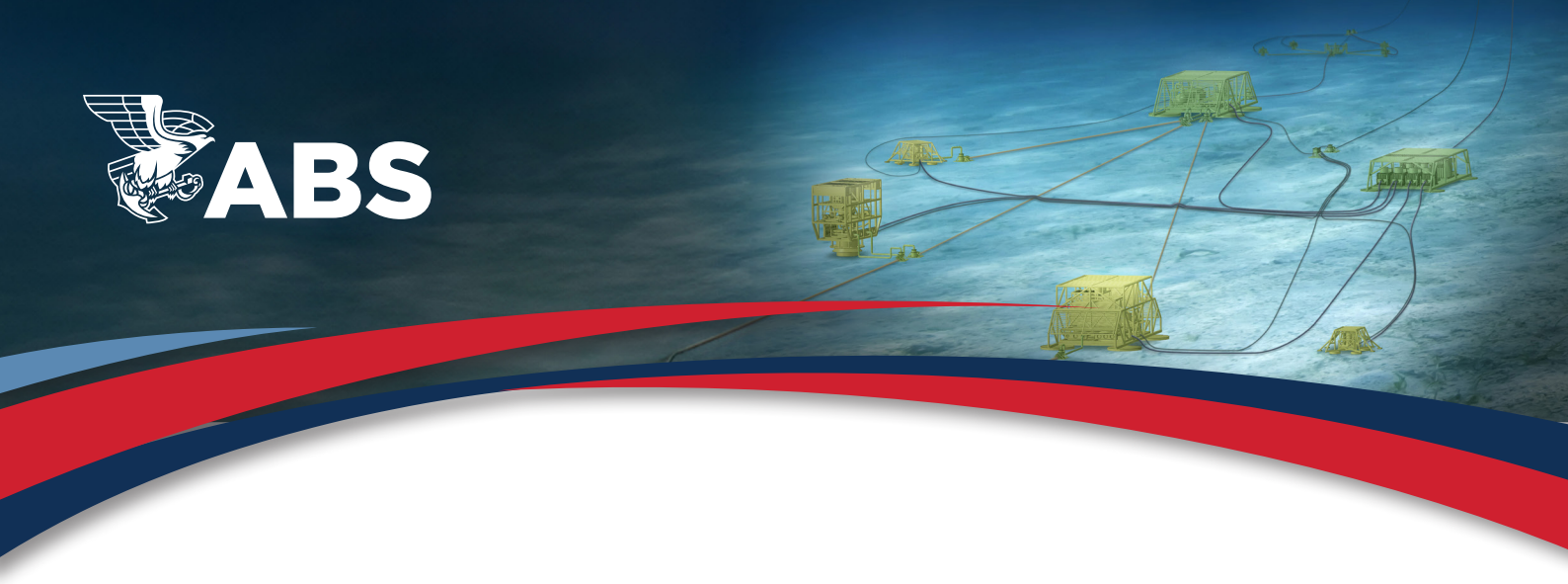

ABS SUBSEA INDEPENDENT THIRD-PARTY SOLUTIONS

Enhancing integrity and compliance in your subsea operations

Preserving incident-free operations requires objective verification and validation sustained throughout all stages of project development from design to operation and beyond. The U.S. Bureau of Safety and Environmental Enforcement (BSEE) requires Independent Third-Party (I3P) and Certified Verification Agent (CVA) review for design, fabrication and installation phases of offshore projects.. Using our industry-recognized technical leadership and competence, we work alongside operators, subsea equipment manufacturers and industry stakeholders to provide subsea equipment verification services.

EQUIPMENT VERIFICATION

All newly built and existing vessel-riser systems planning for modifications or repairs require CVA activity. ABS serves as a CVA for riser design, fabrication and installation as well as an I3P for high pressure, high temperature (HP/HT) systems.

At ABS we have the tools and experience to guide you through all phases of subsea equipment verification.

DESIGN

- Publication of 11 guidance notes and rules for subsea equipment
- Participation in API Integrity Management Standards task groups for risers and subsea equipment
- Comprehension of BSEE and U.S. Coast Guard approval processes
- Experience in vessel life extension services – extended to cover interface equipment
- Experience in riser strength and fatigue check cases using OrcaFlex*
- Ongoing I3P HP/HT equipment qualification projects:
  - Well control equipment
  - Completion and workover equipment

FABRICATION AND INSTALLATION

- Global support of surveyors/inspectors.
- Specialized safety-trained surveyors/inspector for Gulf of Mexico ports
- Digital platform to communicate recorded and tracked survey and inspection data
- Experience in surveying and monitoring subsea equipment fabrication
- Experience in OrcaFlex riser, pipeline and subsea equipment installation check cases

RULES AND GUIDES

ABS has developed Rules and Guides specific to subsea systems and equipment. These Rules and Guides provide equipment and systems classification, verification and validation benchmarked against industry codes and standards.

Guide for the Classification and Certification of Subsea Production Systems, Equipment and Components

- Guide for Building and Classing Subsea Riser Systems
- Guidance Notes on Subsea Hybrid Riser Systems
- Guide for Building and Classing Subsea Pipeline Systems
- Guide for Surveys using Risk-Based Inspection for the Offshore Industry

For a complete list of our publications, **visit www.eagle.org**

For additional information on ABS Subsea services, please contact us at **GlobalOffshore@eagle.org**

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