



worldsteel Day for Safety and Health Webinar schedule

worldsteel

ASSOCIATION

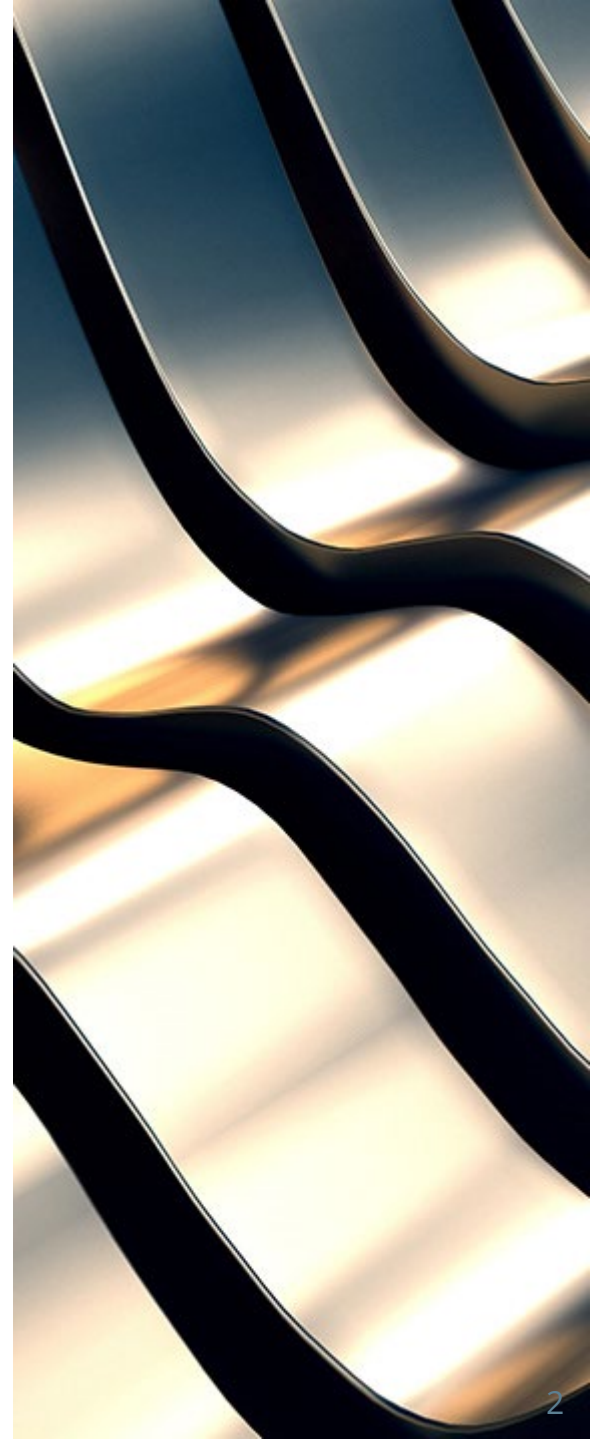
steeluniversity

Dräger

Introduction

Eliminating fatalities and serious injuries is the main challenge for the global steel industry. Our focus at worldsteel is to provide our members and the industry with actionable recommendations and guidance to create safer and healthier workplaces.

worldsteel is collaborating with Dräger to deliver a series of webinars identifying the risks posed by gassing and asphyxiation and how to manage them.



Webinar schedule



Invisible hazards: from risk assessment to risk mitigation

Friday 28 April 2023, 15.00 – 16.00 CET

**PD Dr.-Ing. habil. Ulrich Klenk, Training Development Manager
Dräger Global Academy**

**Benedikt Müksch, Senior Expert Dräger Safety and Emergency
Management**

Gases are a substantial part in steel production processes. They are used selectively during a wide variety of processes in the steel industry. At the same time, however, they can also arise or be released in undesirable places, even as a product because of the process. Most of the gases are invisible, some of them are even not detectable by the human sensory system. Nevertheless, there are gas properties that might cause risks for workers and plants, like explosivity, toxicity or oxygen depletion. In this first part of a dedicated webinar series, our safety experts will give you insights in an adapted risk assessment process related to the issue of gassing and asphyxiation. From this basis on we will focus on suitable measures for risk mitigation with best practice sharing from steel production. Get valuable safety information and practical insights from our safety experts. Join the discussion with experts and ask your questions in a Q&A session.

[Register here](#)



Explosive gas atmospheres: preventive measures and gas warning devices

Thursday 8 June 2023, 15.00 – 16.00 CET

Marcus Oertel, Global Product Manager

Frederike Schnalke, Product Marketing Manager

In this webinar we will focus on the properties and hazards of flammable gases and vapors that can form an explosive atmosphere. This in particular with the focus on the increasing use of hydrogen in this industry. The images of the exploding zeppelin "Hindenburg" should probably be in everyone's mind. The ignition of hydrogen caused a disaster in Manchester in 1937. In today's steel production, flammable and explosive gases play a major role, and that of hydrogen is even increasing. It is all the more important to identify safety risks, comply with international regulations and close safety gaps through gas detection technology, safety processes and training.

Benefit from the valuable insights we share with you. Join the discussion with our experts and ask your questions in an FAQ session.

[Register here](#)



Safe operations in confined spaces

Tuesday 4 July 2023, 15.00 – 16.00 CET

Thomas Lawrenz, Global Trainer Dräger Academy

René Krüger, Global Product Manager

Approximately 2.1 million workers annually work in confined spaces and containers. Statistics are revealing, that working in confined spaces is still a leading cause of multiple fatalities and serious injuries.

The special requirements of confined spaces must be considered by appropriate safety measures, gas detection technology and protective equipment to prevent accidents and incidents. In this webinar we will point out the main causes of an increased accident frequency. We will focus on topics like clearance measurement, permit to work and continuous gas monitoring.

The protection of workers in all conditions is a top priority. Ensuring safety and health at work will guide the pathway to Vision Zero.

Take advantage of the valuable insights we will share with you. Join the discussion with our experts and ask your questions in a FAQ session.

[Register here](#)



Risks of gassing and asphyxiation at maintenance work

Thursday 31 August 2023, 15.00 – 16.00 CET

René Krüger, Global Product Manager

Revision work and Turnarounds play a significant role in the steel industry. These events always pose challenges for the companies involved. The revision of a plant might cause unexpected gas releases in the atmosphere, which pose a safety risk to people and plant. In this webinar we will focus on technologies for leakage measurement and explain how a clearance process can save lives and plant components.

Join the discussion with our experts and ask your questions in a FAQ session.

[Register here](#)



Mobile gas detection devices: your life insurance

Thursday 5 October 2023, 15.00 – 16.00 CET

Timo Nienstedt, Global Product Manager

Matthias Klauck, Global Trainer Dräger Academy

Mobile gas detection devices are often referred to as the "life insurance" for workers in the steel industry. However, it's not enough to simply have these devices on hand. Effective protection depends on proper usage and maintenance.

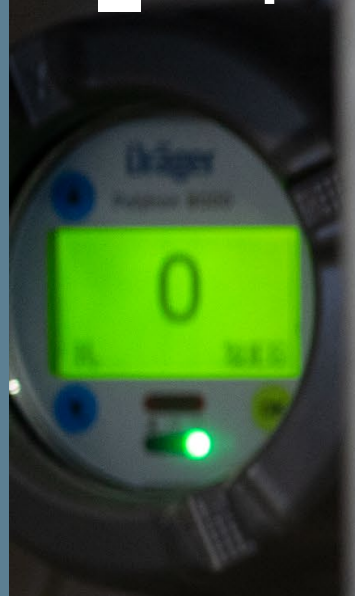
In this informative webinar, our experts will provide valuable background information on the correct usage, cleaning, and maintenance of mobile gas detection devices. Attendees will gain a better understanding of common sources of failure and receive best practices to help prevent issues from arising.

This is your opportunity to join the discussion with our experts and ask your questions in a FAQ session. Whether you're a seasoned professional or new to the field, this webinar is a must-attend event for anyone working with mobile gas detection devices in the steel industry. Don't miss out on this chance to enhance your knowledge and ensure the safety of your workers.

[Register here](#)



Speakers



Matthias Klauck

Global Trainer Dräger Academy



Mobile gas detection devices: your life insurance – 05.10.2023

Matthias Klauck works as a global trainer at the Dräger Global Academy in Lübeck. For the past 2 years, he has been a trainer there for everything that is portable, from gas warning devices to breathalyzers. There he is responsible for the training of service technicians, as well as for customer training. Prior to that, he worked 13 years in underground mining in Germany.

Among other things, he also worked there for more than 10 years in the underground fire brigade, where he was for the equipment supervisor. Due to this time in the mining industry, he has a lot of knowledge and experience with Dräger equipment.

PD Dr.-Ing. habil. Ulrich Klenk

Training Development Manager Dräger Global Academy



**Invisible hazards: from risk
assessment to risk mitigation –
28.04.2023**

PD. Dr. Ulrich Klenk is working as Training Development Manager at Dräger's Global Academy. He holds a doctoral degree in safety engineering and a higher education teaching qualification in safety engineering and environmental protection (facultas docendi).

Ulrich is creating and conducting trainings all over the world with a focus on industrial applications. He is an accredited Vision Zero Trainer and is part in several health and safety related committees and commissions. Ulrich is author and has published several whitepapers related to health and safety topics. He is part of a voluntary fire brigade and scuba diver.

René Krüger

Global Product Manager



**Safe operations in confined spaces –
04.07.2023**

**Risks of gassing and asphyxiation at
maintenance work – 31.10.2023**

René has a background as an Occupational Health and Safety Engineer working as Global Product Manager in the team of the Mobile Gas Measurement. He is responsible for the Dräger X-pid as well as Dräger's Electrochemical Sensors. In his role he is representing the most relevant interface between customer requirements and the company's own product development.

Good market knowledge and understanding customer's needs are therefore the prerequisites for a successful product and this is one of his highest priorities.

René has a nine year background as Project Leader in different shutdown projects at our customer sites all over the world. In his professional carrier he got deep insights in maintenance processes with a focus on applications in confined spaces.

Thomas Lawrenz

Global Trainer Dräger Academy



**Safe operations in confined spaces –
04.07.2023**

Thomas Lawrenz has a background as occupational as health and safety engineer. He is part of Dräger's Global Academy, working as a professionally accredited Vision Zero Trainer. Thomas is creating and deducting trainings in Confined Space Entry applications, i.e., entering or working in containers, silos, and tanks. Furthermore, he is focusing on rescue concepts, the cleaning and disinfection management, mental stress at workplaces and safe working in respiratory protection workshops.

With a clear vision of zero accidents he is developing new training concepts occupational health and safety and well-being.

Benedikt Müksch

Senior Expert Dräger Safety and Emergency Management



Benedikt joined Dräger in 2015. He is working as Senior Consultant for Safety and Emergency Management and is qualified as trainer for safety organization and safety culture. In his function as safety consultant, he is supporting industrial companies and public authorities to analyze their individual risk assessment and to set-up or rework their programs for emergency and hazard prevention, occupational safety, and fire protection.

**Invisible hazards: from risk
assessment to risk mitigation –
28.04.2023**

Timo Nienstedt

Global Product Manager



Mobile gas detection devices: your life insurance – 05.10.2023

Meet Timo, global product manager for Dräger's portfolio of single gas monitors. With over 10 years of experience in the gas detection industry, he has become a professional in developing and managing monitoring solutions for various industries.

Timo's passion for his work started during his time volunteering in a fire brigade where he witnessed the importance of gas detection technology in keeping firefighters and the public safe. His love for technology and innovation led him to pursue a career in engineering and product management where he has been able to utilize his knowledge to create advanced gas detection solutions.

As a global product manager, Timo works closely with cross-functional teams to develop, launch, and maintain single gas monitors that meet the needs of customers around the world. He collaborates with engineers, designers, marketers, and sales teams to ensure that products are not only technically advanced but also meet the needs of customers and are competitive in the market.

Timo is dedicated to creating products that help to protect people and the environment from gas-related hazards. His expertise in gas detection technology has enabled him to bring innovative solutions to the market, improving safety and making a positive impact on people's lives.

Marcus Oertel

Global Product Manager



Explosive gas atmospheres: preventive measures and gas warning devices – 08.06.2023

Marcus Oertel is global product manager for the area of electrochemical and catalytic bead sensors for stationary gas warning systems at Dräger Safety and works at the Lübeck headquarters.

Marcus has been working in stationary gas measurement technology for over 10 years, including as a product and project manager in the areas of flame detection, open path measurement and area monitoring by infrared cameras.

He has in-depth knowledge of the applicable norms and standards for explosion protection and gas measurement technology for primary explosion protection.

Frederike Schnalke

Product Marketing Manager



**Explosive gas atmospheres: preventive measures and gas warning devices –
08.06.2023**

Frederike Schnalke has been working at Dräger Safety in Regional Product Marketing since 2019.

She has several years of experience in business areas related to technology and digital solutions.

She is an expert in plant safety as well as gas and flame detection. In this regard, she supports our German sales organization with application and technical product knowledge around the Dräger portfolio of fixed gas detection systems.

14th meeting | 29 November - 1 December 2022

Safety and Health Committee meeting



worldsteel safety team

worldsteel safety team



Andrew Purvis

Director, Sustainable Manufacturing

purvis@worldsteel.org



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