

# Loss of Production, Increased Risks and HES

## Risks in West Africa Offshore

CASE STUDY

### Client Challenge:

Enable Remote Management and Measurement of Field Equipment

### Situation:

- Existing equipment approaching End-Of-Life with limited remote management and throughput
- Offshore network uptime impacted by environmental factors, resulting in loss of production
- Harsh operating environment placed a premium on uptime as a result of distributed business processes
- VSAT contracts expiring within 6 months

### Engagement:

- Assess current landscape including applications, data and uptime requirements, along with technical solutions to replace legacy VSAT
- Review existing VSAT contract to understand pricing impacts
- Develop and present business case to country management containing various options, and provide recommendation
- Work with local team to design, manage and implement new field acquisition network based on business requirements

### Results:

- Developed business case to save \$1M annually in telecom spend
- Designed and deployed network field acquisition microwave network to provide necessary connectivity for Allen Bradley upgrade
- Incorporated new security standards into design, resulting in asset moving to the forefront in advanced security protection
- Expanded VSAT backbone to production and FPSO platforms to support advanced reporting offshore via real-time data
- Provided roadmap to eliminate VSAT based on future in-country economic development via land based microwave solution
- Managed implementation of other aspects of the asset, including migration to O365, upgrade of PBX to IP and license rationalization

