



HUMAN RESILIENCE ASSOCIATES



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**We Engineer  
resilience in design  
for better outcomes  
in health, safety and  
productivity for YOU.**





**HUMAN RESILIENCE  
ASSOCIATES**

# ABOUT US

Welcome to Human Resilience Associates! Established in 2023, our goal is to provide Result-Centric, Time-Efficient solutions that enhance health, safety and productivity. We specialize in human factors and asset integrity consultancy across energy, resources and general industries, and take pride in our ability to engineer resilience into every design.

Our culture of agility, fit-for-purpose solutions, and unwavering commitment to Result-Centric, Time-Efficient (RTEC) excellence has led to significant milestones and achievements. We believe in close collaboration with our clients, making their goals our own, and working together towards collective success.

Moving forward, our aim is to become the leading independent consultancy in the region, setting new standards for innovation and excellence. We invite you to join us on this excited adventure, where RTEC solutions meet a vision for a safer, more productive future. Choose Human Resilience Associates for extraordinary solutions, where innovation and collaboration converge to pave the way for success in health, safety and productivity

# OUR ENGINEERING SERVICES

We are happy to collaborate with some of the most successful firms in their respective industries, and we strive to build long-term relationships with our clients. Delivering high-quality work and proactive, value-for-money service is essential to our growth strategy. We are determined to be recognized as leaders.

## **Our focused domains:**

- Human Factors
- Process Safety Management (PSM)
- Asset Integrity
- Bespoke Solutions





# HUMAN FACTORS

HFE focuses on optimizing interactions between people, systems, and processes to enhance safety, performance, and usability in complex operations.

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## List of Studies:

- HF Integration Support
- HF Plan & Specification Development
- Valve Criticality Analysis
- Training Needs Analysis
- HFE 3D Model Verification
- Safety Critical Task Analysis
- Operability & Maintainability Workshops
- HFE Vendor Package Review
- Health Risk Assessment
- Manning Assessment
- Task & Link Analysis
- Ergonomic Study - Control Room
- HFE Targeted Reviews (e.g. ladder, stretcher accessibility)
- HMI & Alarm System Review
- HFE Construction Verification
- Operation Procedures Development
- HF In Construction and HUC



# PROCESS SAFETY MANAGEMENT

PSM is a systematic approach that focuses on preventing hazardous incidents by identifying, assessing, and controlling risks to prevent hazardous incidents, ensuring safety, reliability and regulatory compliance.

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## List of Studies:

- Hazard Identification and Risk Assessment (HAZID)
- Hazard and Operability studies (HAZOPs)
- Fire & Explosion Risk Analysis (FERA – 2D/3D Approach)
- Quantitative Risk Assessment (QRA)
- Evacuation, Escape and Rescue Analysis (EERA)
- Emergency Systems Survivability Assessment (ESSA)
- Temporary Refuge Impairment Analysis (TRIA)
- Smoke and Gas Ingress Analysis (SGIA)
- ALARP Demonstration
- Dropped Objects Analysis
- Simultaneous Operations (SIMOPS) Reviews
- Development of Safety Case (Onshore/Offshore/Ship Vessel – FPSO / FSO)
- Gas Dispersion (3D Modelling)
- Flare Radiation Study
- Health Risk Assessment (HRA)
- Bow-Tie Assessment
- Safety Critical Element & Performance Standards (SCE &PS)
- PSM Assurance
- Emergency Response Plan (ERP)
- Matrix of Permitted Operations (MOPO)
- Hazardous Area Classification
- Safety Integrity Level (SIL) Assessment - Classification and Verification
- Instrumented Protection Function (IPF) Assessment
- Layers of Protection Analysis (LOPA)
- Fire and Gas Detector Mapping (3D Modelling)
- Environmental Management Plan
- Plan / Field Audit



# ASSET INTEGRITY

Asset Integrity focuses on maintaining the reliability, safety and long-term performance of assets through strategic assessments and maintenance practices that minimize operational risks and enhance sustainability.

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## List of Studies:

- O&M Philosophy Development
- Operations Procedures Development
- Reliability Centered Maintenance
- Equipment Criticality Analysis
- Failure Mode, Effects and Criticality Analysis (FMECA) - IEC 60812
- Asset Register for SMMS - ISO 14224
- Performance Standards Development
- Noise Studies\*
- Acoustically Induced Vibration (AIV) - EI
- Flow Induced Vibration (FIV) - EI
- Process Safety Management Support
- Operation Readiness & Assurance Support
- Carbon Footprint Assessment



# BESPOKE SOLUTIONS

Bespoke solutions consists of providing specialized support in project management, risk mitigation, and engineering tailored to client needs. We deliver expert guidance, training and innovative strategies to optimize operations and drive success.

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## List of Solutions:



Project Management Support



Subject Matter Expert (SME) Support



Safety & Risk Management



Specialised Engineering Solutions



Training & Development



Supply & Trading

# STRATEGIC KNOWLEDGE

## EMPOWERMENT:

# TRANSFORMING POSSIBILITIES



Access to Specialised  
Expertise



Global and Diverse Skills  
Integration



Strategic Focus with  
Regional Reach



Scalability and Flexibility



Accelerated Project Timelines

## OUR CLIENTS:

