



Objectives of HSE Impact Assessment Case

- To demonstrate that the prevention plan for Major Accident and HSE Management System are inline and put into effect.



- To demonstrate that the safety & health hazards and environmental impacts are identified, recorded, assessed.

- To demonstrate that the environmental impacts and risks are managed.



- Suitable measures have been identified and the critical equipment, systems and activities are in place.

- To demonstrate that the on-site and off-site emergency plan is prepared.



- To demonstrate ALARP for the hazards from the project activities.

- To safeguard life, property, environment & business.

Front End
Engineering &
Design

Engineering &
Construction

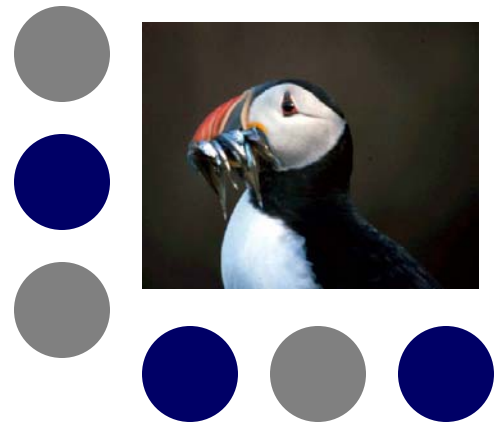
Operation,
Maintenance &
Modification

Decommissioning



HSE Impact Assessment Studies

- HAZID & ENVID
- HSE Register
- Bow tie Analysis
- Control of Major Accident Hazards
- Quantitative Risk Assessment
- Risk Management Studies
- Review of On-site & Off-site Emergency Plan
- Environmental Impact Assessment Statement
- Environmental Management Plan / Monitoring Plan
- Waste Management Plan
- Occupational Health Risk Assessment
- Review of HSE Management System
- Identification of HSE Critical Equipment & Systems
- Demonstration of ALARP
- HSE Tracking Register and Action Plan



Selected References

- HSEIA for Inter Refinery Pipelines Project, Takreer, UAE
 - CIMAH for Petronas LNG Storage Terminal, Malaysia
- Risk Management for Huwaila Field Development, ADCO
 - Pipeline Risk Assessment, Qatar Petroleum
 - Kakinada Subsea Pipeline, Reliance, India
- HSE Identification for Margham Development, Dubai

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