



On-site Safety Service frees you up to focus on your core business

Implementation of and compliance with occupational health and safety regulations is a big challenge for many chemical companies: Correct maintenance of personal protective equipment and gas detectors, for example, ties up an enormous amount of personnel and financial resources. To help customers such as BASF focus on their core competencies, Dräger provides on-site support with a comprehensive range of services.

The challenge

“We create chemistry” – is the BASF claim. In order to be able to focus more on its core business, BASF is increasingly hiring external contractors for tasks that support production, such as erecting scaffolding, industrial cleaning or safety and maintenance services. One example of where Dräger supports BASF is with the On-site Safety Service at its most important worldwide location, in Ludwigshafen, Germany. The goal is to reduce costs while ensuring that the company's own high safety standards and the legal safety standards are met. In light of the increasing complexity of compliance with national and international occupational health and safety regulations, this is a big challenge. Among other things, it involves regular maintenance, calibration and adjusting of gas detectors, task-specific instruction and documentation. In Germany, the applicable regulations are the BG RCI¹ codes of practice T021/T023² regarding

the use and operation of gas detectors for toxic gases/vapours and oxygen and/or for explosion protection. They are derived from various EU standards such as DIN-EN 45544-1 (etc.) and DIN EN 50104 (etc.). Corresponding regulations also exist (among other places) in the USA (OSHA SHIB 05-04-2004).^{3,4} Both of these, in turn, generally serve as templates for other national regulations around the world.

In light of this, BASF Ludwigshafen requires a reliable and competent partner who can perform this task independently. There is also a demand for qualified safety personnel, rental equipment and flexible personnel resources; in particular, for trained safety technicians and safety engineers for short and long term projects.

¹ BG RCI: Berufsgenossenschaft Rohstoffe und chemische Industrie, <http://www.bgrei.de/>, accessed on 27 June 2016

² <http://www.bgrei.de/exinfode/dokumente/gaswarngerate/>, accessed on 27 June 2016

³ <https://www.osha.gov/dts/shib/shib093013.html>, accessed: 27/06/2016

⁴ OSHA: Occupational Safety and Health Administration, www.osha.gov, accessed on 27 June 2016



The solution

As a longstanding supplier of safety technology for BASF Ludwigshafen, Dräger is intimately familiar with the BASF requirements. Since 2010, Dräger has been covering the demand for On-site Safety Service at the Ludwigshafen site. The task goes beyond the mere supply and maintenance of gas detectors. It includes a broad portfolio of products and services: A total of four service technicians (as of June 2015) are currently employed full-time on site, and perform 1,200 maintenance procedures on up to 500 portable gas detectors a year. The maintenance work is completed in container facilities set up on the grounds by Dräger specifically for this purpose. Additional containers at the plant include the coordination centre for the safety guards who are also part of the scope of performance. They guard manholes and, if necessary, initiate the rescue process. All activities are documented in a contractor

management system provided by BASF. An average of 30 Dräger employees are on site to perform these tasks.

The Dräger On-site Safety Service portfolio in Ludwigshafen also includes the provisioning and staffing of Safety Shops. The Safety Shop ensures that sufficient quantities of occupational health and safety equipment such as breathing protection, gas detectors, fall protection and fire protection are available at all times. Dräger is also increasingly supporting BASF contractors with a range of services (e.g. rental detectors, safety guards, gas analysts). Seven Rental Robots have been set up at the plant to allow for the automated issuing and returning of equipment and consumables, such as gas detectors, breathing protection or other personal protective equipment. Complete documentation of loaning transactions as well as maintenance, service life and costs is performed as well.



INFO

The Dräger Rental Robot provides the automated, personal issuing of equipment. Documentation is performed according to the respective regulations: When was what issued to whom?

The added value

With the On-site Safety Service from Dräger, BASF Ludwigshafen is benefitting from a contractor who not only has the technical expertise, but is also an established business with a large staff. Dräger works at the plant on a fully integrated basis – this means that BASF trusts its service providers to meet all safety requirements and to operate independently. The flexible provisioning of personnel and material resources allows for more cost-effective project planning and implementation. Access to the Dräger product portfolio means that innovative technologies and applications like the Rental Robot or the modern area monitoring system Dräger X-zone® are frequently used. With this “full-service package”, BASF is free to “create chemistry”.



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IMPRESSUM

Drägerwerk AG & Co. KGaA
 Moislinger Allee 53–55
 23558 Lübeck, Germany

www.draeger.com