



Bell Energy Profile

Contents

- Mission & Vision Statement
- Core Values
- What we offer

- **Vision**

To become market leader in our industry in the chosen field on Energy, Health, Safety & Environment by providing economic and diversified solutions and retaining our customers as “long term partners in progress”

- **Mission**

To provide economic and diversified solutions to our customers in the field of Energy, Health, Safety & Environment by managing their assets and ensuring continuous improvement, risk reduction, performance enhancement and thereby safeguarding life, property, reputation and environment.

To develop into a company which is dedicated, honest, impartial and self sustainable in the chosen field of Energy, Health, Safety & Environment.

- **About Bell Energy**

Bell Energy is one of the leading solution providers in the fields of Energy, Health, Safety & Environment for Oil & Gas, Petrochemicals, Process, Pharmaceuticals & Power Industries. Bell Energy has been providing services in US, Europe and Asia including Middle East.

Bell Energy delivers solutions through its dedicated team of experts qualified and experienced in working on major projects Internationally.

Bell Energy operations are managed by a system called “Paradigm”. “Paradigm” is a software that controls all the business processes within Bell Energy. “Paradigm” is designed to adhere to the core values of Bell Energy and strives for continuous improvement. “Paradigm” manages Customer Relationship, Investor & Shareholder Relationship, Employee Relationship, Project Management System, Sales Management System, HSE Management System, Complains & Support Management etc.

Core Values

We Believe That Our First Responsibility Is To Our Customers And All Those Who Use Our Products And Services.

We Must Always Produce Products And Provide Services Of The Highest Quality And Exceed Customer Expectations.

We Respect Our Responsibility To Those Who Work With Us. They Must Have A Sense Of Security In Their Jobs And Scope For Personal Growth.

Wages Must Be Fair, Adequate And Rewards Based On Merit.

Management Just And Fair Minded. Respect For Individual Initiative And Tolerance For Honest Mistakes.

We Must Practice Honest Integrity And Ethics In All Aspects Of Business.

We Recognize Our Responsibility Towards Our Shareholders.

We Consider Making Sound Profits After Paying All Taxes And Providing For Investments To Secure Future As Necessary Means For Growth & Retaining Leadership Position.

C.G. Kulkarni

Managing Director

Bell Engineering Software Technologists Ltd. Pune

We Are A Good Little Company, We Must Become A Good Big Company



What we offer

Contents

- HSE Services
- Risk Management Services
- Environmental Management Services

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

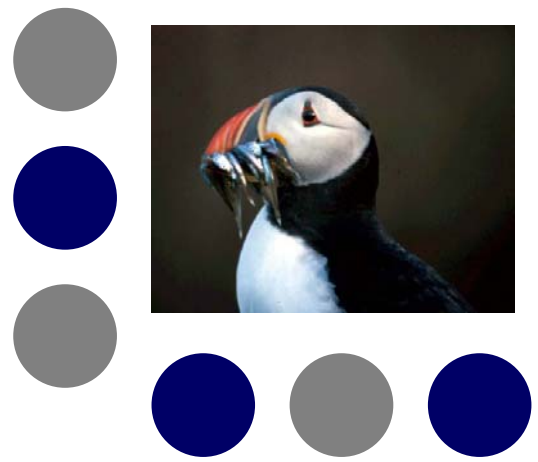
Operation,
Maintenance &
Modification

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

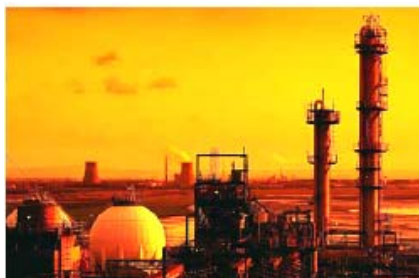


Selected References

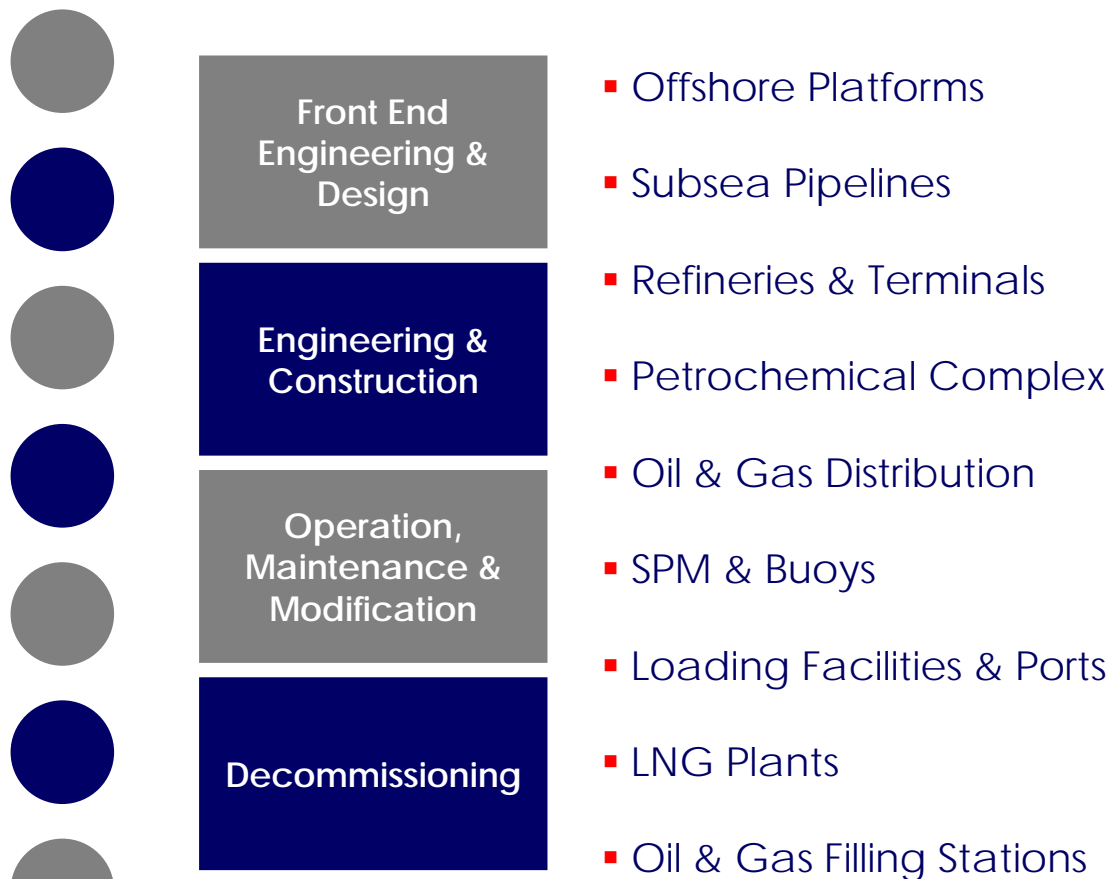
- HSEIA for Inter Refinery Pipelines Project, Takreer, UAE
 - CIMAH for Petronas LNG Storage Terminal, Malaysia
- Risk Management for Huwaila Field Development, ADCO
 - Pipeline Risk Assessment, Qatar Petroleum
 - Kakinada Subsea Pipeline, Reliance, India
- HSE Identification for Margham Development,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

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A HSE case demands that all hazards with the potential to cause a major accident be identified, recorded and assessed for its risk to people, environment and business.



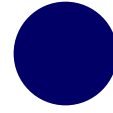
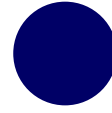
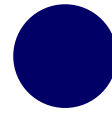
Selected References

- Inter-Refinery Pipelines Project, Takreer, UAE
- Replacement of ESD, KOC, Kuwait
- Huwaila Field Development, ADCO
- Gasco – Alain Pipeline, Gasco, UAE
- Pipeline Risk Assessment, Qatar Petroleum
- Petronas LNG Terminal, Malaysia
- Kakinada Subsea Pipeline, Reliance, India
- Hotel Crown Plaza, Oman
- International Power Tower, Gulf Jyoti, UAE



Oil & Gas Risk Management Studies

- Safety Case, COMAH & HSEIA
- Quantitative Risk Assessment
- Environmental Risk Assessment
- Pipeline Risk Assessment
- Hazard Identification
- Bow Ties
- HAZOPs
- Audits
- Safety Integrity Levels (Classification & Verification)
- Line of Defense Assessment & LOPA
- Fault Trees & Event Trees
- Reliability, Availability & Maintainability Study
- Reliability Centered Maintenance
- Emergency Planning
- Flammable / Toxic Gas Dispersion Analysis
- Fire & Explosion Analysis
- Emergency Systems Survivability Assessment
- Escape, Evacuation & Rescue Analysis
- Temporary Refuge Impairment Assessment
- ALARP Demonstration
- Safety Management System



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Environmental Management is a core responsibility of every business. This responsibility abides irrespective of its size, type and sector.

Sectors

- Industries
- Oil & Gas
- Buildings and Construction
- Transportation
- Nuclear

Environmental Impact Assessment

Environmental Site Assessment

Environmental Risk Assessment

Ecological Risk Assessment

Environmental Audits

Air Quality

Water Quality

Soil Quality

Sound & Noise

Socio Economic



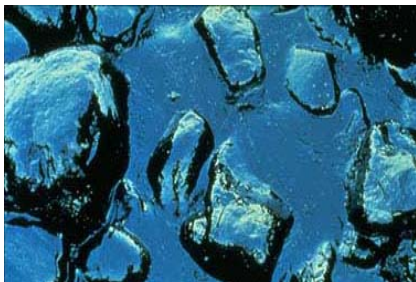


Air Emissions

- Air Quality Monitoring
- Air Dispersion Modeling
- Dust Management
- Air Pollution Prevention & Control

Waste Management

- Waste Management Plans
- Landfill Control & Monitoring
- Waste Classification
- Recycle Management



Soil & Groundwater

- Oil Spill Modeling
- Fate – Transport Modeling
- Environmental Site Assessment
- Geotechnical Surveys

Waste Water

- Water Quality Monitoring
- Pollution Assessment
- Fate – Transport Modeling
- Dispersion Modeling



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