Safety Case

Services & Solutions

Opus Kinetic®
PEOPLE EMPOWERMENT

What does Safety Case Regime (SCR) imply for the Industries in Singapore?

With the new regulations by Singapore Ministry of Manpower, all Major Hazardous Installations (MHI) classified under the SCR are required to justify their safety case to the Major Hazards Department (MHD). This process ensures that the safety case meets the requirements of the new Workplace Safety and Health (WSH) regulations – to reduce plant risk level to ALARP (as low as reasonably practicable), while sustaining safety operational excellence.

MHIs are required to maintain the safety case as a living document throughout the entire plant lifecycle; from initial concept design, to daily operations and the eventual termination or decommissioning of the facility.

Opus Kinetic is one of Asia's leading provider of Oil & Gas Courses

At Opus Kinetic, industry professionals learn from some of the most distinguished trainers and experts in the field, with training course agendas tailored to your needs. With a strong network of accreditation and industry partners, Opus Kinetic provides you the best training courses to upgrade your skills. Opus Kinetic is also proud to be part of the exclusive group of training providers who have been awarded the prestigious ISO 29993:2017 accreditation. In addition to that, our Quality Management Systems (QMS) have been developed according to ISO 9001:2015 principles and standards.

Our training course agendas are up-to-date with the latest information and international standards, set by oil and gas industry bodies. Ranging from experts in functional safety such as TÜV Rheinland, to API (American Petroleum Institute) and Safety Case for MHIs, we ensure our training are highly relevant to improve the skill you need today to succeed in the industry. Certification provides personnel with industry-directed and industry-accepted professional credentials. We have attained the global recognition across several industry partners such as being part of the Energy Institute (EI) network, the chartered professional membership body bringing global energy expertise together. The EI network comprises over 20,000 members and 250 companies from 120 countries from the energy industry.Our expertise ranges across providing professional consulting services for organisations as well. Whether it is small, lean work packages or complex multi-disciplinary agendas, we have the ability to provide in-house training programs customised to your needs. Alongside our track record of successfully deliver training courses, we provide a comprehensive solution to meet your exact learning needs.

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Safety Case Solutions

Safety Case Management
Monitor plant safety performance, control safety critical elements and maintain live documents

SIS Lifecycle Management
Manage performance of safety instrumented functions for IEC 61508 / 61511 compliance

Emergency Response
Automate process plant emergency response

Alarm Management
Improve safety and efficiency by rationalizing and optimising process alarms

Incident Management
Trigger ICSS and near-miss incident investigation, facilitate root cause analysis and lessons learnt

Safe Operations
Maintain process operating conditions within safe design envelope

Change Management
Evaluate and control facility design modifications and operations prior implementation

Human Factors Automation
Prevent human failures by procedural automation of SOPs and startup/shutdown procedures

… and others
• SC gap analysis
• Process safety consultancy
• Training and competence management

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Safety Case Regime Readiness Checklist

PHASE

- ☐ 1
- ☐ 2
- ☐ 3

Which SC phase does the company belong to?

YES ☐ NO ☐ Are all the possible risks and hazards of a major accident documented in the safety case profile?

Are there any technical or operational measures in place to manage and control the mentioned risks and hazards above? ☐ YES ☐ NO

YES ☐ NO ☐ Is there a systematic process or a set of pre-established compliance documents in place to enable plant managers to identify and implement safety measures on-site?

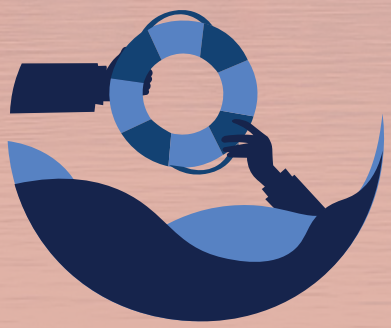
Are the PHA assessments, including HAZOP, QRA, SIL and SIF analysis compliant to the industry standard guidelines? ☐ YES ☐ NO

YES ☐ NO ☐ Does your safety case document identify obsolete design standards that may have been used for a new plant design?

Are human factors taken into consideration for design of equipment, workplace, operational workflow and maintenance processes? ☐ YES ☐ NO

YES ☐ NO ☐ Are there any automated MOC procedures established within your company?

Have your company identified the main safety case KPIs? ☐ YES ☐ NO



YES ☐ NO ☐ Does your company have an automated system to demonstrate and manage SC for regulatory audits?

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