



Integrated Process Solutions Sdn Bhd is the only boutique engineering company focusing on process engineering and process safety serving oil & gas industries in Malaysia. 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

ONSHORE AND OFFSHORE FACILITIES

FACILITIES ENGINEERING

- Feasibility Studies
- Field Development Plans
- Conceptual Design
- Front End Engineering Design
- Value Engineering
- Manning Level Optimization

SAFETY & RISK

- Quantitative Risk Assessment (QRA)
- Health Risk Assessment (HRA)
- Journey Risk Assessment (JRA)
- HSE Design and Safety Case
- Escape, Evacuation and Rescue Assessment (EERA)
- Emergency Survivability System Assessment (ESSA)
- Temporary Refuge Impairment Analysis (TRIA)
- Dropped Object Analysis
- Fire & Explosion Risk Assessment (FERA)
- Hazard Identification (HAZID) Study
- Hazard and Operability (HAZOP) Study
- Safety Integrity Level (SIL/IPF) Classification & Verification
- Safety Philosophies
- Process Safety Audits
- Human Factor Engineering (HFE) Study

ELECTRICAL AND INSTRUMENTATION

- Load Flow Analysis
- Short Circuit Analysis
- Relay Co-ordination Study
- ELSOR / SAFOP

SPECIALIZED STUDIES

- Flow Assurance (Transient / Steady State)
- Process Simulation (Dynamic / Steady State)
- Pipe Surge Analysis
- Acoustic / Flow Induced Vibration Study (AIV/FIV)
- Noise Mapping
- Fire and Gas Mapping
- Flare and Radiation Analysis
- Vent and Dispersion Analysis
- Thermal Plume Analysis
- Fire and Explosion Modelling (2D and 3D)
- Computational Fluid Dynamics (CFD)
- Corrosion Studies and Material Selection
- Corrosion Management Plans (CMP)
- Corrosion Design Basis Memorandum (CDBM)

OPERATIONS

- Operational Issues and Troubleshooting
- Process Facilities Debottlenecking, Facilities/ Controls Optimization, Analysis and Verification
- Reliability, Availability and Maintainability (RAM) Study
- Operating Procedure Manuals (OPM)
- Detailed Operating Procedures (OP)
- Pre-Commissioning Procedures
- Commissioning Procedures
- De-commissioning Procedures



KAMAL HADANY, *Principal Engineer cum Managing Director*

A practising process engineer, has over 28 years of experience in management, process design, and operation of upstream and downstream oil & gas facilities.

Ir. MOHD RAFAEL, *Principal Engineer cum Executive Director of Operations*

A professional process engineer, has 28 years of experience in engineering management and process design of oil & gas facilities.



EXPERIENCE • RESOURCEFUL • TIMELINESS

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