

Security / Plant & Process Safety

Plant and process safety engineering

Our services

Maintaining a high level of process and plant safety is an investment that pays off. You can reduce costs by minimizing damage to equipment and incidents that impact on people and the environment. At the same time you can maintain your positive image as a company that is aware of its corporate responsibility and acts accordingly. We offer you a comprehensive range of safety engineering services and solutions in the fields of explosion protection, electrostatics, safety devices, ventilation, building and laboratory safety. We can also advise you on all other aspects of safety engineering.

Your advantages

- With the safety systems we recommend, you can achieve appropriate and compliant plant safety levels at economical prices.
- You benefit from our experience in ensuring your process and plant safety. The safety concepts we select and the safety systems designed by our specialists are proven and effective.
- Our solutions enable you to avoid damage and reduce the costs caused by failures and machine downtimes.

Our strengths

Our chemists, physicists and engineers are highly qualified and internationally experienced specialists in the field of process safety and are accredited by the German employers' accident liability insurance associations as experts in explosion protection. On the basis of our extensive and varied knowledge, we can provide you with solutions for all aspects of safety engineering. As our experts have practical experience of production operations and plant engineering, you can be assured of services tailored to your specific needs, all from a single supplier.

Safety technology for emergency situations



A steam/ammonia curtain immediately neutralizes hazardous gases in the event of an accidental release.

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Service details

Safety engineering consulting

- Risk assessment
- Safety management systems

Explosion protection and electrostatics

- Assessment of explosive mixtures, ignition sources and electrostatic ignition hazards
- Design of concepts and measures for explosion protection and the prevention of electrostatic ignition hazards
- Evaluation of explosion risks and electrostatic influences
- Documentation in the explosion protection document

Inspection and maintenance in hazardous areas

- Design of maintenance concepts including test concepts and plans
- Testing of electrical and mechanical installations in hazardous areas by skilled personnel, including documentation of test results
- Design of training concepts for skilled personnel (e.g. practical training for technicians and skilled personnel)

Selection and design of safety devices

- Sizing of pressure relief systems
- Development of solutions for safe discharge
- Design of safety concepts using process control technology (safety instrumented systems)

Laboratory safety

- Consulting on laboratory safety issues and development of associated concepts

Ventilation and building safety

- On-site assessment of ventilation safety and development of ventilation concepts

Analysis and evaluation of incidents

- Simulation of failures (reconstruction/simulation of incidents)
- Expert reports

Contact

If you have any questions or would like further information about our services, please do not hesitate to get in touch.

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