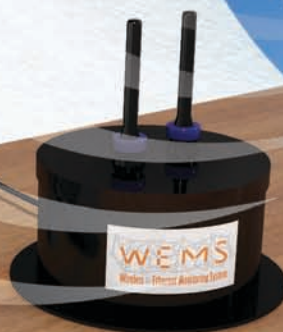
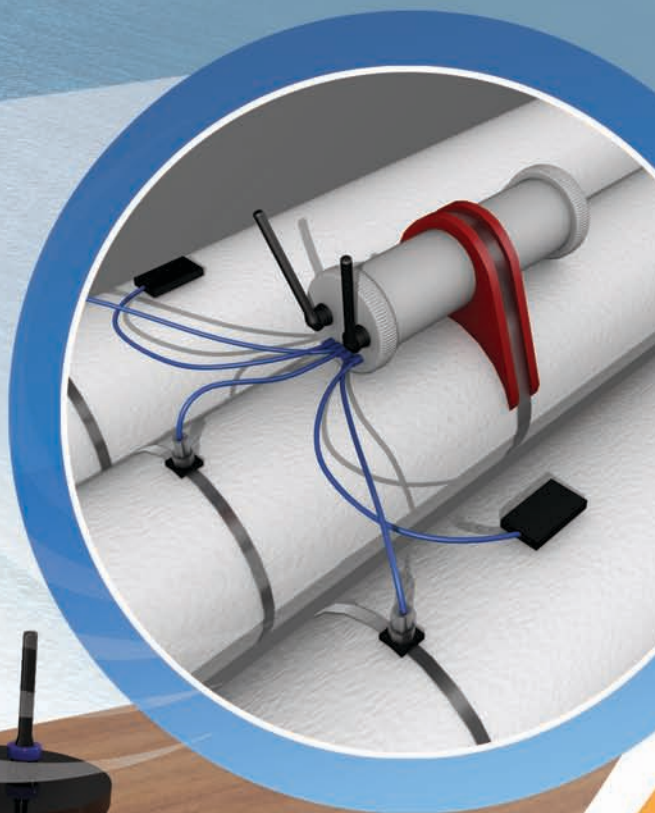
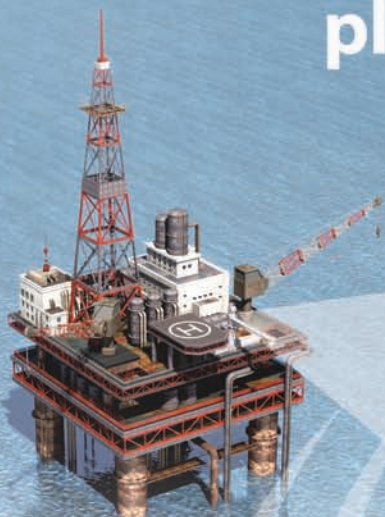


Monitor your global plant integrity

from anywhere in the world!



Remote Fitness for Service & Integrity Monitoring

This unique service combines our world leading Integri-Tech™ plant integrity - Fitness for Service (FFS) and WEMS™ Wireless monitoring technologies, to bring you another industry first, 'Remote Integrity & FFS Monitoring' that is comprehensive, quantitative, yet commercially viable on a large scale. In a completely automated and continuous process, plant integrity measurements are taken, mapped and FFS assessment carried out, providing you with remote visualisation of your plant integrity, FFS, remaining life, inspection and remedial action priorities. This process quantifies plant safety, integrity and FFS on a continuous basis!

This is NOT just another condition monitoring technology!

Integri-Tech™
Remote

WEMS
Wireless to Ethernet Monitoring System

Integri-Tech™ is a totally unique concept in monitoring and assessing plant integrity, fitness for service (FFS), remaining life RLA and inspection priorities for pressurised process plant. Unlike all other methods, the service generates continual, fully automated and accurate assessments of integrity and fitness for service, for the plant as a whole, including every weld and fitting, predicts times to failure, and specifies time requirements for inspection and remedial action.

The WEMS™ system is designed to wirelessly gather plant integrity data necessary for FFS assessments. It can be used as a stand-alone system or linked to Integri-Tech™. The WEMS™ Z wireless node is a Zone 1 safe data capture device, specifically designed to continually gather vibration, strain, FPSO motion, pressure, temperature, pulsation, load, flow, wall thickness and any other data required.

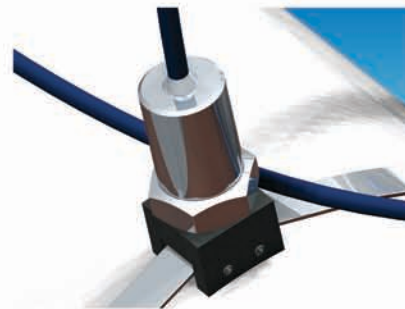
The integrity is then made visible on your secure Web Portal. This ensures the best possible basis for decisions on integrity damage mechanisms, degradation, continued plant operation, FFS, remaining life, inspection priorities whilst providing insurance and protection against shutdowns, financial loss and litigation.

What Integri-Tech™ Quantifies

- + If the plant is safe to operate & is it fit for service?
- + How long will it be safe for?
- + What is the Rate of damage accumulation?
- + What is the Rate of deterioration?
- + How, where & when will it fail?
- + Prescribes severity-based timescales for inspection, NDT and remedial action

Secure Web Portal Visualisation & Reporting

- + Access Information, Anytime, Anywhere
- + 3D Visualisation for Remaining Life & Inspection priorities
- + Standard or Custom Reporting to Meet Your Needs
- + Links with your AIM, CM, RBI Database systems



Multiple sensor applications



WEMS™ Network

The WEMS™ network follows a highly robust Mesh topology. This allows a single WEMS.E+ to talk to up to 254 nodes. Each node can act as a repeater allowing the WEMS.E+ to access WEMS.Z nodes beyond its normal transmission radius. Each WEMS.Z device can contain 7 sensors, thus giving access to a maximum of 1778 channels/sensors via a single WEMS.E+ device.

- + 2.4GHz Wireless Enabled
- + Mesh Network Coordinator
- + Power-Over-Ethernet (No external PSU required)
- + All weather resistant design

