Application of Remote Real-Time Monitoring to Offshore Oil and Gas Operations:

RRTM Technologies and Best Practices

Donald L. Paul

Executive Director of the USC Energy Institute
Professor of Engineering
William M. Keck Chair of Energy Resources
Context for the Findings and Recommendations
Context for the Findings and Recommendations

• State of the industry
Context for the Findings and Recommendations

• State of the industry
• Digital leverage and smart oilfields
Context for the Findings and Recommendations

- State of the Industry
- Digital leverage and Smart Oilfields
- Impacts of Complexity
Context for the Findings and Recommendations

• State of the industry
• Digital leverage and smart oilfields
• Impacts of complexity
• Human and organizational capabilities
Context for the Findings and Recommendations

• State of the industry
• Digital leverage and smart oilfields
• Impacts of complexity
• Human and organizational capabilities
• Cyber-physical security