CASE STUDY

PRINOS ARE DEVELOPMENT

amda NUI Facility

ODE acted as Topsides FEED designer for this NUI facility in the Aegean Sea. The proposed Lamda platform was designed to further develop and support existing facilities within Energean's Prinos Area and the associated Epsilon field.

Project Name Prinos Lamda NUI Facility
Client Energean
Location Aegean Sea
Date June 2015 - Ongoing
The single jacket facility was desig

I ne single jacket facility was designed to function as an NUI and operate remotely under all weather conditions. The minimal facilities was required to safely control production and to enable drilling and further well interventions.

A key feature of the Technical Safety FEED deliverables was the consideration of the toxic gas effects from H2S present in the production streams (ranging from 1.69 to 7.31% vol). Output from various technical safety studies (Toxic Gas Dispersion, EERA and QRA studies) supported the provision of safety systems specific to H2S hazards – i.e. H2S detection and provision of a cascade air system, in addition to H2S specific personnel protection for the various visitor working groups (BA sets

etc).

ODE's Tech Safety scope included the following studies and engineering deliverables:

- Dropped Object Study
- Fire & Explosion Hazard Assessment Smoke & Gas Dispersion
- Flaring and Venting Review
- Toxic Gas Dispersion Study
- Noise & Vibration Report
- Waste, Emissions Discharge Report
- Firewater Study Report



IRPA Contribution for Worker Group 2 (Mechanical Maintenance)

- Escape Evacuation & Rescue Analysis
- ALARP Report
- RAM Analysis
- Quantitative Risk Assessment
- Hydraulic Analysis Report
- Performance Standards
- Lamda Bow Tie Analysis
- Safety Equipment Schedule
- Passive Fire Protection Schedule
- Maintenance Vent Sizing Technical Note
- Technical Supplement to Performance Standard
- Hazardous Area Classification Drawings
- Fire & Gas Detection / Fire Zone Drawings
- Safety Equipment & Escape Route Layout Drawings



T: +44 (0)20 8481 1190 F: +44 (0)20 8546 4346 bd@ode-ltd.co.uk www.ode-ltd.co.uk



