



**Innovative Protection  
For Critical Environments**

A firefighter in full gear, including a helmet and jacket, is climbing a ladder. The scene is set against a solid red background with faint, geometric patterns. The firefighter is positioned on the left side of the frame, looking upwards.

# Advanced Fire Suppression Solutions for Modern Industry

Over the past decades, DSPA has developed and manufactured aerosol fire suppression technologies used by customers around the world. The company originated from the need to create a sustainable alternative following the phase-out of Halon. Since then, DSPA has become widely recognized for its condensed aerosol generators, designed to provide reliable fire protection across a wide range of applications.

**Today, our solutions are used by governments, firefighters, first responders, and industries seeking effective alternatives to conventional pressurized fire suppression systems. DSPA aerosol technology can be deployed in both engineered fixed systems and portable units.**



# Typical Applications for DSPA Aerosol Technology

DSPA aerosol fire suppression technology is used worldwide to protect enclosed technical spaces and critical infrastructure.

The compact and non-pressurized generator design allows installation in a wide range of industrial, energy, transport and infrastructure environments.



## Electrical & Control Equipment

- Electrical Cabinets
- Switchgear
- Control Panels



## Industrial & Remote Equipment

- Wind Turbines
- Industrial Machines
- Remote Enclosures



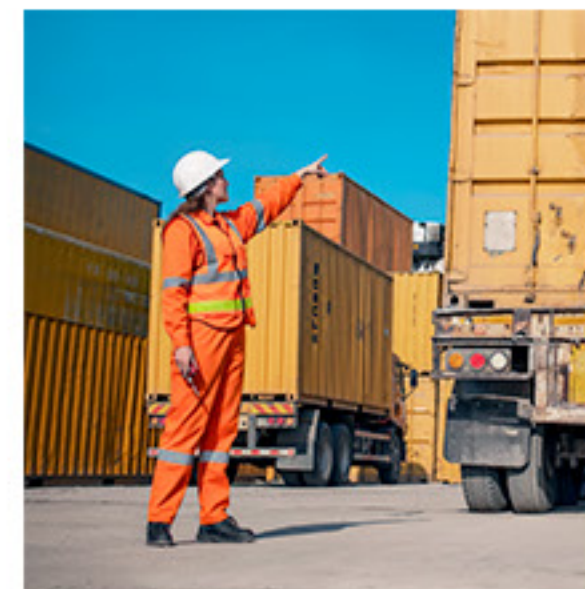
## Energy Storage Systems

- Li-ion batteries
- UPS
- Storage containers



## Critical Infrastructure Rooms

- Data Centers
- Telecom
- Control Rooms



## Machinery & Mobile Equipment

- Engines
- Heavy-duty Vehicles
- Mobile Equipment

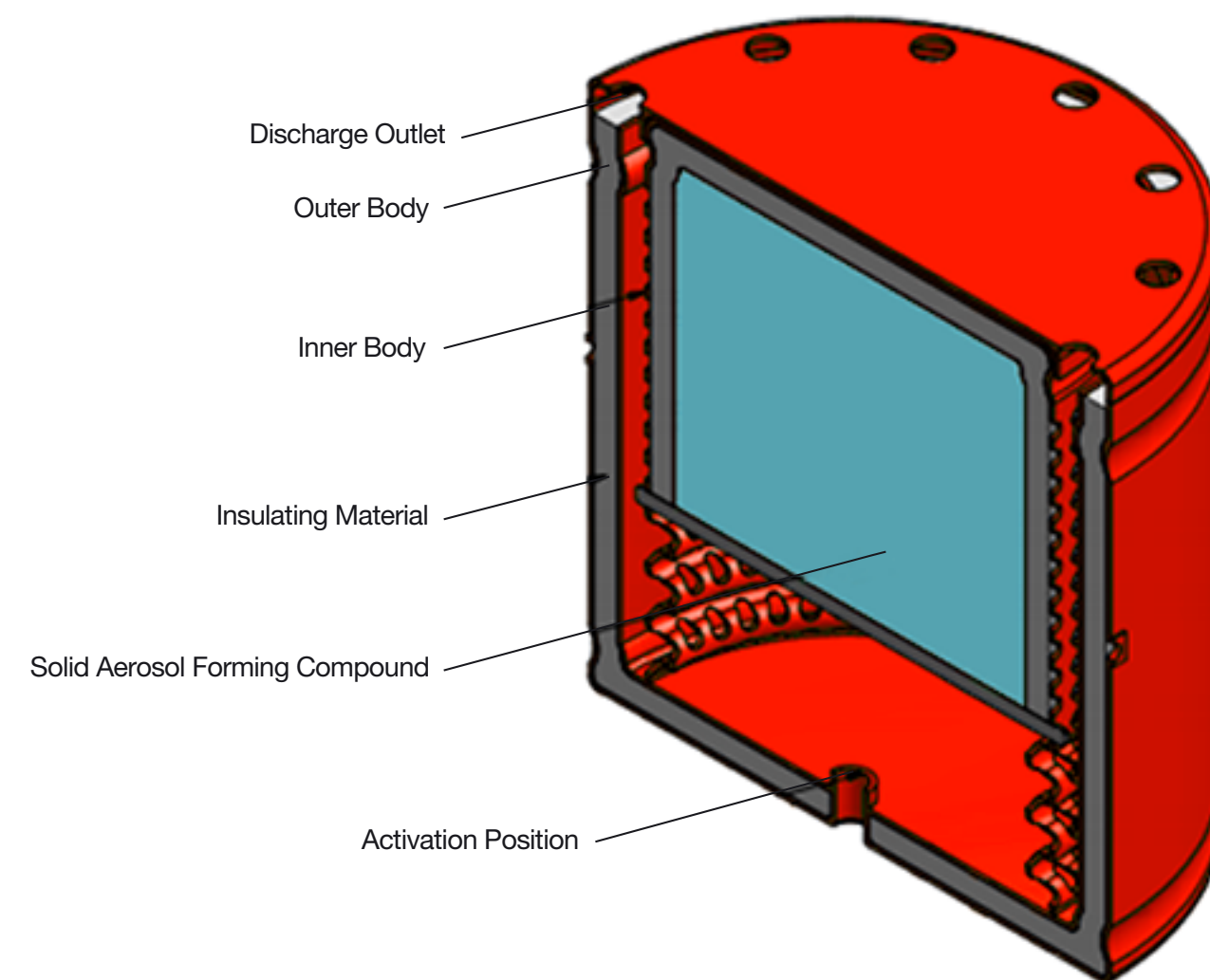


## Marine & Offshore Compartments

- Ships
- Offshore
- Confined Compartments

# Efficient Protection for Enclosed Spaces

Each generator contains a solid aerosol-forming compound that, once activated, rapidly releases a dense aerosol cloud capable of suppressing fire at a chemical level. Because the generators are non-pressurized and require no pipework or storage cylinders, they can be installed directly inside the protected compartment.



The aerosol is self-generated by a combustion process of the solid aerosol-forming compound, activated by an activation device, also known as the starter.

The solid micro particles fill the compartment completely and attack the combustion process of a fire at a chemical level. As a result, the flames are instantly knocked down and the energy is removed from the fire.

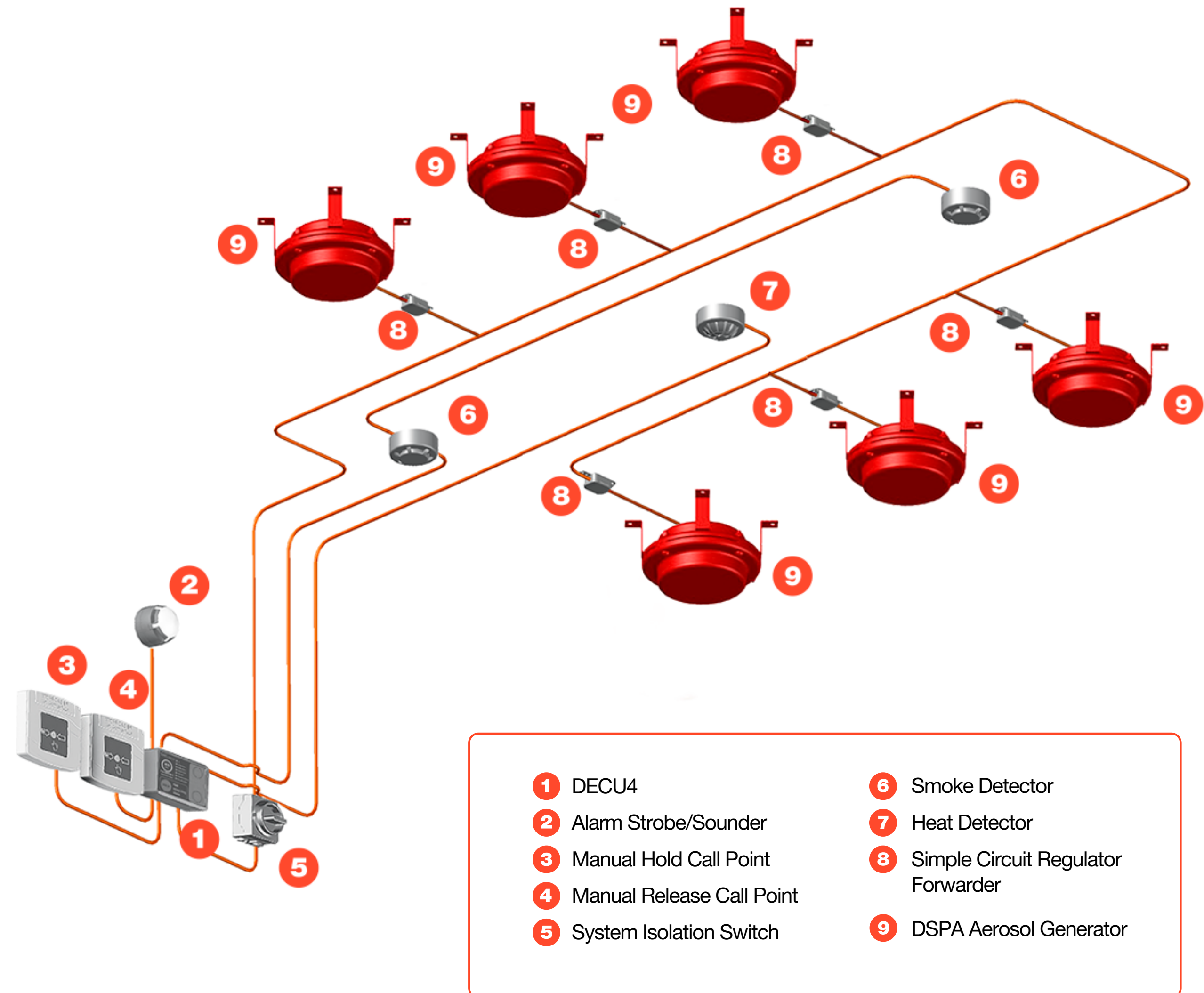
# Seamless Fire Control Integration

DSPA aerosol generators operate as part of a conventional fire detection and control architecture. The system can be connected to standard fire alarm control panels (FACP) and activated by smoke, heat or other detection technologies, depending on project requirements.

**Designed for integration across a wide range of applications, the activation concept supports distributed protection layouts while maintaining a single control logic.**

## Key integration characteristics

- Compatible with standard fire detection systems
- Supports multiple generator activation
- Scalable system architecture
- Suitable for distributed protection layouts





# Aerosol Generator Range

DSPA Aerosol generators are available in a wide range of capacities. This allows systems to be configured for small electrical cabinets as well as larger industrial rooms.

## SMALL COMPARTMENTS



DSPA 12-5



DSPA 12-4



DSPA 12-3



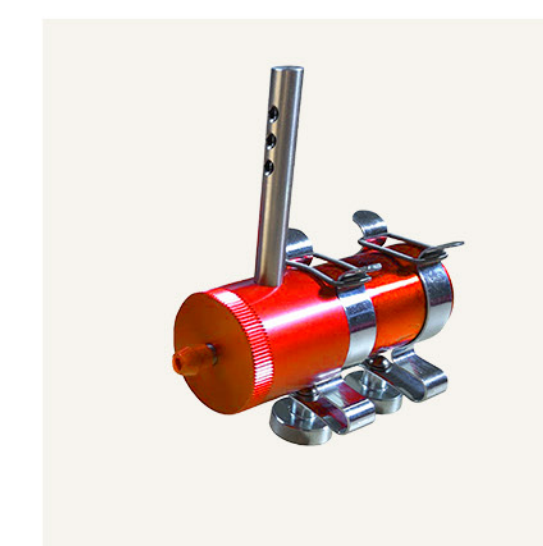
DSPA 12-2



DSPA 12-1



DSPA 0.90-2



DSPA 0.45-2

## MEDIUM COMPARTMENTS



DSPA 11-1



DSPA 11-2



DSPA 11-3



DSPA 11-4



DSPA 11-7

## LARGE COMPARTMENTS



DSPA 11-5



DSPA 11-6



DSPA 2-4-1



DSPA 8-1



DSPA 8-2

# Certifications

DSPA Aerosol generators used in fixed fire suppression systems are CE-marked and certified according to internationally recognized standards for condensed aerosol fire suppression systems.

### Compliance

- EN 15276-1 certified
- ISO 15779 certified
- AS 4487 certified
- UL 2775 compliant
- Compatible with EN 54 fire detection systems

Testing and certification include EN 15276-1 and ISO 15779, as well as the KIWA BRL K21045 certification scheme (Scope E – Fixed firefighting systems – Aerosol systems), ensuring compliance with strict international requirements for aerosol fire suppression technology.

DSPA aerosol generators are also listed under the U.S. Environmental Protection Agency's Significant New Alternatives Policy (SNAP) program as approved substitutes for Halon and other ozone-depleting substances.

DSPA continuously invests in quality assurance and certification programs. Our production facilities are audited regularly under KIWA certification schemes and the BSI Kitemark, ensuring consistent product performance and manufacturing quality.



# Portable Aerosol Units 5-Series

In addition to the fixed fire suppression systems, DSPA aerosol technology is also available in portable intervention units.

The DSPA 5-Series is designed for rapid manual deployment by trained personnel during fire incidents. These compact units allow fires to be quickly suppressed or controlled in enclosed spaces, helping prevent escalation and buying valuable time for emergency response.

**The portable units are used across a wide range of environments where quick intervention is critical, including marine vessels, wind turbines, industrial facilities, technical rooms and remote equipment compartments.**





DSPA 5-2



DSPA 5-1



DSPA 5M



DSPA 5-4



DSPA 5-3



**ACTIVATE**



**THROW**



**CONTAIN**



**ACCESS**



**Contact**

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