

Process & Plant Safety

CSE-Engineering Center of Safety Excellence GmbH



Sizing & Consulting

Leadership & Training

360° Safety

www.cse-engineering.de

Safer Operation of Processes and Plants



CSE-Engineering Center of Safety Excellence GmbH is a professional and specialised service provider for process and plant safety solutions.

CSE-Engineering consults companies from the chemical, petrochemical, power, oil and gas industry in risk management, latest safety technologies and safety measures for plants and facilities.

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CSE-Engineering is Excellence at its Best!





Sizing & Consulting

Leadership & Training

360° Plant Safety

Testing & Certification

Engineering Services

 <p>RISK MANAGEMENT</p> <p>HAZOP, QRA Consequences Mitigation</p>	<p>SIZING SERVICES</p> <p>Safety valves Rupture discs Separators Quenches PLC devices Emission control</p>	 <p>ENVIRONMENT PROTECTION</p> <p>Dispersion calc. Toxic hazards Explosion prev.</p>
<p>SAFETY & SECURITY</p> <p>Consultancy Concepts Safety reports</p> 		<p>TYPE TESTING & SIMULATION</p> <p>Certification High-pressure Flow simulation</p> 







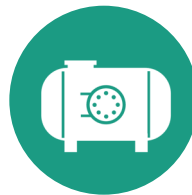
Sizing at the Cutting Edge of Technology

Safety measures beyond CEN, ISO, DIN, API or other standards are often a challenge. Extensive experience is needed to find economic and practical solutions when considering factors like:

- Exothermic chemical reactions
- Multi-phase flashing or frozen flow
- Compressible real gases at critical flow conditions
- Supercritical fluids and pressures up to 3400 bar
- Deflagration and detonation prevention
- Toxic hazard evaluation

ATEX 2014/34/EU
ISO 9001
ASME VIII
EN ISO 4126
VDI 3783 part 1+2
PED 2014/68/EU
ASME PTC 19
ASME PTC 25
12. BlmSchV
EN 61508 / 61511
VdTÜV data sheets 100/1-100/2
API 520
API 2000 A1+A2
EN ISO 23251

Protecting a wide Spectrum of Industries

						
Chemistry Petrochemistry	Hazardous Substances Transportation	Food / Beverage Industry	Power Industry Gas Networks	Offshore Industry	Pharmaceutical Industry	Construction Industry

Long-term Expertise

Over 50 years of industrial experience

Industrial experience in process and plant safety as employees of Hoechst AG in Frankfurt and BASF SE in Ludwigshafen.

Over 100 publications

Extraordinary expertise on safety concepts and methods in process and plant safety.

Over 200 plants

Wide experience in almost all types of plants.

Prof. Dr.-Ing. Jürgen Schmidt



- Director and CEO of CSE Center of Safety Excellence
- Professor at TU Karlsruhe (KIT) and TU Kaiserslautern
- Chairman: ISO TC185 (ISO 4126), DECHEMA, EDUG
- Member of VDI, AIChE, BAM, DIERS

Prof. Dr.-Ing. Jens Denecke



- Director and CEO of CSE Center of Safety Excellence
- Professor at University of Applied Sciences, Karlsruhe
- Advisory Board Valerius Fünér Foundation
- Working groups: DECHEMA, EDUG

Leadership in Safety Technology

CSE-Engineering improves market-leading knowledge and imparts safety experience. CSE-Engineering enhances safety technology to globally make processes and plants more safe. Safety made in Germany!

CSE-Engineering leads ...

- Industry groups like EURISG (European Industrial Sizing Group)
- Professional safety training (Applied Safety Premium Seminars) and Safety congresses.

CSE Center of Safety Excellence - Your Partner for Safer Processes and Plants -



360° Safety - a network of organizations for trend scouting, research and education as well as consultancy and sizing services in safety technology. This is what the CSE Center of Safety Excellence stands for.

CSE-Engineering solutions are enhanced by the unique proximity to research and shares the gained knowledge through services and through the exchange of experience with the industry.

CSE-Engineering Center of Safety Excellence GmbH

Safety made in Germany. Contact us now!

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