

Integrated Process Solutions Sdn Bhd is the only boutique engineering consultancy providing services in process, process safety, human factors and subsea & pipeline engineering. Providing proven quality and reliable services, through timeliness, competitive cost, and dedicated experienced personnel, are our fundamentals in ensuring YOU having peace of mind. **YOUR success is our business.**

OUR SERVICES

Facilities Engineering Support

- Feasibility Studies
- Field Development Plans (FDP)
- Concept Select
- Front End Engineering Design (FEED)
- Detailed Design

Subsea Umbilicals, Risers and Flowlines (SURF)

- Subsea Engineering
- Pipeline Engineering

Specialized Studies

- Flow Assurance (Transient/ Steady State)
- Process Simulation (Dynamic/ Steady State)
- Acoustic/ Flow Induced Vibration Study (AIV/ FIV)
- Noise Mapping
- Fire and Gas Mapping
- Flare/ Vent (Radiation/ Dispersion Analysis including Deflagration Studies)
- Fire and Explosion Modelling (2D and 3D)
- Computational Fluid Dynamics (CFD)
- Corrosion and Material Selection Studies (including CMP, CDBM)
- Reliability, Availability and Maintainability (RAM) Studies

Training

- HAZOP Leader Training
- Introduction to P&ID
- Introduction to Process Equipment Sizing (Offshore)
- Human Factors Engineering (HFE) Awareness Training

Safety & Risk

- HSE Design and Safety Case
- Quantitative Risk Assessment (QRA)
- Formal Safety Assessment (FSA) Studies
 - Fire and Explosion Risk Assessment (FERA)
 - Escape, Evacuation and Rescue Assessment (EERA)
 - Emergency Survivability System Assessment (ESSA)
 - Temporary Refuge Impairment Analysis (TRIA)
 - Dropped Object Analysis
 - Safety Critical Elements & Performance Standards (SCE & PS)
- Loss Prevention Studies
 - Fire Water Demand and Hydraulic Analysis (including Surge Analysis)
 - Hazardous Area Classification (Drawings and Schedules)
 - Safety Layouts and Drawings
 - Safety Equipment Datasheets and Specifications
- HSE Philosophies
- Hazard and Operability (HAZOP) Study
- Hazard Identification (HAZID) Study
- Safety Integrity Level (SIL/IPF) Classification & Verification
- Electrical Safety and Operability (ELSOR/SAFOP/EHAZOP)
- Human Factors Engineering (HFE) Study
- Health Risk Assessment (HRA)
- Constructability Review
- Process Safety Audits

Operational Services

- Operating Procedure Manuals (OPM)
- Detailed Operating Procedures (OP)

EXPERIENCED • RESOURCEFUL • TIMELINESS

INTEGRATED PROCESS SOLUTIONS SDN BHD (735168-A)

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