



HUGHES

RISK MANAGEMENT LTD

***“Your Partner in Chemical Industry
Services”***

Integrated HSE, Technical Safety and Verification specialists

“Trust and Integrity in Client relations”

About Us

Formed in 2007 as a UK Limited Company, HRM has progressively developed into a consultancy that delivers projects for a wide range of clients from its Carlisle based office in the UK.

Our services have a proven track record and we endeavour to cascade experience from other projects and lessons learnt back into our service profile with the view to improving the overall deliverable and execution process. Much of our work is on an extension or referral basis.

HRM provide a range of Consulting and Support services to Clients aimed at providing solution based deliverables providing key decision making tools and processes across industries for all facets of safety and risk management. We can meet your needs in all aspects of:

- Risk Management and Technical Safety
- HSEQ
- Training
- Regulatory submissions
- Integrity and Verification
- Bespoke solutions
- Accident, incident investigation and expert witness

We pride ourselves in being responsive to Clients requirements and a full understanding of the delivery process and cost restraints.

HRM are able to provide a tailored solution to manage these in an integrated way to allow Clients to maximise the opportunities and avoid or mitigate loss.



PROVIDING KEY SERVICES TO A WIDE RANGE OF INDUSTRIES ON A GLOBAL SETTING



“Seamlessly transferring skills from one industry to another”

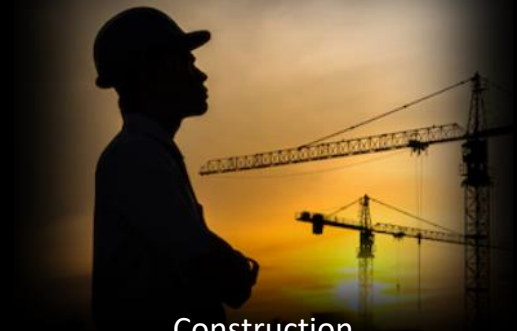
HRM are a well-established, highly experienced, specialist HSEQ and Technical Safety engineering consultancy delivering a wide range of services and cost-effective solutions for its Clients in the following industries:



Offshore Oil & Gas



Onshore Oil & Gas



Construction



Chemical



Manufacturing



Renewables



Transportation



Utilities



Legal

Chemical Industry



“Providing key services to the Chemical Industries on a Global setting”

HRM have extensive experience in the Chemicals Industry covering Upstream, Midstream and Down Stream operations in the United Kingdom, Europe and on a Global basis.

Our goal is to provide industry with quality chemical and Technical Safety Engineering services, taking due cognisance of advancing and emerging process technologies, and regulatory compliance support to optimise client efficiencies and ensure compliance.

HRM and its Partner companies combine to deliver a wide range of services that delivers responsive and cost-effective solutions for its Clients. HRM have experience with various facilities such as:

- ✓ Chemical and speciality chemical plants
- ✓ Methanol facilities
- ✓ Pipelines
- ✓ Fertiliser
- ✓ Bulk grain
- ✓ Cellulose and Plastics
- ✓ Packaging
- ✓ Paints and coatings
- ✓ Industrial gases
- ✓ Surfactants and fine chemicals
- ✓ Storage facilities and offloading stations

Further information and example studies available on request.



SEAMLESS SOLUTIONS AND INTEGRATED DELIVERY

“Creating and implementing effective solutions understanding our Clients business and requirements”

WHAT WE DELIVER

Quality and cost-effective solution based services specifically tailored to meet a client’s needs.

With our work being Client led, we ensure from the outset that our scope of work and delivery process is fully in line with expectations and if it is a scope, we cannot address ourselves or with associates then we will not undertake the work.

Our services have a proven track record, and we endeavour to cascade experience from other projects and lessons learnt back into our service profile with the view to improving the overall deliverable and execution process. Much of our work is on an extension or referral basis.

We have the ability to work within a Clients organisation providing either a seconded support function, team lead or a cascade process for deliverable understanding. Such projects have included FEED & Detailed Design, long term study delivery programmes (such as HSE cases and change management) and education packages.

We pride ourselves in being responsive to Clients requirements and a full understanding of the delivery process and cost restraints.

HRM operate within our key 7 service areas:

- ProAct
- TechServe
- Framework
- DrillSafe
- Compliance
- Risk ToolKit™
- HSE Health Checker

HRM are able to provide a tailored solution to manage these in an integrated way to allow Clients to maximise the opportunities and avoid or mitigate loss.



Compliance

Verification, Regulatory, Permit submission and support services

Through our **COMPLIANCE** work programmes we offer a range of services depending on a Clients requirement. This also includes the ability to conduct PEER reviews or pre submission approval assessment (PSAA) of applications or documentation if delivered by a Clients in House resources. The services offered are presented under specific headings to reflect our experience, expertise and knowledge.

HSE CASE AND REGULATORY SUBMISSIONS

- ✓ Offshore Safety Directive (Safety Case etc.) Regulations 2015. HSE Cases for Offshore Facilities
- ✓ Directive 2012/18/EU SEVESO III for Onshore facilities
- ✓ IADC HSE Case guidance of Onshore and Offshore Mobile Drilling Units
- ✓ HSE Case Thorough Review
- ✓ Oil Pollution Emergency Plans (OPEP)
- ✓ Waste Management
- ✓ UK Regulatory Compliance Gap Analysis
- ✓ REACH Requirements
- ✓ CDM submissions and support
- ✓ Operational Permits and submissions

ASSURANCE AND VERIFICATION

- ✓ SECE Verification schemes
- ✓ Integrity Inspection
- ✓ Certification support
- ✓ CE Marking and Technical File
- ✓ Asset performance and benchmarking
- ✓ Brownfield regeneration support
- ✓ RBI and RBM support packages (linked to our partner companies)
- ✓ Functional Safety assessments, audits and verification (IEC61511)
- ✓ ATEX and DSEAR
- ✓ Due diligence



TechServe

EXPERT

SUPPORT

KNOWLEDGE

CONSULTING

SERVICE

Integrated Technical Safety and Integrity Services

TechServe provides Clients with a comprehensive suite of studies, programmes and advice aimed at either specific needs or as part of a tailored work scope. A selection of typical services is listed below.

- ✓ Layout studies, Hazardous area classification (ATEX/DSEAR), Flare sizing and assessment, SIL, LOPA and Dropped Objects.
- ✓ Sensitivity studies and demonstration of ALARP.
- ✓ PFEER, EER and ERP linked to Major Accident profiles.
- ✓ HazId, PHA, Bowtie, HazOp, SIL, LOPA, FMEA/FMECA and RBI/RBM.
- ✓ PHSSER and SHEAMS assessments
- ✓ FEA, QRA, Occupied Buildings and sensitivity Analysis
- ✓ Fire and Blast Modelling
- ✓ SECE/SCA and Performance Standards development
- ✓ Bulk handling, conveying and process re-engineering design support
- ✓ Outage and vulnerability assessments
- ✓ Concept, FEED and Detailed Design support at both studies and individual secondment level
- ✓ HSE Case. Combined Operations and SimOps submission
- ✓ DWOP, SimOps and General Hazard Assessment support
- ✓ IADC HSE Case development, education and lifecycle support programmes (CARE, CONNECT and CALM).
- ✓ Sustainable Development (Carbon foot printing, Climate change and adaptation, Health, social and environmental impact assessment, Low carbon development, Renewable energy (Wind, Water, Solar), Strategic environmental assessment, Sustainability planning and strategy and Waste minimisation)
- ✓ Seveso III Directive covering all aspects of the Legislation and providing full GAP assessment from previous COMAH submissions
- ✓ SWIFT and SPAD assessment
- ✓ Warranty surveys, statutory rules, regulations and compliance inspection.
- ✓ ISM integrated management systems, ISPS systems leading to certification and MLC 2006.
- ✓ Environmental Impact Assessments
- ✓ Decommissioning studies and support services
- ✓ Risk Assessment Framework for Renewable Energy
- ✓ Loss Investigation and litigation support
- ✓ Technical authorship including manuals, operating procedures and instructions.



Framework

Providing Investigation, Expert Witness, Legal, Negotiation and Arbitration support

Framework is a service offered within Hughes Risk Management Limited that can operate on an Individual basis or draw from the expertise provided in the HSE and Technical Consulting service base across a wide range of Industries on a Global footing.

- ✓ Accident and Loss investigation, reporting and Regulatory breaches.
- ✓ Workplace and occupational safe systems of work.
- ✓ Slips, trips and falls in commercial as well as Industrial settings.
- ✓ COVID 19 Secure assessments and Investigations.
- ✓ Fire, explosion and risk consequence failures.
- ✓ HSEQ and Engineering failures (Concept – Design – Operation – Decommissioning).
- ✓ Claims management and loss adjusting support.
- ✓ Expert Witness across a wide range of Industries and specialisms.
- ✓ Litigation and Arbitration (Case investigation, file, report compilation and representation).
- ✓ Representation at Legal, Tribunal and Regulatory settings.
- ✓ Due Diligence

HRM has registered Expert Witness Staff with experience in the United Kingdom, Europe and Worldwide locations.

Further information and example studies available on request.



ProAct

Comprehensive HSEQ and Training Services

ProAct is a service offered within Hughes Risk Management Limited that can operate on a standalone basis or draw from the expertise provided in the HSE and Technical Consulting service base across a wide range of Industries on a Global footing.

HRM is flexible, working with its clients in the style preferred by the client, be it at a corporate level in-house, on-site, remotely, or a combination of these. Our objectives are to provide independent professional advice for socially responsible organisations, a systematic approach to complex issues, and assistance in achieving sustainable HSE performance.

- ✓ Accident and Loss investigation, reporting and Regulatory breaches
- ✓ Workplace and occupational safe systems of work including layout and access/egress
- ✓ Risk Assessment
- ✓ Risk Assessment with BowTie Analysis
- ✓ Fire Risk Assessment
- ✓ COSHH assessments and systems
- ✓ HSE Management systems development and audit
- ✓ LOLER and PUWER assessments
- ✓ Working at Heights assessments
- ✓ Noise assessment
- ✓ Asbestos assessment
- ✓ Occupational Safety Training programmes
- ✓ Audits and Inspections
- ✓ LEED (Leadership in Energy and Environmental Design) Assessments as part of the ESOS Scheme
- ✓ Handling systems assessment
- ✓ Safety Assurance Plans, Safety Case Acceptance and Route Acceptance.
- ✓ Contractor Assurance Cases
- ✓ Line Operations Safety Audit (LOSA)
- ✓ CE Marking technical file
- ✓ Machinery layout and guarding
- ✓ Technical authorship

Further information and example studies available on request.

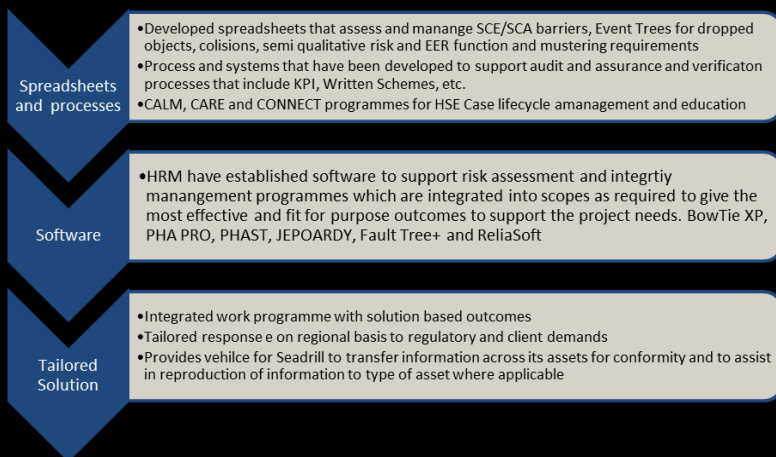


Risk Toolkit



Specialist services and Programmes

Integrated risk model aimed at providing Clients with qualitative, semi quantitative, and quantitative assessments across a wide range of project requirements using Industry validated techniques and models.



An integral part of HRM services is the after care and education of such areas as HSE Cases, SECE/SCA barrier management and Performance Standard assurance. With this in mind and part of the Risk Toolkit™ several programmes have been developed based on experience, compliance and regional challenges.

CALM© - The CALM (Communication And Lifecycle Management) programme is an 8 step process aimed at providing a Client with a compliant HSE Case and a lifecycle programme for its management.

CARE©, (Critical Activities and Response to Emergencies) CARE cards provide responsible persons a card that contains concise information relating to what is deemed a SCA/SECE and their required responsibilities to ensure:

- The critical activity is understood and its place in the risk control or recovery of a MAH
- Requirements to ensure that this SCA/SCE remains functional, available and reliable are defined and clearly understood to ensure that risk control meets the expectation of the established bow tie barriers.
- Established responsibilities and requirements for maintenance of SCA/SCE
- Established actions and needs under the emergency response system are linked where appropriate (recovery) and clearly stated by action and responsibility





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