

Load Moment Indicators Wire Monitoring Systems Winch Controls

UNOLS 2008 Research Vessel Operators' Meeting

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Sensors



<u>Services</u>



<u>Systems</u>





Marine Cranes









Military & Personnel Lifting





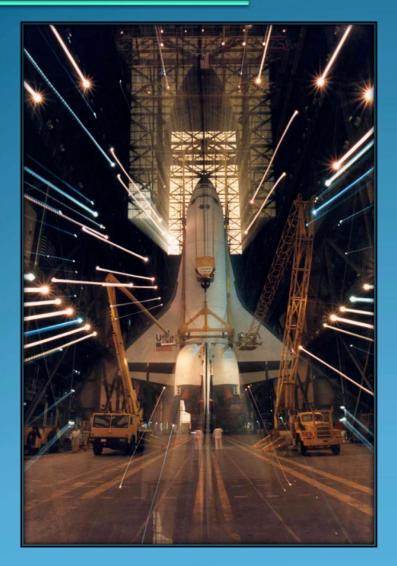


High Volume Worldwide Installations





Critical Lifts







Heavy EMI Applications





Extreme Temperature Applications





Operator Displays & Controls





Configure To Order Displays







Load Moment Indicators



Wireless Anti 2 Block & Load







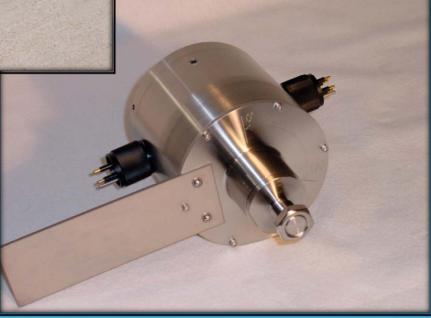
Wireless Multiple Transmitters





Boom Angle





SENSORS
SYSTEMS
SERVICES
3 Point Solutions

Boom Length



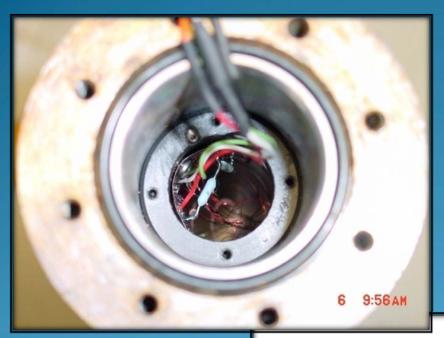


Wireless Load Torque 3 Axes of Acceleration & Internal Data Logger





Sensor Reliability





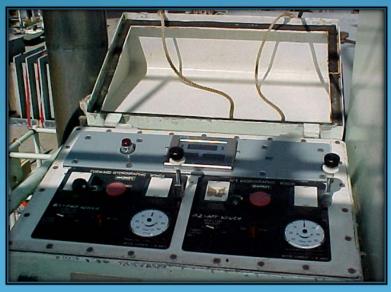




3PS-Installed Wire Monitor Systems









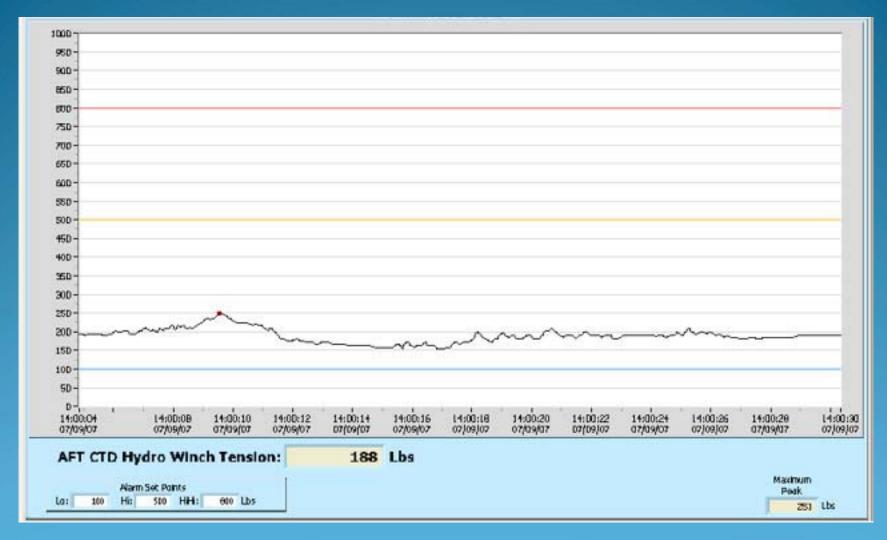


Slack Line & Peak Detection System

- Uses Common Computers (Desktop/Laptop)
- Logs Data at up to 50Hz Rate (20 msec)
- Data Logging to Common Spreadsheets
- Programming & Display are Customized
- Sensors may be Wired or Wireless
- Add to Existing Equipment
- Please Ask for Hands-On Demonstration

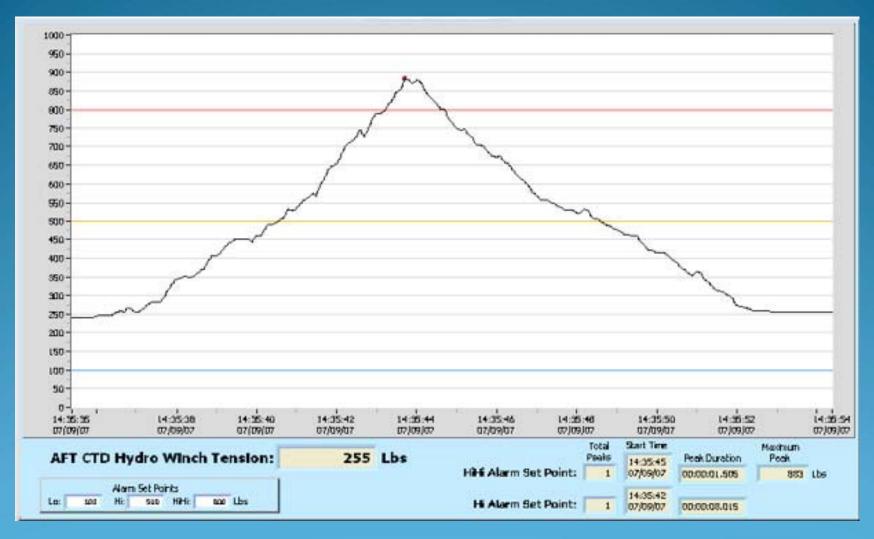


Peak Detection - Normal Mode





Peak Detection - Alarm Mode





Peak Detection Configurations









SENSORS
SYSTEMS
SERVICES
SPOINT Solutions

3PS-Installed Winch Control Systems

- 3PS Manufactures Sensors but also Provides Custom Systems
- Touch Screen Alarm & Monitoring
- May Integrate with Existing Systems
- PLC-Controlled Systems may be Modified In-Field
- Software Upgrades or Changes may be Uploaded In-Field with Minimal Skill & Training
- Technical Training is Available
- Customer Owns the Program
- 3PS, Inc. Addresses the Need for Reliable Sensors& PLC-Controlled Systems



3P5-Installed Winch Control Systems















