

## ITT ProSmart Eliminates Pipeline Surprises

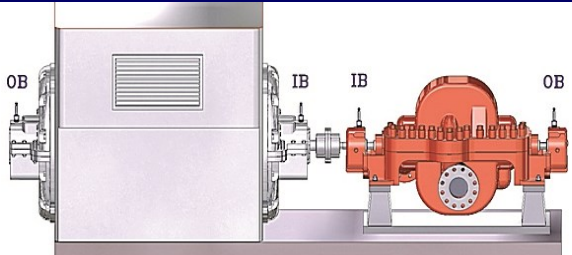
**Problem:** A petroleum pipeline station in Ohio added a drag reducing agent (DRA) to increase the flow of a critical main line. The higher flow rates also caused the pump to swing right on its curve, which in turn can cause the pump to vibrate excessively. Running a pump beyond limits can cause excessive wear and high bearing temperatures which, if undetected, can greatly increase repair cost and down time.

**Solution:** The customer contacted Kennedy Industries to learn more about how to monitor their equipment and ensure that the pump was not going into distress. Kennedy Industries recommended and installed a web-based Predictive Conditioning Monitor which can record data on temperature and vibration and provide early warning of equipment problems. The web-based system checks all parameters every 5 seconds, 24/7, and alerts users when an alarm set point is exceeded. The website is easy to use and allows the user to get a clear overview of how their equipment is running. Alert messages are transmitted wirelessly to the user's computer or mobile device and can be accessed on any operating system through the web-based browser. Once online, users can access all data needed for problem analysis. Early detection of potential problems will save the customer money, time and stress.

### 3-Axis vibration & temperature sensors



### Customer Web Dashboard



OB Motor				IB Motor			
<input type="checkbox"/>	OB Motor Horiz	0.02 in/h/sec		<input type="checkbox"/>	IB Motor Horiz	0.02 in/h/sec	
<input type="checkbox"/>	OB Motor Vert	0.01 in/h/sec		<input type="checkbox"/>	IB Motor Vert	0.03 in/h/sec	
<input type="checkbox"/>	OB Motor Axial	0.00 in/h/sec		<input type="checkbox"/>	IB Motor Axial	0.00 in/h/sec	
<input type="checkbox"/>	OB Motor Temp	56 °F		<input type="checkbox"/>	IB Motor Temp	61 °F	
OB Pump				IB Pump			
<input type="checkbox"/>	OB Pump Horiz	0.00 in/h/sec		<input type="checkbox"/>	IB Pump Horiz	0.00 in/h/sec	
<input type="checkbox"/>	OB Pump Vert	0.00 in/h/sec		<input type="checkbox"/>	IB Pump Vert	0.00 in/h/sec	
<input type="checkbox"/>	OB Pump Axial	0.00 in/h/sec		<input type="checkbox"/>	IB Pump Axial	0.00 in/h/sec	

### Product Features:

- Free On-site Demonstration
- Accessible anywhere
- Early warning features
- Easy-To-Use Web Interface
- LAN or 3G configurations
- NEMA 4X & C1D2 Rated

