



EXPRO

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EIRMS (Expro In-riser Monitoring System)

18th September 2018

Agenda



- Introduction
- EIRMS – Key Features
- Benefits
- Fatigue Monitoring Process



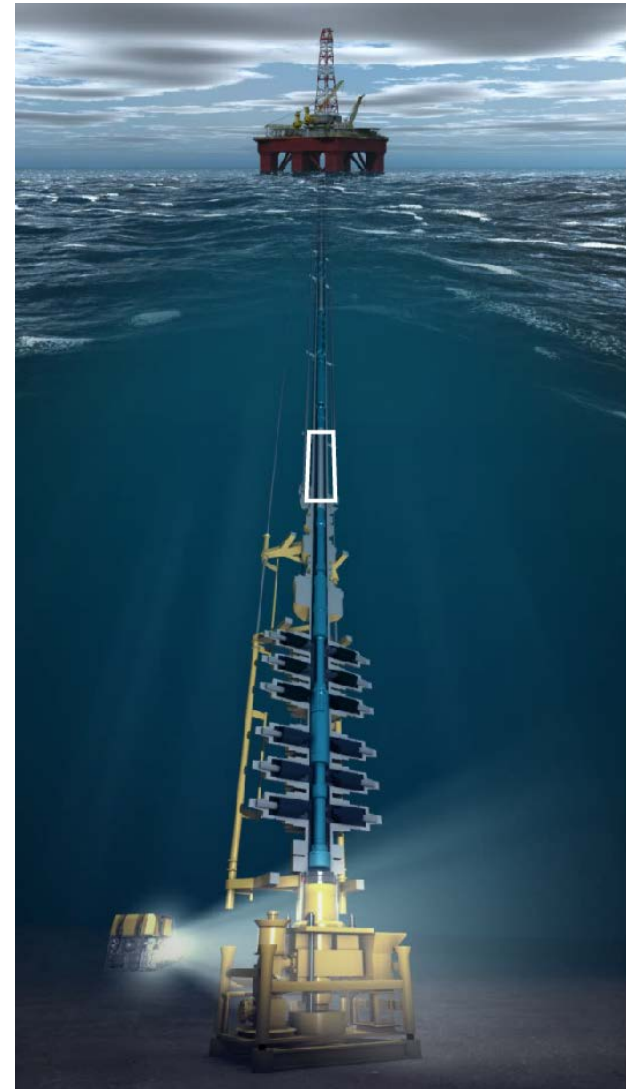


OPEN WATER



Recording tension, compression, plus annulus temperature and internal pressure.

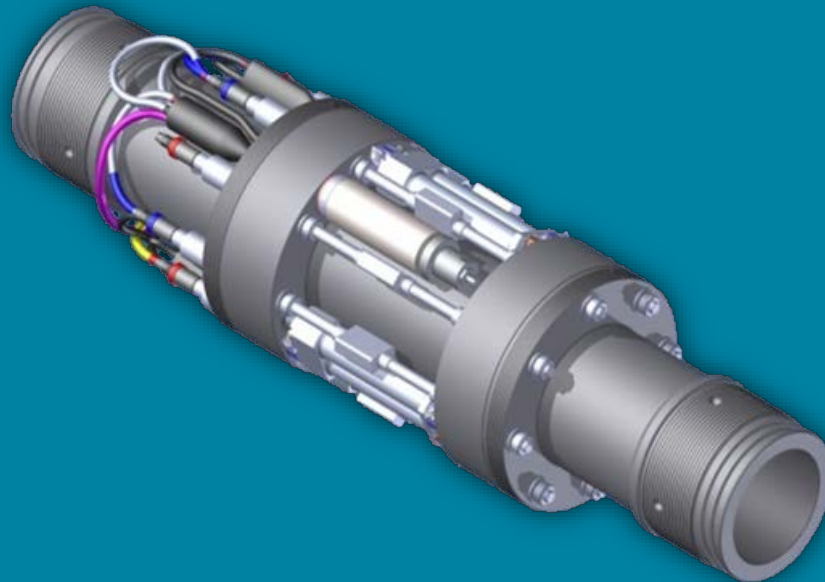
IN RISER





Key Features:

- ❖ Two independent systems monitoring the dynamic loading to ensure normal operating loads and potential accidental loads on the system are captured:
- ❖ Flexible design to allow monitoring annulus:
- ❖ 10,000psi, 15,000psi and 20,000 psi products available:
- ❖ 5 1/8", 6 1/8", 6 3/4" and 7 3/8" products:
- ❖ Accurate and robust local data (pressure & temperature) logging whilst subsea:
- ❖ Time stamped data available for download:
- ❖ Designed to operate subsea ≥ 25 days.



EIRMS - Benefits



Non evasive,
annulus monitoring
pressure /
temperature in
annulus

Monitor if accidental
event occurred to
point of failure
remodel GRA

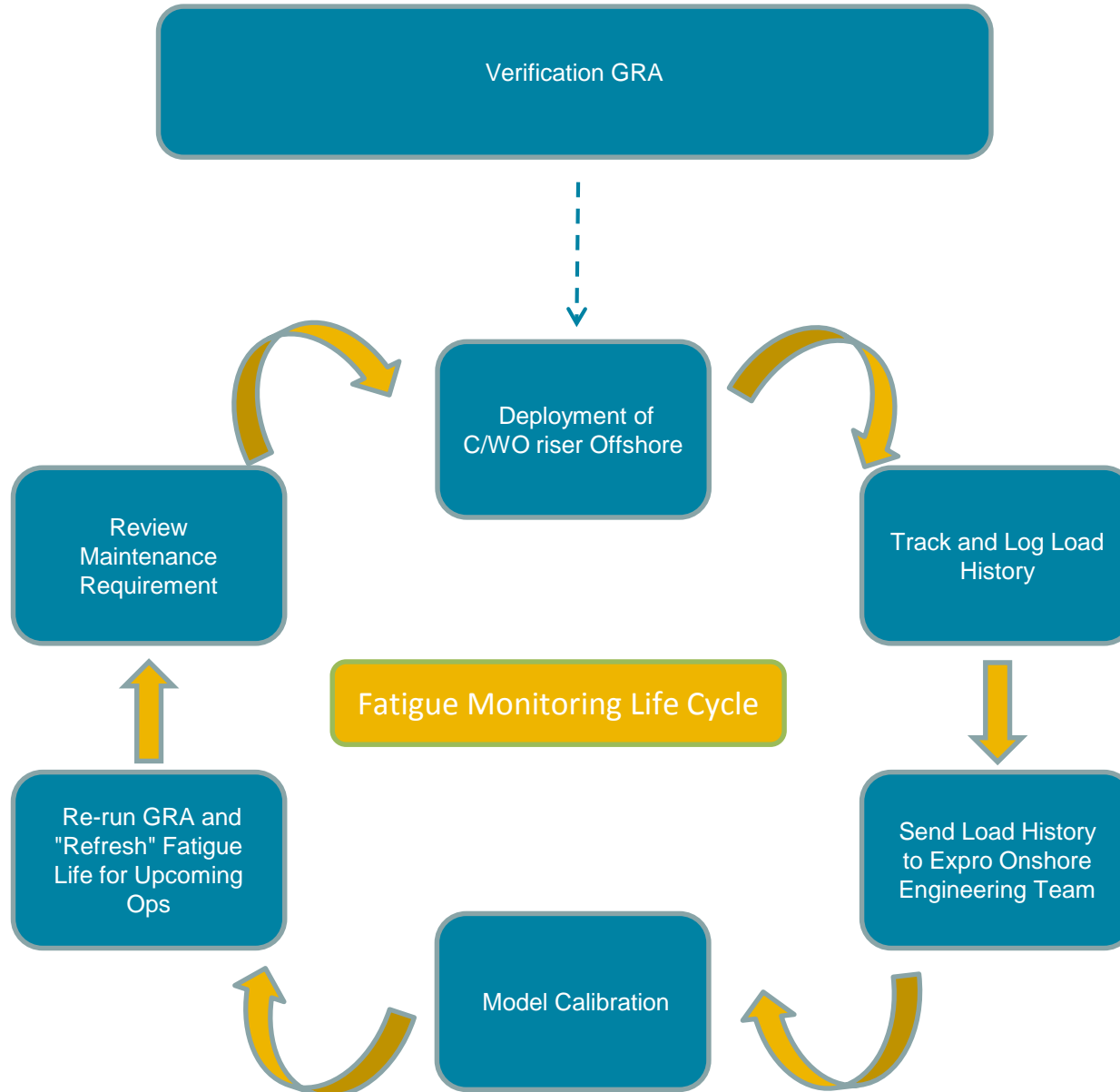


Record over pull,
compression and
bending applied
SSTTA and
completion
system (SSSV)

Validation /
Improvement of
GRA – increasing
operating window
fatigue life

Autonomous
system. No
cable

Fatigue Monitoring Process





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New Product Project Development Manager

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