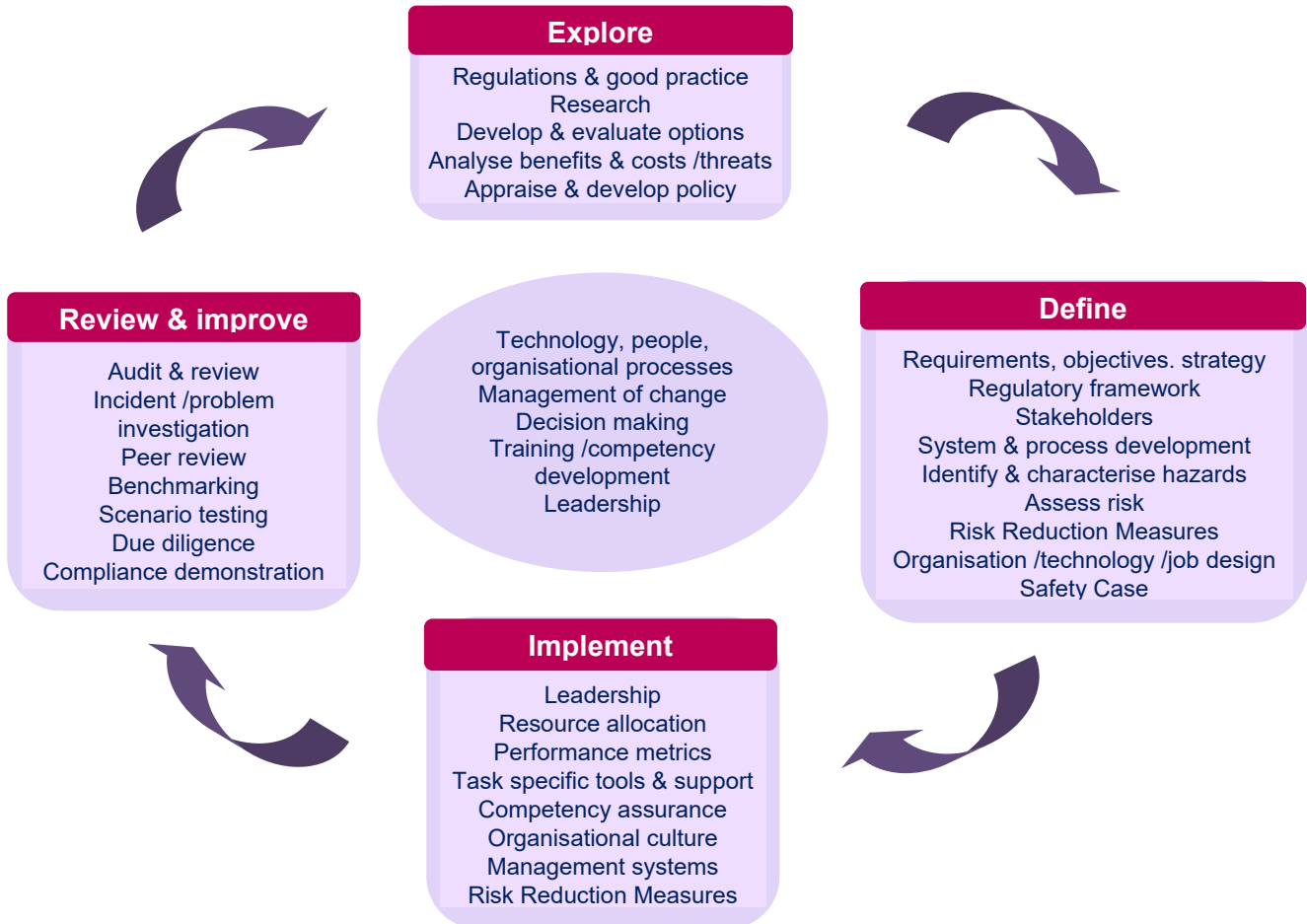




Pegasus Consulting Support Services



Pegasus Consulting Support (Pegasus) provides highly skilled and experienced consultants across a wide range of sectors to solve problems and improve performance. Pegasus specialises in analysing and understanding the combined performance of technology, people and organisational processes. Pegasus consultants have extensive experience in applying these skills to complex and critical organisations and activities. We provide support for managing safety, health, quality and business risks to the oil and gas, chemical, steel, renewables, power, FMCG, manufacturing, nuclear and defence sectors. Therefore, we combine understanding of sector specific regulatory and operating environments with knowledge and experience of cross-sector good practice.

Workshops

Pegasus developed and delivered a Procedure Writing Workshop for a steel manufacturing business division. The highly interactive workshops focussed on human and organisational factors, which influence the effective preparation and application of procedures supporting task planning and execution. As well as procedure writing good practice principles and examples (such as the value of job aids); this included the limits of compliance, the challenge of adaptation and supporting influencing factors.

Pegasus developed and delivered a Quality Performance Workshop for a specialist steel engineering facility. The highly interactive workshops covered perceptions of quality, influences, problem solving and example tools and techniques. The workshops illustrated the links between productivity, quality and product safety and the need for an integrated approach.



Risk Assessment and ALARP Demonstration

Pegasus determined, characterised and assessed the hazard and risk (qualitatively and quantitatively) associated with an uncontrolled exothermic reaction hazard at a refinery. Risk reduction options to progress control of the hazard towards ALARP were identified, explored and assessed (technically, qualitatively and quantitatively). Immediate, Short and Medium Term combinations of risk reduction measures were proposed and their effectiveness assessed (technically, qualitatively and quantitatively) to provide the basis for an ALARP demonstration argument.

The study utilised a wide range of techniques and tools including Statistical Analysis (for analysing plant operational data to characterise the hazard), Bow Tie Analysis, Fault and Event Tree Analysis, Consequence Modelling, process state transition diagrams showing risk reduction measure relative positions and process engineering modelling and calculations to provide technical substantiation. The hazard characterisation included the development of a reaction specific risk matrix based on the degree of exotherm predicted for component concentrations and operating temperature. The report was submitted to UKHSE under the COMAH Regulations and received positive comments on the quality of hazard characterisation and the evaluation and demonstration of risk reduction measure effectiveness

Audit and Review

Pegasus undertook an independent review of the approach and processes used to design and manage a major organisational change across a steel manufacturing business division. We advised ways to manage the change process to secure process safety, personal health and safety, environmental, product quality and business performance improvements.

Pegasus provided a team of Auditors for a site wide audit and review of the organisational response and learning from approximately four hundred crane related incidents. The study structure was provided by the development of a barrier model for uncontrolled proximity incidents and comprised desktop and site assessment phases.

Pegasus conducted a review of quality at a specialist steel engineering facility. The facility prepares, fabricates, machines and assembles specialist steel items such as aircraft carrier lift mechanisms, nuclear submarine doors, nuclear flasks and blast furnaces. The review recommendations were based on a summary system dynamic model (influence diagram based) of facility contract management and provided ideas for improving key areas of bid development, contract management and manufacturing processes.

Pegasus supports public and private sector organisations to explore, define, implement, review and improve their:

- Processes and systems;
- Organisational design and culture;
- Technology;
- Performance; and
- Reduce risk.



Pegasus Consulting Support Clients

Aquatera	Tata Steel Projects
Bindmans LLP	TOTAL LOR
Ecologic	Unilever
GrowHow	
Murco Petroleum	
Tata Steel	

Contact Details

Helen Conlin
T +44(0)1490 720450 M +44 (0)7891 841154
E helen@pegasusconsultingsupport.com

Pegasus Consulting Support
Paradwys, Bryneglwys
Near Corwen, Denbighshire
LL21 9LL, UK