

# PROTEGO® Research and Development

## The worldwide largest research center



Explosion test with DN 800 / 32" pipe



Atmospheric deflagration

### THE TESTING FACILITY

PROTEGO® operates the world's largest research center for the experimental study of flame arresters. We have been testing all types of Flame Arresters here for over 30 years. Our test facility has the necessary test gases and equipment and experienced technical staff for the safe execution of both explosion and fire tests.

### BENEFITS

Customers can benefit from our experience and knowhow. PROTEGO® has successfully tested and received approvals, in accordance with both European and international standards, for many devices sized DN 10 (1/4") up to DN 1000 (40").

### WE SUPPORT YOU

We support our customers by developing and optimizing devices for protection against overpressure and vacuum, deflagrations, detonations and burning.

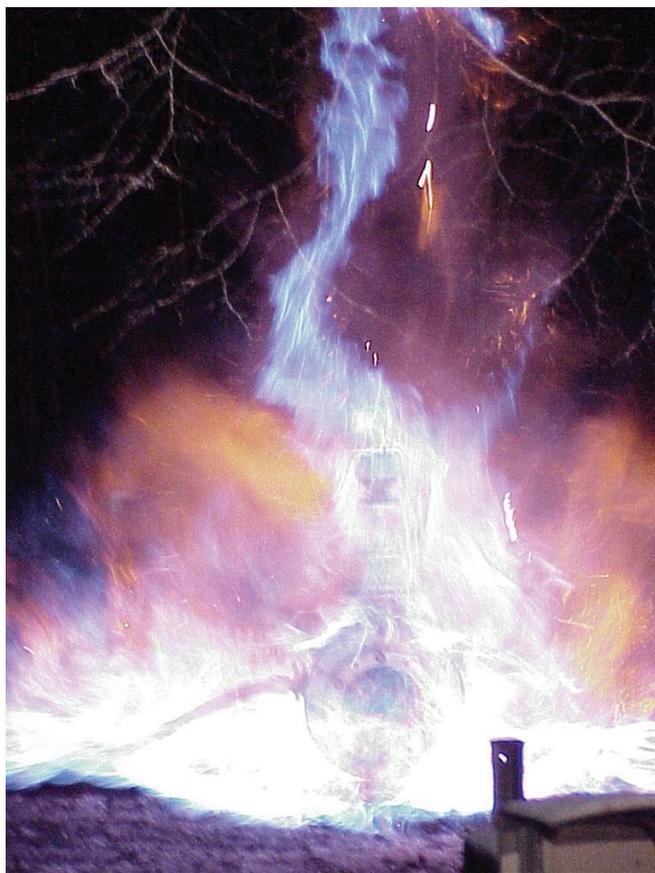
We can supplement our test reports with high-speed video recordings.

# We find the perfect solution for you.

## Services for Explosion Protection

### BENEFIT FROM PROTEGO® KNOWLEDGE OF EXPLOSION PROTECTION IN THE FOLLOWING AREAS:

- Exhaust gas systems (forklift trucks, industrial plants, vehicles, aircraft etc.)
- Equipment (analytical apparatus, pumps, blowers etc.)
- Development and testing of customer specific, application-oriented solutions
  - Examples: Flame Arresters for building venting in power plants; deflagration proof Pressure and Vacuum Relief Valves for gas pipelines with up to 80 bar relieving pressure.
- Customer service (determining the maximum experimental safe gap of substances and mixtures; selection and design of safety devices)
- Storage tanks for flammable liquids (e.g. testing of endurance burning proof devices, deflagration proof Pressure and Vacuum Relief Valves for offshore production platforms)
- Proof of the operational reliability of devices against gas explosions and fire
- New technologies (fuel cell applications)
- Reaction container (fermenter in biogas plants)
- Testing of customer specific devices with and without integrated PROTEGO® Products
- Transport of dangerous goods (tank cars, tanktrucks, shipping - protection of storage tanks, slop tanks, gas collecting pipes, vapor recovery pipes, loading arms etc.)
- Approval of devices and safety systems on behalf of the customer in cooperation with a notified body



*Atmospheric deflagration*

IN CASE OF QUESTIONS FEEL FREE TO CONTACT US! OUR **PROTEGO®** TEAM IS HAPPY TO ADVISE YOU!

### CONTACT

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