



Company Brochure



Supporting Our Clients Needs

Provider of Risk, Safety, Environmental and Reliability Services



Company Profile

Monaco Engineering Solutions (MES) is an international consultancy group offering Risk, Safety, Environmental and Reliability Engineering Services.

Our People

MES presents a growing team of international consultants based across our office locations.

Our consultants are:

- Predominantly degree qualified and professionally accredited.
- Highly motivated to excel when presented with new challenges.
- Flexible and able to integrate within client environments.
- Carefully selected to each project assignment based on experience, skills and specific client requirements.

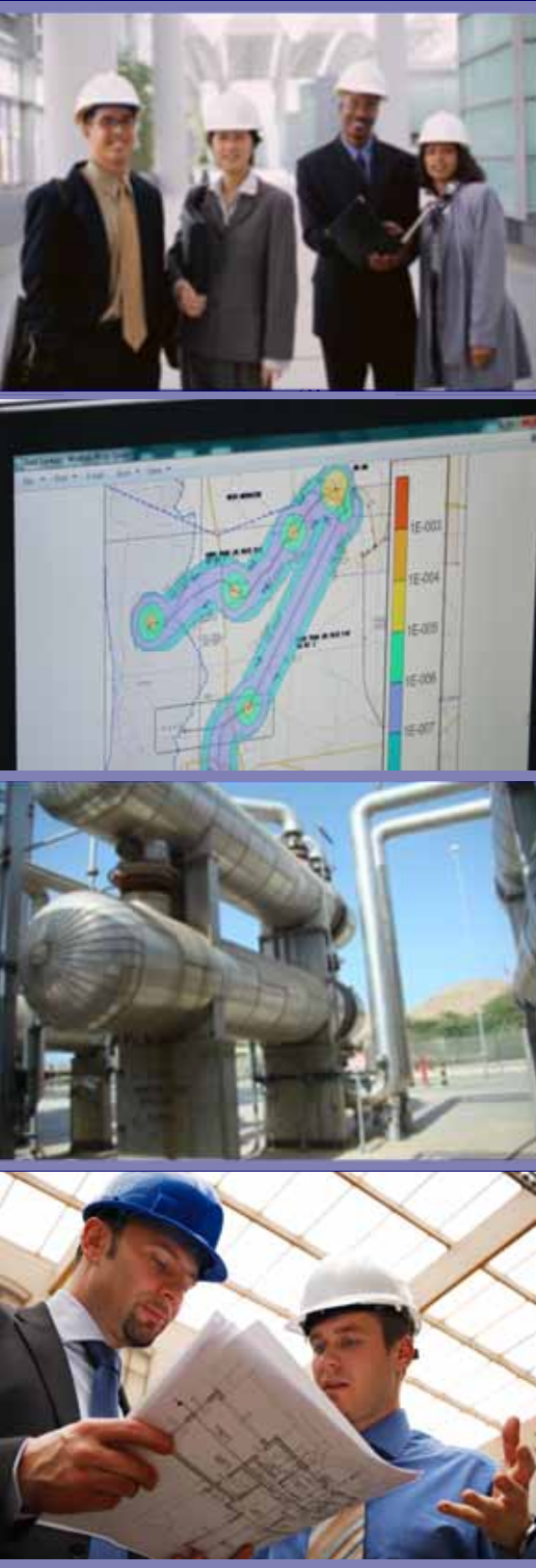
Services

Risk Management

- Fire and Explosion Risk Assessments
- Quantitative Risk Assessment (QRA)
- Dropped Objects Risk Analysis
- Blowout Risk and Subsea Release Risk Assessments
- Transportation Risk Assessment
- Emergency Systems Survivability Analysis (ESSA)
- Emergency Evacuation & Rescue Analysis (EERA)
- Risk Assessment to support ALARP Demonstration
- Temporary Refuge Impairment Risk
- Cost Benefit Analysis

Safety Engineering

- Study Facilitation (HAZOP, HAZID, LOPA, BOWTIE, ENVID, HRA)
- Fire Protection (Active/Passive) Design
- Firewater System Design
- Blowdown/Flare Studies
- Fire and Gas Mapping
- Hazardous Area Classification



Environmental Engineering

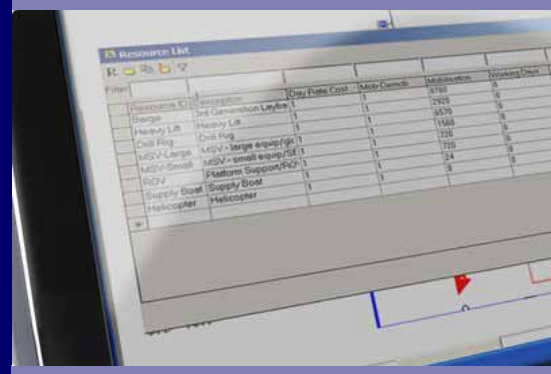
- Baseline Environmental Studies and Reports
- HSEIA and COMAH Reports
- Environmental engineering in Design Projects
- Environmental Impact Assessment / Environmental Risk Studies
- Legislative Compliance Reviews and Preparation of Registers



Reliability Engineering

MES utilises an in-house reliability tool - *PLASMA* - which has been implemented for more than 15 years in the Oil & Gas Industry. The software is used to execute reliability studies:

- Reliability Availability Maintainability (RAM)
- Risk Based Inspection (RBI)
- Reliability Centered Maintenance (RCM)
- Safety Integrity Level (SIL) Assessments
- Failure Modes Effects and Criticality Analysis (FMECA)



The screenshot shows a software interface with a table of data. The table has a header row with 'Item', 'Description', 'Qty', 'Unit', 'Cost', 'Value', and 'Total'. The rows contain various items and their associated data. The table is titled 'Resource List'.

Item	Description	Qty	Unit	Cost	Value	Total
1	1st Commissioning Layer	1			2400	2400
2	2nd Commissioning Layer	1			1600	1600
3	3rd Commissioning Layer	1			1600	1600
4	4th Commissioning Layer	1			1600	1600
5	5th Commissioning Layer	1			1600	1600
6	6th Commissioning Layer	1			1600	1600
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9	9th Commissioning Layer	1			1600	1600
10	10th Commissioning Layer	1			1600	1600
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23	23rd Commissioning Layer	1			1600	1600
24	24th Commissioning Layer	1			1600	1600
25	25th Commissioning Layer	1			1600	1600
26	26th Commissioning Layer	1			1600	1600
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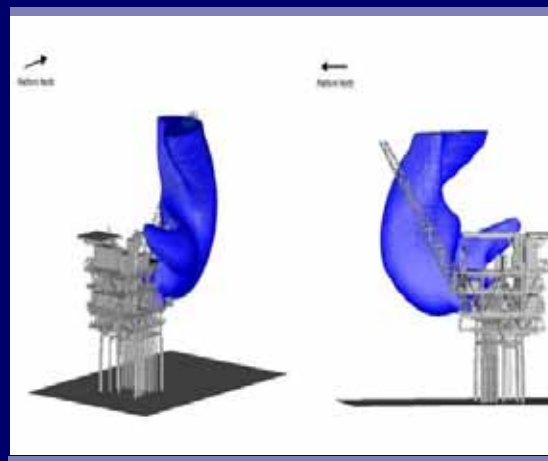
Client Management Support

- Technical Authoring (Developing Safety Cases, COMAH Reports, HSEIA and Performance Standards)
- Technical Assurance (Design Verification, Audit and Review and acting as Client Engineers)

External Services

MES provides “source and manage” service for specialist study requirements where these skills are not retained in-house. Support areas include:

- CFD for Gas Dispersion and Explosion Analysis
- Noise and Vibration Studies
- Occupational Hygiene Assessments



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