

# Process safety awareness training

Our on-demand, interactive course is  
the easy way to understand your role  
in preventing major accidents

**SALUS**





Salus Technical's on-demand process safety awareness training course is designed to help non-safety professionals, who work in major hazard industries such as oil & gas, petrochemical, marine, hydrogen and offshore wind, learn the skills they need to help...

# ...prevent the next major accident from ever occurring



## Why is this the course for you?

### **On-demand videos**

The course is structured as a series of 25 bite-size videos. Work through the videos at your own pace – our platform remembers where you got to.

### **Manageable course work**

The course can usually be completed in under 90 minutes. Each of the 25 videos are typically only 3-4 minutes in length.

### **Understanding**

Demonstrate your understanding by answering a series of multiple-choice questions at the end of each module.

### **Course alignment**

The course has been aligned with recognised industry bodies:

- The International Association of Oil & Gas Producers (IOGP) process safety fundamentals
- The Institution of Chemical Engineers (IChemE) process safety framework
- Energy Institute (EI) process safety framework
- Offshore Energies UK (OEUK) process safety leadership principles

### **Cloud-based content**

All videos can be accessed online via our website, whether you are offshore, on-site, in the office, or at home. Access is granted for one year.

### **Actionable advice**

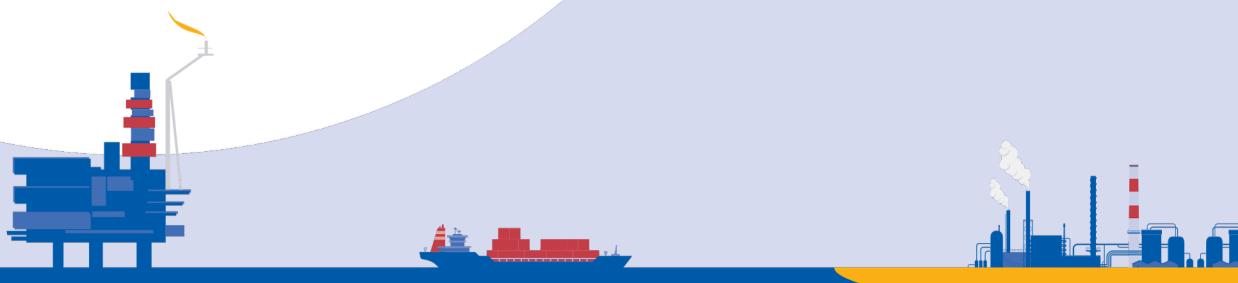
Each video includes actionable advice that you can use in your day job immediately.

### **Competence**

Demonstrate your competence in process safety and your understanding of the role you play in preventing major accidents.

### **Certification**

All participants who successfully complete the course obtain a certificate of completion.





# Curriculum

4 modules, 25 bite-size videos, 4 multiple-choice exams

## Module 1. Understand your risks

- Welcome video: How did the circus help to save lives on the Golden Gate Bridge?
- What causes process safety incidents?
- What is the difference between personal safety and process safety?
- Hazard identification
- How to carry out a risk assessment
- Barriers – people, plant and process
- What is ALARP?
- Hierarchy of controls
- Inherent safety
- Control of ignition
- Module 1 multiple-choice exam

## Module 2. Manage your risks

- Introduction
- Management of change
- Managing deviations
- Isolate from our hazards
- Applying procedures
- Emergency response
- Safe systems of work
- Stopping the job
- Module 2 multiple-choice exam

## Module 3. We measure performance and learn from our experiences

- Weak signals
- Learning from events
- Learn from our experience
- Module 3 multiple-choice exam

## Module 4. Process safety leadership

- Competency assurance
- Leadership
- Compliance with standards & legislation
- Module 4 multiple-choice exam

## Closing video. Congratulations!

Feedback from some of the **1,000+** people who have already completed the course

After an event, we were looking for a course to provide to all levels in our organization, a solid understanding of process safety hazards and risk. For our operation, Salus Technical's course created the awareness and explained the appropriate layers of protection for managing the integrity of process systems. The interactive training provides the right level of understanding using the IOGP Process Safety Fundamentals.

– Jurgen Joosten, QHSE Manager, Petrodec

The online Salus Technical Process Safety Training Course has been very beneficial in providing a clear and engaging introduction to Process Safety for those new to the topic, and also as a necessary refresher to more experienced personnel. In the short time of putting personnel through this course, feedback has been very positive, with value seen in sharing it wider in the organisation – particularly for those who feel they may not influence the process safety of our operations but do indeed play a role.

– Euan Goldie, Head of Global Health & Safety, HSEQ

We are incredibly thrilled with the results that the Salus Technical Process Safety Awareness course has produced! It has proven to be an invaluable asset in enhancing our team's understanding of process safety in our drilling and well operations. Our team members are now equipped with the knowledge and expertise to confidently identify and manage process safety risks associated with our operations. We couldn't be more thrilled with the outcomes of this course!

- Andy Robb, Lead HSE Advisor (D&W), HSEQ

# Weak signals

- Large amounts of overdue maintenance
- Abnormal readings from equipment
- Unexpected noises
- Taking a long time to close out important safety actions



The Salus process safety CBT is a fantastic addition to our training resources, providing a comprehensive and interactive learning experience for our workforce. Ultimately fostering a culture of safety within our organisation which empowers our workforce to prioritise process safety in everything that we do.

– Moira Lamb, Health & Safety Manager, Apache

We have rolled out the Salus Technical Process Safety Awareness training throughout our organisation. The training has been well received by people at all levels. The short video format provides a clear and accessible approach to explaining this critical topic to a wide range of people and forms a key part of our drive to engage everyone in the organisation in supporting Process Safety Performance.

– Andrew Sekulin, Integrity and Process Safety Assurance Manager, Serica

The short and sharp two to three minute videos were good and easy to return to if you get interrupted mid-CRT.



# IOGP alignment



**Our curriculum is aligned with International Association of Oil & Gas Producers (IOGP) process safety fundamentals**

IOGP process safety fundamentals



1 We respect hazards



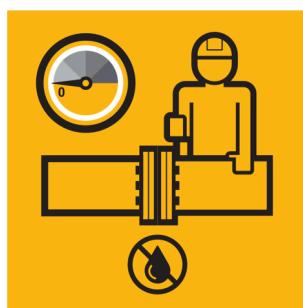
2 We apply procedures



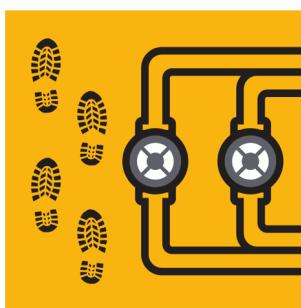
3 We sustain barriers



4 We stay within operating limits



5 We maintain safe isolation



6 We walk the line



7 We control ignition sources



8 We recognise change



9 We stop if something unexpected occurs



10 We watch for weak signals

## Our curriculum

Module 1. <b>Understand your risks</b>	IOGP fundamentals	Module 2. <b>Manage your risks</b>	IOGP fundamentals
What causes process safety incidents?		Management of change	1 3 8
What is the difference between personal safety and process safety?		Managing deviations	3
Hazard identification	1	Isolate from our hazards	5 6
How to carry out a risk assessment	1	Applying procedures	2 3
Barriers – people, plant and process	3	Emergency response	2
What is ALARP?	1	Safe systems of work	3 6
Hierarchy of controls	1	Stopping the job	2 6 9
Inherent safety	1		
Control of ignition	7		
Module 3. We measure performance and learn from our experiences	IOGP fundamentals	Module 4. <b>Process safety leadership</b>	IOGP fundamentals
Weak signals	9 10	Competency assurance	1
Learning from events	1	Leadership	1
Learn from our experience	1	Compliance with standards & legislation	1



# IChemE alignment



**Our curriculum is aligned with the Institution of Chemical Engineers (IChemE) process safety framework**

## IChemE process safety framework

Element	Topic
Culture	<ul style="list-style-type: none"><li>1 Safety leadership commitment, responsibility and workplace culture</li></ul>
Knowledge and competence	<ul style="list-style-type: none"><li>1 Process safety concepts</li><li>2 Hazard identification and risk assessment</li><li>3 Hazard awareness specific to the operation</li></ul>
Engineering and design	<ul style="list-style-type: none"><li>1 Safety in design</li><li>2 Asset integrity</li><li>3 Codes and standards</li><li>4 Management of change</li></ul>
Human factors	<ul style="list-style-type: none"><li>1 Human factors</li></ul>
Systems and procedures	<ul style="list-style-type: none"><li>1 Systems, manuals and drawings</li><li>2 Process and operational status monitoring and handover</li><li>3 Contractor and supplier selection and management</li><li>4 Safe systems of work</li><li>5 Project delivery</li><li>6 Management of major emergencies and emergency preparedness</li><li>7 Incident reporting and investigation</li></ul>
Assurance	<ul style="list-style-type: none"><li>1 Legislation and regulations</li><li>2 Audit, assurance, management review and intervention</li></ul>

## Our curriculum

Module 1. <b>Understand your risks</b>	IChemE framework	Module 2. <b>Manage your risks</b>	IChemE framework
What causes process safety incidents?	1 3	Management of change	4 1 2
What is the difference between personal safety and process safety?	1	Managing deviations	1 2 1 2
Hazard identification	1 2	Isolate from our hazards	2
How to carry out a risk assessment	2 3	Applying procedures	4 1 1 2
Barriers – people, plant and process	3 2 1	Emergency response	2 4 6
What is ALARP?	2 1	Safe systems of work	1 2 4
Hierarchy of controls	2 1	Stopping the job	6
Inherent safety	2 1		
Control of ignition	2		
Module 3. We measure performance and learn from our experiences	IChemE framework	Module 4. <b>Process safety leadership</b>	IChemE framework
Weak signals	1 7 2	Competency assurance	1 3 2
Learning from events	1 7 2	Leadership	1 3 5
Learn from our experience	1 7	Compliance with standards & legislation	1 1



# Step Change in Safety



## Our curriculum is endorsed by Step Change in Safety Limited.

This course is aimed at non-safety professionals working in high-hazard industries, will be actively promoted to Step Change in Safety's members, having undergone rigorous testing and evaluation by the leadership team.

The endorsement signifies Step Change in Safety's confidence in the course's potential to disseminate safety knowledge on a global scale.





# FAQs

## Do I get a completion certificate?

Yes, all attendees receive a certificate of completion.

## Can I track my team's progress?

Yes. If you sign-up multiple attendees by contacting us on [info@salus-technical.com](mailto:info@salus-technical.com), we will share regular progress updates with you and notify you when all attendees have successfully completed the course.

## Is there an exam?

Upon completion of each of the four modules, there will be a series of multiple-choice questions.

## Can I work at my own pace?

Yes. The course is on-demand and it will remember where you left off. You can complete it all at once if you like.

## Is this course accredited?

We have worked hard to include the key aspects of Process Safety Frameworks and Fundamentals from IOGP, IChemE, OEUK and the Energy Institute. There is no joint accreditation from these organisations. If you complete this course, you will have covered these in depth.

## I work onsite, how do I access materials?

The course content is online so if you are in the office, working from home, on-site or offshore, you can access the materials 24/7.

## What is different about this course?

This course focuses on awareness of the key aspects of process safety. The videos are short and all contain clear, actionable advice that you can start implementing right away.

## If I sign up my team, do we get a discount?

Absolutely. We offer increasing rates of discounts if you sign-up 100 or 250, or 500+ attendees.

# About the instructor

David Jamieson is a principal process safety engineer who has a passion for teaching others about process safety. He has provided training to over 2,000 participants. David is a chartered engineer and has worked for over a decade in process safety. He was the Process Safety Technical Authority for a UK Operator prior to founding Salus Technical in 2015.

David has written several training courses, including: Bowtie Diagrams and Barrier Management UK Offshore Safety Legislation for Engineers, Best Practice Presentations for Management of Change, Operational Risk Assessments & Cumulative Risk. David is the founder of Salus Technical who provide process safety engineering services and have developed Bowtie Diagram and Human Factors software.



# Sign up to process safety awareness training

Join the 1,000+ people who have completed our course by signing up now at:

[www.processsafetytraining.com](http://www.processsafetytraining.com)

We offer increasing rates of discounts if you sign-up 100 or 250, or 500+ attendees.  
For more information contact us now at:

[info@salus-technical.com](mailto:info@salus-technical.com)

Not ready to commit yet? We offer a free trial of our course. Sign up here:

<https://learn.processsafetytraining.com/courses/process-safety-awareness-free-trial>

