Subsea 7 offers an independent risk based Integrity Management service that supports operators of subsea assets to maintain their facilities at an optimum to achieve their business, statutory and corporate objectives.

Key elements include:

The Service:

- Dedicated experienced internal specialist resources
- Professional Risk based Integrity Management processes and tools
- Leveraging off Subsea 7’s knowledge and experience of subsea hardware, design, installation, inspection, maintenance and repair
- A complete stand alone service, independent of other Subsea 7 business lines or a seamless interface with other LOF suite of services depending on Client preference.

Implicit understanding of Clients Integrity needs allows Subsea 7 to:

- Input Integrity considerations into designs at an early stage
- Feedback, Assess and refine such design input following installation
- Refine our Pipeline survey, inspection methods and technology to optimise our service and maximise value to our customers.
Integrity Management Services

SERVICE OVERVIEW

Service Philosophy
Subsea 7’s involvement in the full spectrum from feed, design, installation, commissioning, inspection, maintenance and repair and decommissioning, is that we can input and feedback all elements of the Integrity Cycle throughout the Capex and Opex Phase.

Our inherent knowledge of subsea hardware gives us a unique advantage in being able to offer our customers insight into their in service performance, throughout the life cycle.

Our IM deliverables are therefore based on the following key elements:

- Pre-Operative Care - Integrity Management (IM) input through the design and construction phase.
  - Establishing an Asset Register
  - Applying a risk ranking of perceived failure mechanisms
  - Developing a plan to manage these threats
- Life Support - development and implementation of the integrity management plan including risk based anomaly assessment and management.
  - Managing the anomalies from the surveillance programs
  - Applying iterative revisions of the infrastructure risk assessments
  - Reporting and database management through existing or new Databases and GIS Portals
- Post Operative care - involving field life extension through to decommissioning.
  - Assessment of future duty requirements
  - Advise and aid decisions on asset usage, extension and/or decommissioning

Application
Our service is directed at subsea infrastructure, including but not limited to Risers, Flowlines, pipelines, umbilicals, structures including control systems within the offshore Oil & Gas and Renewable Energy sectors.

Resources
- Dedicated team with Integrity Engineers / Corrosion and Chemical Engineers / Controls Engineers / Pigging / Integrity Engineers / Pipeline Specialists / Inspection Specialists / Data & GIS Specialists.
- Full Project Management and Integrity Management teams.

Systems and Tools
- Fully audited processes and systems. Ability to conform to all National and Global Integrity and Life Extension Standards and Guidelines.
- Anomaly Management systems and Databases, embedded in GIS Web based systems if required.

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