## ConocoPhillips Belanak FPSO

**Maintenance & Reliability Optimization** 



Operator/ Client: ConocoPhillips Indonesia (COPI)

Project/ Location: Belanak FPSO, Natuna Sea, Indonesia Scope of Services: Maintenance & Reliability Optimization

## Belanak FPSO at a glance:

- •Floating Production Storage and Offloading facility (FPSO) producing:
  - 100,000 bbls/day of oil
  - 29,000 bbls/day of LPGs
  - 500 MMSCFD of gas
- World first FPSO based LPG plant
- •935 ft vessel stores up to 1 million barrels of oil













## **Maintenance and Reliability Optimization**



## Aramis scope of work:

- Develop specific Maintenance Strategy and Tactics:
  - Use OREDA methodology/database
  - Define common failures modes and effects
  - Define recommended maintenance tasks and frequency
- •Develop Standard Job Plans:
  - Define detailed maintenance activities, duration, resources, materials and special tools required
- Conduct a Criticality Study
- •Review, update and develop the Preventive Maintenance Program
- Improve Bill of Materials
- •Conduct information sessions for each offshore crew and each discipline:
  - Inform on the above activities and methodologies used
  - Present the main changes on PMs for "bad actors"
- Develop Service Books



