



ADVANCED ENGINEERING FOR SUBSEA INTEGRITY MANAGEMENT

MCS has an international track record for delivering integrity management and operations integrity support for risers and subsea field systems.

Through several JIPs and industry initiatives, MCS has been responsible for industry guidelines and codes advancing the technology of subsea integrity management.

Our life-cycle management of assets enables clients to optimize integrity spending and assist asset life-extension through risk-related IM spending.

MCS provides integrated solutions to integrity problems, managing 3rd party interfaces to provide quality inspection and monitoring, develop IM solutions and delivering the remedial actions required to manage asset integrity.

SERVICE

- Development of risk assessments, detailed inspection strategies, monitoring criteria and anomaly limits
- Optimize subsea inspection costs and offshore mobilizations through integrated vessel and subsea field system integrity management.
- Maximize the service life of existing assets
- Technical review of monitored data
- Operational Support to Technical Authorities (including secondment)
- Failure Analysis & Investigation
- Monitored / operational data management, analysis and archiving.
- Inspection Delivery providing project management from 3rd party contractor control to solution implementation.
- Annulus testing of flexible pipe
- Advice and analysis through the complete asset lifecycle from feed, manufacture, installation and operation to end of life.
- Manage risk to life, environment and production
- Maximize cost benefit and justify spending

KEY PROJECTS

- **Industry Initiatives**
 - Flexible Pipe Integrity Management JIP
 - SCR Integrity Management (SCRIM) JIP
 - API Specs 17J, 17K, 17L and API RP17B JIPs
 - UKOOA and UK HSE IM Guidelines
- **North Sea**
 - BP
 - SLP
 - Shell Expro
 - Talisman
 - ExxonMobil
 - Kerr McGee

WoS Assets, S. Everest
MacCulloch
Multiple Fields
North Sea Assets
Norwegian Assets
Gryphon
- **Gulf of Mexico**
 - Chevron
 - BHP
 - BP
 - Chevron

Tahiti, Typhoon
Boris
Marlin
Genesis Spar
- **Australia**
 - Woodside

Cossack FPSO
- **Brazil**
 - Shell

Fluminense
- **West Africa**
 - ExxonMobil
 - Shell

Zafiro
Bonga