

## Sharing knowledge...

**Shift your horizon.  
 Feel free to contact us.**

### ExELect Experimental Explosion Lecture

Crackling flames. The boom of exploding particles. The acrid smell of sulphur... Once someone experiences a live explosion, they will never forget it. They walk away with a healthy respect for the potential hazards in the workplace. And a better understanding of how to prevent these accidents from happening in the first place.

#### Advantages of this exciting demonstration

- Complies with European directives for occupational safety education (certificate provided)
- Creates an unforgettable experience for participants
- Makes safety information interesting and exciting by actively involving participants
- Raises employee awareness of explosive risks
- Can contribute to fewer work related injuries and incidents

#### What can we do for you?

We offer a variety of ExELect courses that put on an exciting and entertaining live demonstration of real explosions in a lab environment. Attendees are actively involved in the sessions. It's a very effective way to raise people's awareness of the dangers involved in working with flammable or explosive materials. Participants over the years have said that the demonstration woke them up to the risks in their workplace and made a very deep impression on them.

#### Who should attend

People who work around chemicals, gases and other materials. Technicians, supervisors, engineers, quality managers or Safety, Health and Environmental managers at manufacturing plants. Staff who formulate policy, implement plans or influence procedures that are part of an employee safety program. All of these people need to stay on top of current safety requirements, regulations and accepted safe working practices.

#### What people experience

- Physical and chemical explosions
- What happens when a pressurised liquid goes above its boiling point
- How different kinds of vapours behave under different conditions
- What an implosion looks like
- A dust explosion

#### How to prevent accidents

At the end of the course, people will have a clear understanding of the risks involved in working with flammable or explosive materials. They can identify sources of ignition, the influence of geometry, confinement and other environmental risk factors. They also know what safety precautions to take to prevent explosive incidents.

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#### **Customised for your organisation**

ExELect is a scalable portfolio of courses that can be customised to the size and needs of your organisation. Some popular modules are:

- ExELect Basic: Half day introduction course for employees of all levels. It includes live explosive demonstrations and theory. Can be given at DSM Resolve or at another location with the proper facilities.
- ExELect Advanced: Two day course for employees of all levels. It can include live explosive demonstrations, case studies, theory and hands-on practice for participants.
- ExELect Intensive: Multiple day course for employees who work intensively with flammable and hazardous materials. Course content is tailored to the materials used. It can include live explosive demonstrations, case studies, theory and intensive hands-on practice for participants.

#### **Shift your horizon**

The border between the earth and sky changes whenever you change your perspective. At DSM Resolve we can help you shift your horizon to address your challenges. We are a competence center that offers the full spectrum of R&D support for products and processes based on years of experience in the chemical arena.

#### **For further information:**

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