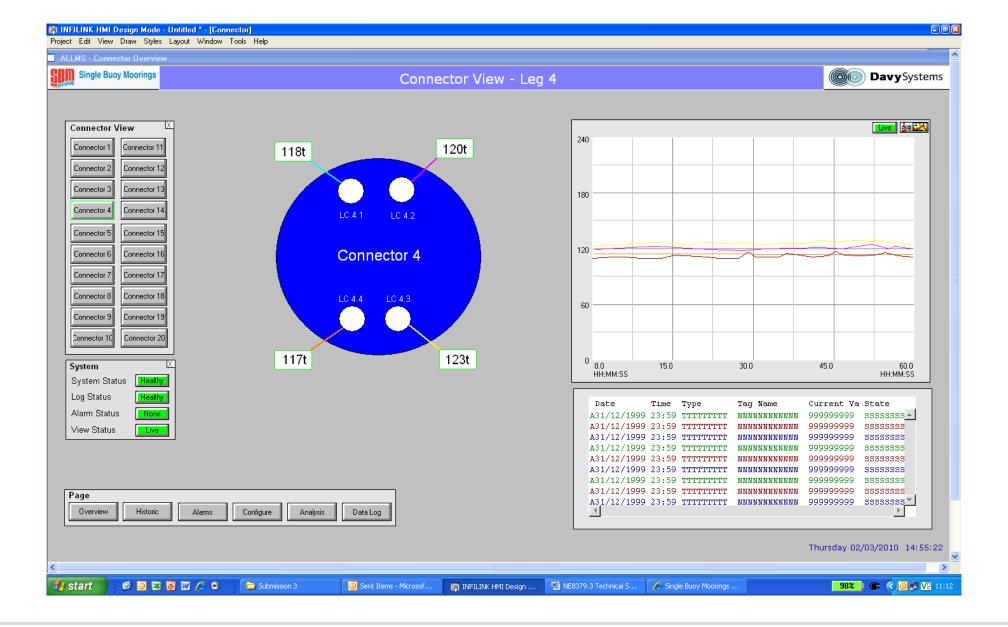
 TTMS Cells cables and Electronics
- Norway, Statoil, Heidrun, Aker TTMS Cells cables and Electronics
- US GoM, ENI, Morpeth, Atlantia Seastar TTMS Cells, cables and Electronics
- US GoM, ENI, Allegheny, Atlantia Seastar TTMS Cells, cables and Electronics
- US GoM, Total, Matterhorn, Atlantia SeaStar

 TTMS Cells, cables
- US GoM, Total, Neptune, Atlantia Seastar TTMS Cells, cables
- US GoM, Typhoon Atlantia Seastar TTMS Cells, cables













Anchor Line Load Monitoring Systems (ALLMS)

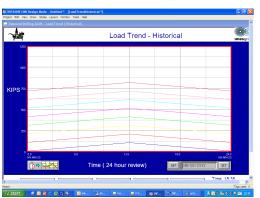


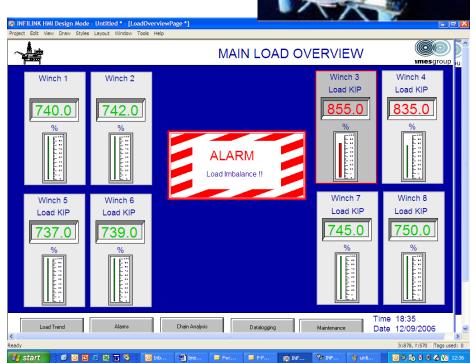




Anchor Line Load Monitoring Systems (ALLMS)

- Visualisation
- Alarms
- Trending and Data-logging
- Safety Management software
- Winch /Chain use & Status data

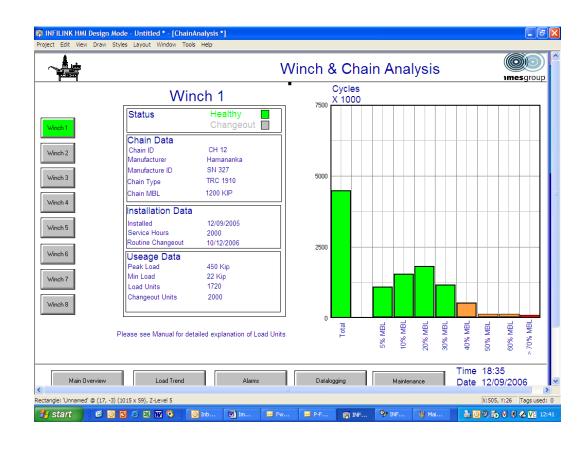








- Status and Analysis
- Peak Load data
- Load Cycle data
- Load units
- Change out data
- Risk Based Inspection







Jack Up Monitoring

- Jack load monitor
- Load & Torque based Systems
- Leg Load Alarms
- Imbalance alarms
- Data logging
- Visualisation

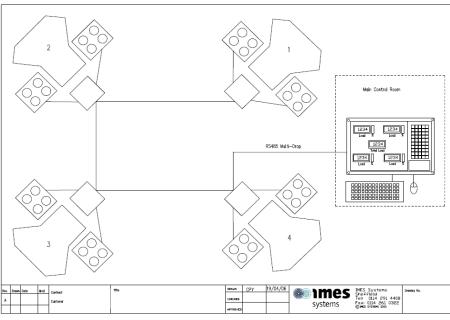






Jack Up Monitoring









- In line Mooring connectors,
- Chain interfaces
- Risers and structures
- Diver and ROV Deployed Systems
- Acoustic Modems, cabled, local logging
- Long Battery Life
- In series or parallel solutions





