

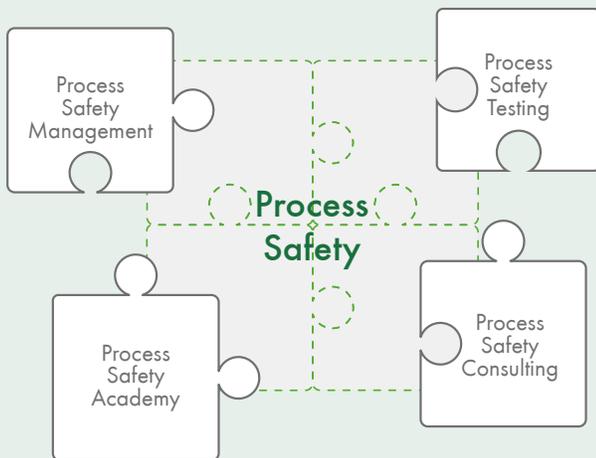
# DEKRA PROCESS SAFETY – Trusted Advisors for Process Safety Excellence





## Your Global Partner for a Safe World

The breadth and depth of our expertise in process safety makes us globally recognized specialists and trusted advisors. We help our clients to understand and evaluate their risks, and work together to develop pragmatic solutions. Our practical, value-adding approach integrates specialist process safety management, engineering and testing. We seek to educate and grow client competence to provide sustainable performance improvement. Partnering with our clients we combine technical expertise with a passion for protecting life and assets and reducing harm. As part of the world's leading expert organization, DEKRA, we are the global partner for a safe world.



For over thirty years we have provided specialist services for the identification, analysis, prevention and management of fires, explosions and accidental chemical releases in chemical and process industries.

### WHY PROCESS SAFETY?

Processing dangerous chemicals can result in a number of hazards, including the unexpected release of toxic, reactive, or flammable gases and liquids. If no reliable safeguards are implemented, these events can lead to disaster.

**Process Safety** = prevention and control of fires, explosions, and accidental chemical releases in chemical & process industries

In 2011, our parent company, DEKRA, with safety as its mission, acquired Chilworth, the proven leader in process safety. DEKRA Process Safety represents the collective expertise of our legacy Chilworth businesses - built on a merging of minds, uniting experts in our fields and leaders in process safety.

Across the globe, we help you achieve the most effective, practical approaches to safe and efficient operations and processes with a winning combination: specialist process safety management (PSM), and process safety engineering expertise, paired with the generation and use of process safety data. Our comprehensive laboratory testing services – from combustible dust and chemical reaction hazards to electrostatic properties and thermal stability – help your teams create safe operating parameters with precision and confidence.

These services, carried out by our global base of experts fluent in local codes, standards, and cultures, provide you with the knowledge needed to protect your operations against risks.

By sharing our expertise in the form of specially designed training programs, we develop long-term client relationships that foster the in-depth understanding required to achieve excellence in process safety.

## WHY DEKRA PROCESS SAFETY?

*“What sets DEKRA apart would be the technical expertise and the breadth of knowledge and the number of people that they have who can provide advice to us.”*

## Process Safety Management

Most companies dealing with hazardous substances have adopted one or more versions of a process safety management model, but the fragmented approach common to many of these efforts limits progress in reducing process incidents. The activities typically identified as PSM program components are interdependent and must be tied together by overarching elements that ensure their effectiveness and sustainability.

We not only assist you in meeting the legislative requirements for process safety management, but also apply our global process safety expertise to developing and supporting an effective, integrated process safety management program specific to your needs.

Our approach looks holistically at PSM



systems, the proficiency of facility staff at all levels, and organizational culture. Our experience has shown that this broader view of process safety helps ensure that a PSM program fits seamlessly into our clients' business models and operations and

is accepted and embraced by corporate management, staff, and employees. As a result, it becomes a real part of the company's culture and is successfully implemented throughout the lifecycle of operations, to lower process risks.



## Process Safety Testing

Process safety testing is used to develop the data on which fire and explosion hazard assessments and incident investigations is based. Testing focuses on assessing the flammability, combustibility, and thermal properties of materials, and specifically determining the temperature, pressure, and other conditions under which a fire or explosion will occur. Testing is performed in accordance with relevant international standards.

Our clients are constantly pushing the boundaries of science - developing new products, equipment, and technologies, and conceptualizing processes using new

materials and extreme conditions. Since we are your partner in these activities, our process safety laboratory experts are not satisfied simply with being proficient in standardized tests. Rather, we understand the tests and the underlying science, and are able to modify standard tests and develop new ones that generate the data and information needed to assess the safety and performance of new products, materials, technologies, and processes.

We maintain extensive standard laboratory and large-scale testing facilities for hazard analysis support.

## Process Safety Consulting

Process safety consultancy requires a wide range of specialized skills and competencies. DEKRA Process Safety has three decades of experience in providing these expert solutions. Whether you are carrying out a safety review, implementing safety audits or ensuring compliance with standards or regulations, we have the up-to-date resources and skills to complete the task. And if you require help with problem solving or incident investigation, you can rely on impartial advice and support from our experienced team whenever you need it.

Most importantly, our team is your team. Our consultancy services can be built around your precise business needs, whether adding to your capabilities or supporting you on a short, medium or long-term basis through our partnership programs.



No two sites or projects are exactly the same, so our team of skilled and knowledgeable experts will take the time required to fully understand your site, its operational needs and any staff training requirements necessary.

With a comprehensive knowledge of the latest regulations, our skilled and dedicated engineers will report objectively and confidentially, working alongside you to implement any changes in a constructive and manageable way.

## Process Safety Academy – Competence Development Programs

The DEKRA Process Safety Academy helps you improve process safety performance at all levels in your organization, through our open and in-company programs, tailored to your specific needs and designed to embed learning and raise internal proficiency in your staff.

Traditional classroom training does not embed competence in an organization, but is an important precursor. We provide training in all areas of process safety but critically embed and support classroom learning with a range of peripheral support

activities designed to ensure that internal competence is developed, demonstrable and sustainable.

- > Coaching and mentoring
- > On-site training (1:1, 1:team)
- > Project team engagement
- > Follow-up training
- > Competence assessment
- > E-learning and webinar support
- > Designated specialist telephone support

Your organization can benefit from our competence development programs delivered by our experts, tailored to your processes, sector and process safety programs. Our services can be delivered globally, in multiple languages all based on a core, agreed syllabus to ensure absolute

consistency across your business. Our training program is cost effective for larger numbers of delegates and is available at a range of depths and levels, suitable for operator training, specialist/technical and board/senior management awareness.



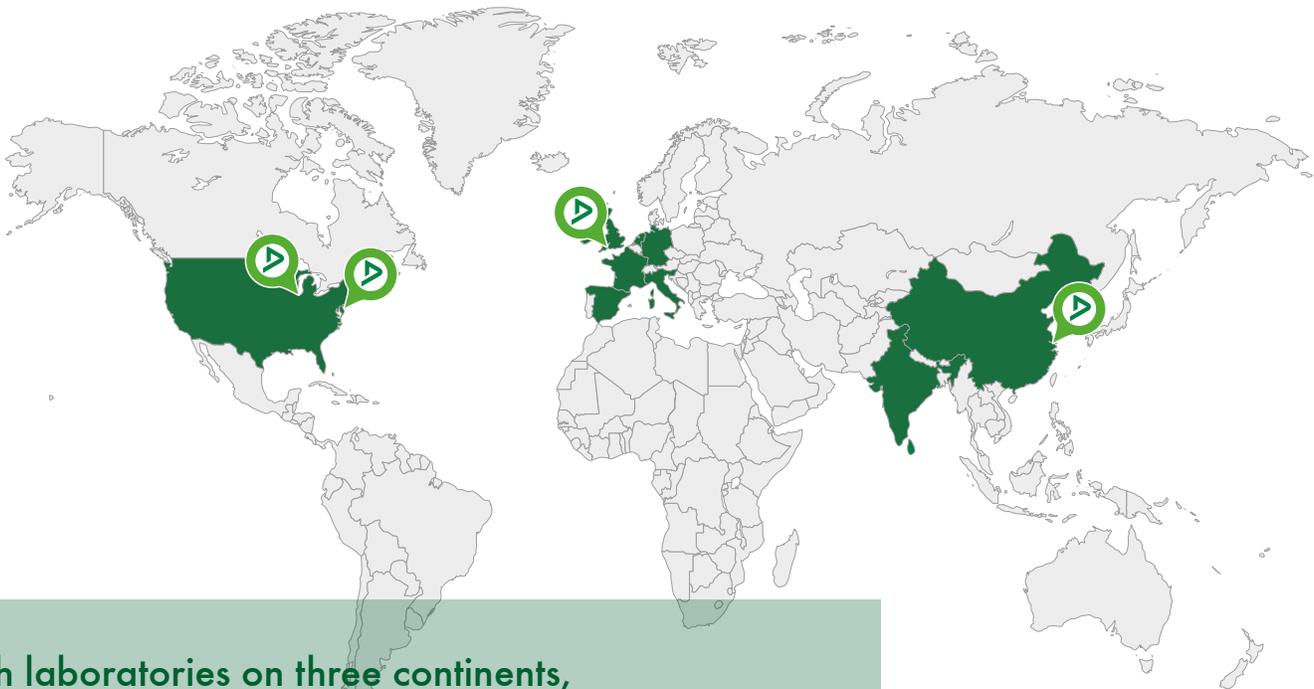
## Industries We Serve

Our client base covers more than 20 countries, and includes companies in the following fields:

- > Aerospace
- > Agrochemicals
- > Chemicals and fine chemicals
- > Cosmetics
- > Engineering
- > Food and drink
- > Governments
- > Insurance companies
- > Law firms
- > Metals
- > Oil and petrochemicals
- > Personal household products
- > Pharmaceuticals
- > Plastics and rubber
- > Power, water and waste
- > Wood and paper

## Our Mission Worldwide: to Ensure Safety

Our locations in North America, Europe and Asia include fire and explosion hazard evaluation laboratories and facilities suitable for engineering workshops. In addition, we have our own instrument fabrication site.



With laboratories on three continents, and a large-scale testing facility, DEKRA Process Safety is a leading provider of process safety testing services. On the 100 plus acre large-scale test site any solid, liquid or gas can be tested for initiation sensitivity, speed of propagation, and explosiveness.

# Towards a New Approach to Process Safety

The time has come to approach process safety in terms of gains and not costs, in terms of business excellence on a par with occupational safety at work or quality assurance. Process safety must be integrated within the different processes of your organization as part of a global approach integrating skills, systems and culture. It becomes a real value for the company.

For some organizations, efforts in preventing major hazards are limited to what is prescribed through legislation. The primary objective is to obtain, often at the lowest possible cost, an operating permit, a certificate of conformity, a technical report; in short, the paperwork that is strictly necessary.

We go beyond the pure regulatory compliance approach by implementing a

process safety management system. We then help make it work effectively by supporting organizations in developing the skills, the organization and the culture specific to process safety, as opposed to safety at work.

We employ a highly educated staff holding doctorates in engineering and science as well as graduate engineers, scientists and technicians. Our senior consultants are

internationally recognized experts in their specialist fields, and many have served on national and international standards committees.

We deliver consistent quality worldwide and meet the needs of multinational companies that require integrated, consistent services tailored to local cultures and operational and regulatory requirements.

## WHAT OUR CLIENTS SAY....

*"We know that if we have a process safety problem and we want a company that knows a lot about process safety beyond what we can do in-house, anything more complicated...we go to DEKRA Process Safety to arrange."*

*"A very professional consultancy work and service delivered with thorough safety assessment and excellent report and summary. Very good after service response and support to our follow up query"*

*"Particularly pleased with the updates along the way - they were clear on timings, on what would be done by when, and also shared the results as soon as completed"*

*"I thought the course was clear and informative. The course leaders were excellent"*

**DEKRA Process Safety.**  
**Safety is not only our mission;**  
**it is our calling.**

Would you like to get more information?

Contact Us

[www.dekra-process-safety.com](http://www.dekra-process-safety.com)

