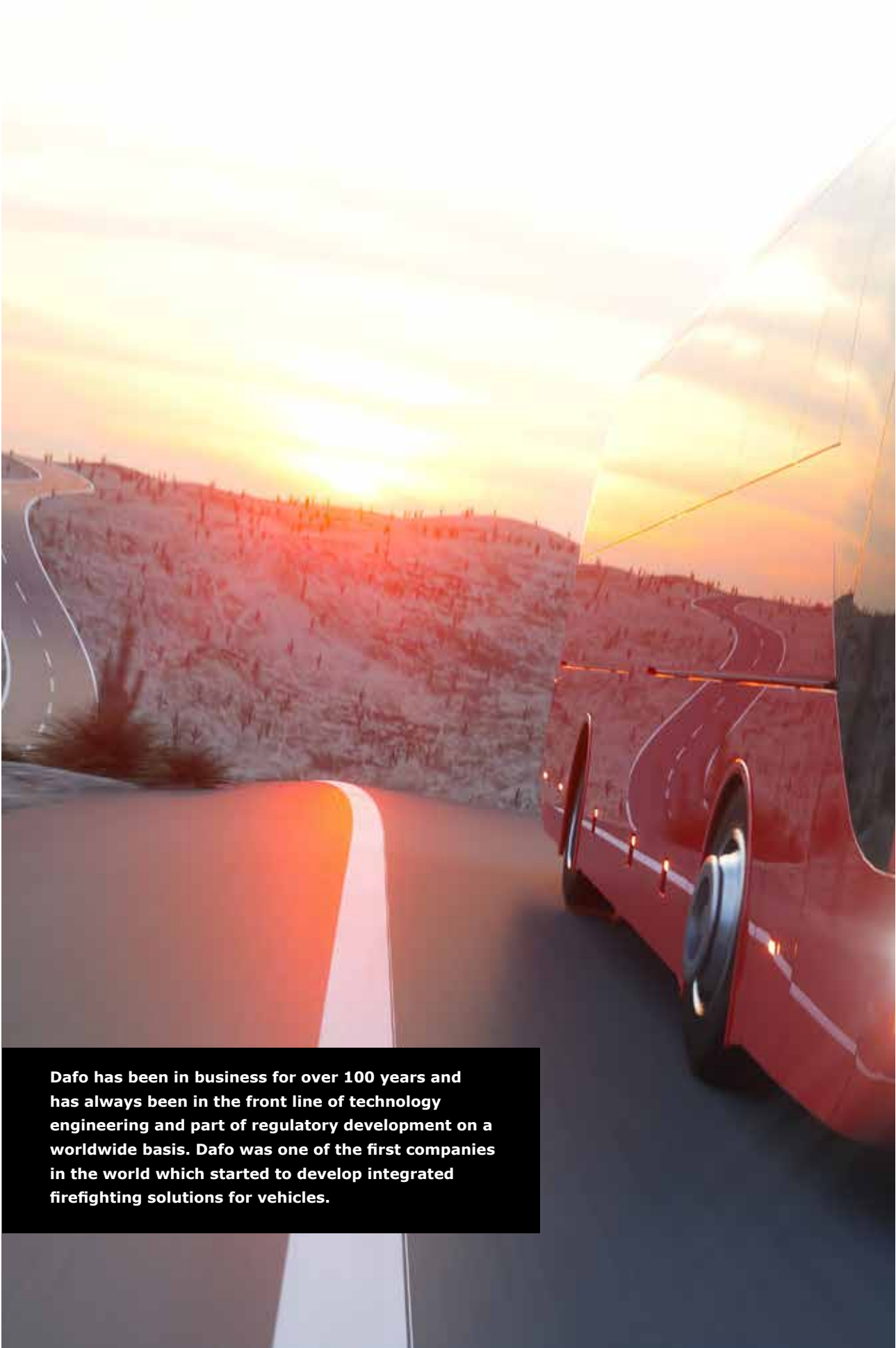


FIRE PROTECTION SYSTEMS FOR BUSES AND COACHES





Dafo has been in business for over 100 years and has always been in the front line of technology engineering and part of regulatory development on a worldwide basis. Dafo was one of the first companies in the world which started to develop integrated firefighting solutions for vehicles.

Protecting What Matters: Advanced Fire Suppression for Buses

Most bus fires originate in the engine compartment or surrounding areas. To effectively address such incidents, a tested and certified vehicle fire suppression system combined with a reliable fire detection system serves as the most effective first line of defense.

At Dafo Vehicle, we've leveraged years of experience and insights from real-world installations to continuously improve our solutions, minimizing false alarms and unnecessary activations. Today, we are proud to offer three state-of-the-art fire suppression systems tailored specifically for buses and coaches. These systems are designed with innovative technology, eliminating the need for vulnerable, pressurized agent containers while delivering unmatched reliability.



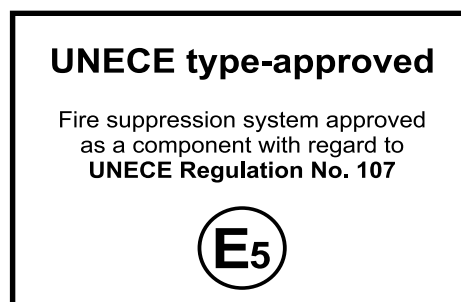
Reliable Fire Protection for Every Environment

With over 165,000 vehicle systems sold worldwide, Dafo Vehicle brings unparalleled know-how and experience to ensure that our customers benefit from the latest technology paired with proven reliability. Our systems are trusted globally, whether integrated into OEM production lines or retrofitted for end users.

Buses operate in a wide range of challenging environments—from deserts to tropical climates, arctic conditions, highways, and mountainous terrain—and these conditions test the limits of fire suppression systems. That is why Dafo Vehicle's fire suppression systems undergo rigorous testing for fire performance and environmental durability, including Electromagnetic Compatibility (EMC), vibration, corrosion, and extreme temperatures, in line with international vehicle standards.

Our systems meet the highest safety and performance standards, including certification under UNECE Regulation No. 107, P-marking in accordance with SPCR 183, and compliance with the Australian Standard AS 5062:2016, which aligns with the Zambia Bureau of Standards ZS1209/2019.

Engineered for durability. Certified for safety. Trusted worldwide.

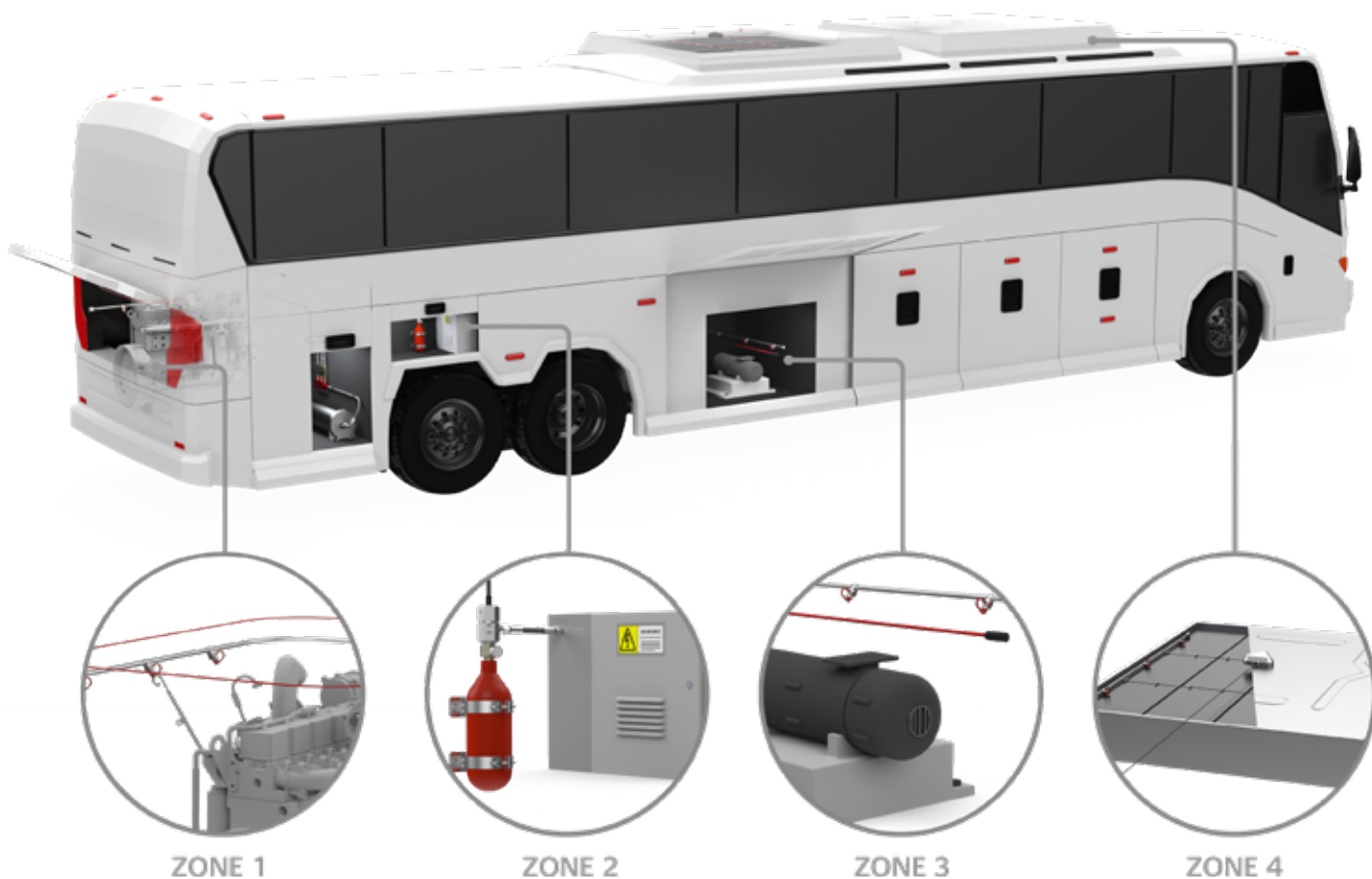


Electric & Hybrid vehicles

Dafo Vehicle has developed a full coverage multi-zone fire protection solution in response to the urgent need for risk mitigation in EV and HEV vehicles. The suppression agent Forrex EVO™ is used as one part of the complex system solution and it provides effective cooling capacity to slow the fire development for allowing safe evacuation of passengers. In order to cover all risk areas in

the EV or HEV vehicle, the main risk scenarios are typically divided into four protection zones.

The different protection zones are then protected in various ways by robust detection and suppression systems – both liquid based and gas-based solutions.



Zone 1 Engine compartment

Protection applied for combustion engine (HEVs) and compartment with electrical components (EVs) based on Dafo Vehicle's well proven liquid based fire suppression system.

- Liquid based FORREX agent.
- Robust detection/suppression technology.
- Prevents re-ignition.

Zone 2 Electrical hazards

Electric systems are a common failure source on conventional vehicles that now increases in risk with the addition of high voltage, high power traction systems.

- Detection using heat or smoke detection or combination of both.
- Clean extinguishment without any residuals through our PFK system with agent gas FK-51-2-12.

Zone 3 Traditional hazards

Many of the traditional hazards still exists and has to be taken into account. Heaters, AC units and hydraulic systems all present a potential fire hazard.

- General system feature.
- Liquid based FORREX agent.
- Robust detection suppression.

Zone 4 Batteries

Dafo Vehicle's liquid based fire suppression system is used to protect battery pack from external fires as well as to provide maximum cooling in case of a thermal runaway battery fire in order to create sufficient time for evacuation of passengers.

- High sensitive gas detection for early warning.
- Robust Dafo Vehicle linear detection.
- Double amount of liquid compared to normal combustion engine application is used.

Dafo^{CLOUD}

The Dafo^{CLOUD} is a cloud-based risk management system to provide full overview of lifecycle of Fire Detection and Suppression System (FDSS).

The Dafo^{CLOUD} provides access to the full history and genealogy of sub-systems of the FDSS and the complete information is seamlessly accessible and updatable by relevant stakeholders.

The restricted access database contains information about the whole life cycle of each FDSS:

Manufacturing

- The electrical sub-systems of FDSS are always individually tested, programmed and configured by using equipment connected to Dafo^{CLOUD} which enables full control and visibility about detailed test reports but also firmware files, settings and configurations used over the time.

Installation

- The FDSS-specific installation documentation is accessible for technicians via Dafo^{CLOUD}.

Maintenance

- Both planned and unplanned maintenance activities, including associated time-stamped reports, photos/videos and reminders for next actions will be stored and handled by Dafo^{CLOUD}.
- Historical event logs of Control Units can be accessed from Dafo^{CLOUD} for in-depth analysis

The Dafo^{CLOUD} is the basis for reducing and controlling the total cost of ownership with keeping maximized safety in focus.



Service



Spare Parts



Safe with Dafo Vehicle



Active fire protection is an integral part of systematic and effective fire prevention. Together with Dafo Vehicle, you'll always get the most effective solution so that you can limit fire damage, reduce downtime and increase productivity.

Since the start back in 1919, Dafo has developed into a modern, high-tech company committed to offer the very best solutions to our customers.

Dafo Vehicle has three main business areas: Integration (Fire suppression systems integration into OEM production line, Retrofit (Fire suppression systems installed at final customer) as well as Service & Maintenance.

The Dafo group today consist of several subsidiaries and Dafo Vehicle Distributors and Service Providers worldwide.

Do not compromise safety – get in touch!

