



Health, Safety and Environmental Impact Assessment (HSEIA) For Onshore & Offshore Installations

Health, Safety and Environmental Impact Assessment (HSEIA) is a systematic process of identifying HSE impacts of existing, new or substantially altered projects, and establishing mitigation requirements.

We have the knowledge and practical experience to help you benchmark your current HSE activities. We can train your workforce, support implementation and help you to reduce HSECEs problems. VELOSI will assist you in quantifying the direct business from a successfully implemented HSE strategy.

HSE: Capturing the Opportunity

We start by benchmarking your current activities and highlighting your potential exposure and significant HSE risk. We then look at the big picture, to see what changes can be made in the way you work and quantifying the positive impacts it will have on your business. The Threat Controls (Barriers), Recovery Preparedness Measures and associated Escalation controls forms the HSE Critical Systems.

The HSE Impact Assessment is to demonstrate that the following have been achieved:

- Prevention plan for Major Accidents and the HSE Management System is inline and put into effect
- Safety & health hazards and environmental impacts are identified, recorded & assessed Environmental impacts and risks are managed
- Suitable measures have been identified and the critical equipment, systems and activities are in place
- On-site and off-site emergency plan is prepared ALARP for the hazards from the project activities is in place
- To safeguard life, property, environment & business





Health, Safety and Environmental Critical Equipment Systems (HSECES)

For Onshore & Offshore Installations

Health, Safety and Environmental Critical Equipment Systems (HSECES) are those Equipment and Systems at RRD whose failure could cause or contribute to an accident with severe or catastrophic consequences or whose purpose it is to prevent or limit the effect of such an accident.

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HSE: Capturing the Opportunity

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VELOSI Methodology

VELOSI's systematic approach to identify HSE critical equipment and systems involves:

- Identifying hazards and effects
- Assessing their significance
- Providing Control for threats
- Providing Recovery preparedness in the event that control is lost

Objectives of HSE Critical Equipments Systems Identification & Management

- Performance standards are prepared for all identified HSECES
- Provide qualitative and quantitative performance requirements to the item, equipment or computer program
- Protect people and the environment from a major hazard involving fire, explosion and the release of toxic gases and fumes
- Ensure effective escape from affected areas of the site, evacuation of the site or transference of people to a place of safety

