2024 SCIC Training Events

SCIC organises various training events to support our members in building their competency, knowledge and skillset. Training events organised are customised to be relevant for the chemical industry. It also provides a unique industry platform for industry members to network, exchange ideas and learn the good practices from one another.

Overview of Event Calendar *(** SCIC reserves the rights to change or amend the events**)*

Year 2024 -- Events Calendar				
January				
February				
March				
April	SCIC GHS Chemical User 2.0 workshop	SCIC Annual Dinner 2024 & Responsible Care Awards Presentation 2023	SCIC GHS Classification workshop	
May	SCIC Responsible Care - Security Code Risk Assessment workshop (For RC signatories)	Workshop on Management of Hazardous Chemicals Programme (MHCP)	Safety Case Practitioners 4-day Workshop	
June	SCIC Learning & Sharing Session - Initiative by SAM committee			
July	SCIC GHS Classification workshop			
August	SCIC Sustainability Conference 2024	Human Factor -- Incident Investigation workshop	Learning & Sharing -- Isloation of Energy	
September	Safety Case Practitioners 4-day Workshop	SCIC Process Safety Management (PSM) Seminar		
October	ChemEx 2024	SCIC GHS Chemical User 2.0 workshop	Training Course on Regulatory, Technical & Safety Requirement of ISO Tank Containers	
November	SCIC Annual & Networking Cocktail session	SCIC - Dust Explosion Seminar	SCIC - Cyber Security Seminar	SCIC - Good Practice Sharing session (Process Safety code)
December				
Events color coding	**Health, Safety & Environment Performances**	**Journey towards Industrial 4.0 Transformation**	**Sustainability**	**Outreach**
	Communication	**Security Practices**	**Networking Session**	**Mental Well-Being (Coming soon!)**
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Health, Safety & Environment Performances Health, Safety, Environment performance remains a key priority of the chemical industry. SCIC provides an industry platform of cross-sharing and learning of experience among members through various forums and events.	
Human Factors	Human Factors in Accident Investigation Duration: 2-days Considering the importance of human factors in accident and incident investigation, the training is to equip employees an understanding of the capabilities and limitations of human cognition such as attention, perception and decision making. Thereafter, looking at how these cognitive components that could lead to human error and accidents, the possible methodologies will be introduced in measuring cognitive work performance such that these human errors which are common causes of accidents can be prevented. The training will also demonstrate the use of established tools in determining the various causes of errors leading to the accidents. ***Customised for the chemical industry***
	Developing an Effective Fatigue Management Programme Duration: 2-days Fatigue is an internal pre-condition for unsafe acts in which its effects are far-reaching. As a workplace hazard, it may result in adverse impact in human lives and mental health which affects safety and productivity performances. The training will introduce the fundamental concepts, approaches in evaluating the type/intensity and impact of fatigue. These skillsets and knowledge are required for supervisor to help them in developing an effective fatigue management programme that assesses and manages risk factors in their working environment. ***Customised for the chemical industry***
	Enhancing the Health Environment at Workplaces Duration: 2-days

	Aligning to WSH 2028 Strategies, the inter-relationship between safety and health of employees has to reinforced as an integrated approach in addressing work, safety and health. With focus on the health status of the workforce, this allows the identification of health issues that may impact work and safety such that a customised health intervention programmes can be implemented appropriately at the workplace. The training introduces the fundamental knowledge and know-how on human capabilities, limitations, behaviour, emotions, ergonomics, risks exposure to human bodies and its health effect in the long run to better help supervisors in acquiring skills needed to design/re-design, evaluate systems, workplaces and environment to improve the health environment of employees at workplaces. ***Customised for the chemical industry***
Chemical Management	Globally Harmonised System (GHS) of Classification and Labelling of Chemicals - **Chemical Users Course** Duration: 1-day The approved Code of Practice (ACOP) for Singapore Standard SS586:2008 on the Hazard Communication for Hazardous Chemicals and Dangerous Goods provides the guidance of Singapore's implementation on Globally Harmonised System (GHS) Classification and Labelling of Chemicals. GHS is an integral part of chemical safety management. As user of hazardous chemicals, it is an obligation to obtain the Safety Data Sheet (SDS) for the chemicals, label the containers in accordance with the standardized format and ensure the safe use of chemicals at workplace. The training provides employees from companies who are dealing with chemicals (chemical users) the guidance on the understanding the GHS system, the processes of chemical classification and hazards communication through the use of labels and safety data sheets according to the requirements of the GHS. ***Customised for the chemical industry and relevant for cross-industries***
	Globally Harmonised System (GHS) of Classification and Labelling of Chemicals-**GHS Classification Course**

	Duration: 2-days The advanced and specialized training provides practitioners from the industry in-depth knowledge in the GHS classification of a mixture of chemicals to be able to classify their mixtures, prepare SDS and labels for their company's products. ***Customised for the chemical industry and relevant for cross-industries***
	Management of Hazardous Chemicals Programme (MHCP) Duration: 1-day The training provides managers/supervisors an understanding and guidance on the requirements of the 13 elements of Management of Hazardous Chemicals Programme to be established and implemented at workplaces which involved in the manufacturing, distribution and usage of hazardous chemicals in their processes. ***Customised for the chemical industry and relevant for cross-industries***
	Priority Setting for Risk Assessment Duration: 1-day The training is focused on equipping employees with knowledge on a methodology of setting priority for risk assessment of chemicals using a set of prioritization tools. Priority setting tool is relevant for use by both regulators and companies in prioritizing the selection of chemicals to conduct risk assessment, considering resources constraint. ***Customised for the chemical industry***
Safety Case Regime	MHI Practitioners' Forum Duration: ½ day

	A series of sharing session to provide an industry platform to exchange information on process safety practices and experiences on implementing safety case among the MHI community in Singapore. Each session is to focus on specific process safety and safety case related topics, thus providing employees an unique network opportunity to discuss and exchange ideas from fellow MHI peers and experts. ***Customised for the chemical industry***
	<u>Safety Case Practitioners' Workshop</u> Duration: 4-days Under the WSH (MHI) regulations, MHIs are required to demonstrate through their Safety Case that a systematic process is in place to identify and implement safety measures on-site so that risks arising from major accident hazards are effectively reduced to As Low As Reasonably Practicable (ALARP). The training helps employees to acquire the skills and knowledge required to support the implementation of the Safety Case regime in their respective companies. Training materials developed is aligned with the Major Hazard Department (MHD's) Curriculum Development Advisory (CDA) for the SCIC Safety Case Practitioners Workshop which is tailored to meet the needs of MHIs in Singapore. ***Customised for the chemical industry and relevant for other MHIs***
Transport Safety	<u>Regulatory, Technical & Safety Requirement of ISO Tank Containers</u> Duration: 1.5-days

	To provide employees a foundation in the use and operation of this highly specialised equipment by introducing the regulatory framework and various technical aspects of operating tank containers. It includes safety and testing requirements, operational issues such as capacity, loading and unloading methods, and cleanliness. A practical session to inspect an actual tank container at the depot is included as part of the training. ***Customised for the chemical industry***
	<u>UN Portable Tanks for Transportation of Liquified Compressed Gases and Chemicals</u> Duration: 2-days To provide employees a practical understanding of the operation, inspection and safety requirements of UN portable tanks used to transport liquefied compressed gases and refrigerated liquefied gases including the regulations underpinning their transport in this specialized equipment. ***Customised for the chemical industry***
Responsible Care	<u>Responsible Care Good Practices Sharing Session</u> Duration: 2 to 3 hours An industry sharing platform on Responsible Care good practices among industry members with the objective of continuous improvement in HSES performances. ***Customised for the chemical industry***
Process & Engineering	Capacity and capability building with focus on Process & Engineering related areas. Information on training topics – to be updated.

Security Practices

With rapid changes in security landscape, SCIC has formally instituted the security practices as a code of management practice under the Industry's Responsible Care programme for Singapore. SCIC helps to build industry's competency and knowledge in supporting members towards achieving continuous improvements in their security practices implementation through customised training courses relevant to the nature of the industry's operations.	
Security Risk Assessment Duration: 1-day	To equip employees the knowledge on the approach of Security Risk Assessment (SRA) in helping to evaluate the security associated risks. This is part of the security risk management to determine the appropriate measures in addressing the threats, vulnerabilities and potential consequences. ***Customised for the chemical industry***

Sustainability SCIC provides a platform of sharing on topics of interests, trends, insights to support members in achieving sustainability development goal of the chemical industry.	
SCIC conference	Information on conference – to be updated.

Singapore Standards – Building Trust in the Chemical Industry Singapore Standards serve as guidance document for the industry in meeting regulatory requirement. As the standards development organization, SDO@SCIC co-develop/review more than 100 ISO/Singapore Standards to provide industry a set of specifications or guidelines for their process, product or service. Training course on specific new/reviewed standards helps to build industry capacity and capability in supporting their implementation efforts required for their operations.	
SS641 - Code of Practice for fire safety for laboratories using chemicals Duration: 1-day	To provide a better understanding on implementation trough key highlights of this Code of Practice for the Fire Safety for Laboratories using chemicals.

Journey towards Industrial 4.0 Transformation The launch of the Energy & Chemicals Industry Transformation Map (ITM) in 2017 paved the way for industrial 4.0 evolution. The next wave of innovative advance manufacturing technologies, digitalization incorporation and Internet of Things (IOTs) integration forms the pillars in driving Singapore Chemical Industry's continued competitiveness. Embark the journey as the early adopters. ***"SMART"*** plant/operations will be the way forward.	
Introduction to Industry 4.0 (Visit to SP ECTC included) Duration: 3 hours	An introductory session in understanding Industry 4.0 for the Energy and Chemical Sector, through sharing of practical case on why and how to start transformative journey towards Industry 4.0 Session included a site visit to the Singapore Polytechnic's Energy & Chemical Training Centre (ECTC) ****Customised for the chemical industry***
Design Thinking for Users Duration: 1-day	To instil the understanding of design thinking concept and introduce methodologies and techniques to help companies in identifying their needs statements and solutioning in the context of chemical industry and transformation towards Industry 4.0.

	Customised for the chemical industry
Industry 4.0 Sharing Forum Duration: ½ day	A platform of sharing among member companies their transformation journey including sharing of experiences on successful cases of advance manufacturing technology adoptions, approaches and benefits. ***Customised for the chemical industry***

Communication Communication forms the foundation of all human relationship. The heart of a successful organization lies with an effective communication culture within organization which can help to foster a good working relationship that translates into: √ support employees' retention √ morale boost √ efficiency enhancement In this new era of modern mediums of communication, the skillset and know-how approach of communicating effectively in the digital age would be vital in all business operations.	
Media Management for the Chemical Industry Duration: 2-days	To equip employees the knowledge and skills in communicating and handling media in an event of emergency or crisis. The steps and skills required in managing crisis communication, media interview and media conference would be covered. ***Customised for the chemical industry (Relevant scenarios selected)***
Writing Press Releases Duration: 1-day	Double-hatting of employees would require them to be equipped with the right skills to handle PR roles includes writing press releases for all possible scenarios such as marketing, media coverage, manage a crisis, build brand reputation, build links with trusted media site etc. ***Customised for the chemical industry***
Stakeholder Relations (DISC) Duration: 1-day	The appreciation of the working style of the 4 DISC (Dominance, Influence, Steadiness and Compliance) personality types as an individual and their value in a team can effectively help in applying strategies for each DISC personality type.

	This will achieve the enhancement of stakeholder relations, both within and beyond the company/ organisation, including applying broad strategies to build effective multi-generational teams at their workplace.
Intergeneration Communication Duration: 1-day	An age-diverse team with potential five generations means that there are different motivating factors, skill sets, and goals. Cohesive working relationship would be a constant challenge where organisations would require strategies that employees can implement in their workplaces to build an effective multi-generational work teams that promotes a conducive environment with encouragement, inclusiveness, motivation to drive greater staff retention. ***Customised for the chemical industry***
Communications E-tools for Productivity Enhancements at Workplaces Duration: 1-day	Digital workplace is now driving a wide range of projects across many industries. The digital workplace can be considered the natural evolution of the workplace. It encompasses all of the technologies staff use to do their jobs. This can range from the HR applications and core business applications to email, instant messaging, enterprise social media tools, intranets and portals. Most (if not all) organisations have a digital workplace. ***Customised for the chemical industry***

Others	
Introduction to Chemical Industry to Non-Technical Personnel	An introductory on Energy & Chemicals sector for non-technical employees to enhance their fundamental awareness, knowledge and appreciation of the industry that they are in. Duration:1-day

Productivity Improvements for Process, Construction & Maintenance Sector The Productivity Council undertakes a 6-year implementation project from 2015 to 2021 on management practices and productivity improvement in Singapore. SCIC took the lead in overseeing the implementation of the project which is jointly funded by EDB Singapore, SCIC, members of the chemical industry, ASPRI and members of the process industry.	
Activity Analysis (AA)	**Level 1 (Introductory):** Understand the use of software for data acquiring for different core tasks onsite Duration: – 4hrs **Level 2 (Intermediate):** Data acquiring using tablets through onsite tutorials and field calibration Duration: - 6 hrs **Level 3 (Advanced):** Conduct analysis on data acquired to implement practices to help improve productivity performances Duration: - 7 hrs
Best Practices on Productivity Improvement Index (BPPII)	**Level 1 (Introductory):** Understand different work process categories, their levels and how to identify, chose appropriate levels. Duration: 4 hrs **Level 2 (Intermediate):** Understand how to extract meaningful information from different projects, how to identify improvement strategies and how to prepare data for certification submission Duration: 6 hrs
Workforce Planning (WFP)	**Level 1 (Introductory):** Understand different work process categories, their levels and how to identify, chose appropriate levels. Duration: 4 hrs **Level 2 (Intermediate):** Understand how to extract meaningful information from different projects, how to identify improvement strategies and how to prepare data for certification submission Duration: 6 hrs

Productivity Improvement Forum Duration:1-day	An annual event where insights on opportunities and strategies for productivity improvements as a result from the outcomes and findings of the various workgroups to be presented for sharing.