STRIKER®

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OSHKOSH AIRPORT PRODUCTS

Designed by you. Designed for you. Designed to respond. The new Striker® ARFF vehicle maximizes innovation in the runway response industry with world-class fire suppression, mobility, visibility and working space.

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ARFF Technology Advancements Improve Aviation Safety and Efficiency

ARFF (aircraft rescue and fire-fighting) crews conduct lifesaving work daily as they face harsh conditions and hazardous scenes.

When navigating the complex environment of an aircraft emergency scene, equipment choice doesn't just matter; it saves lives. Selecting apparatus with the right specifications and technology features allows crew members to focus on the mission at hand.

What are some of the latest ARFF apparatus and technology advancements that will improve the safety and efficiencies of airport fire departments? Let's review the newest features of the most advanced ARFF fire apparatus available today.

The Oshkosh® Striker® 4x4, 6x6, and 8x8

In early 2021, Oshkosh Airport Products introduced the next-generation **Oshkosh Striker** ARFF

with innovative technology systems for 4x4, 6x6, and 8x8 configurations. The fire apparatus retained its remarkable legacy features, with newly upgraded features to maximise innovation in the runway response industry.

The new Striker ARFF vehicle has an optimised cockpit, updated body styling, and advanced mobility, vehicle performance, and response flexibility. With this apparatus, aircraft rescue and firefighting crews can take on hazards with extreme precision in the most unforgiving conditions.
Known as the most capable ARFF vehicle ever built, the Striker 8x8 reaches 50mph (80km/h) in less than 20 seconds with fewer emissions while exceeding NFPA, ICAO, and EU standards. The operator-friendly cab is virtually interchangeable with the Striker 4x4 and Striker 6x6 models.

Additional features include:

Ergonomic Cockpit with Optimised Visibility

Operator safety and comfort are often the top priority for ARFF chiefs and department representatives assisting with vehicle acquisition. The new Striker ARFF vehicle offers thoughtful placement of buttons and colour-coded controls for simple and quick operation. The enhancements were a result of customer feedback which drove alterations to the driver experience, allowing for greater focus on the task at hand.

ARFF crews have also voiced their desire for cab visibility that provides full detection of any collision threat and a thorough view of a fire scene. The new Striker ARFF vehicle addresses this request with a centre steer driving position and unparalleled visibility. The apparatus' optional 360-degree camera offers a bird's eye view of the vehicle and surroundings for increased situational awareness.

Extreme Mobility and Manoeuvrability

Suspensions are the foundation of an apparatus and impact everything from mobility to comfort. Developed by Oshkosh Corporation, TAK-4® independent suspension offers a high standard of mobility for heavy-duty vehicles, including ARFF apparatus. TAK-4 is proven to increase vehicle mobility, off-road speed, load-carrying capacity and ride quality.

Innovative Fire Suppression and Electronic Foam Proportioning

In an ARFF emergency scenario, advanced fire suppression technologies and fire suppression agent conservation are critical. Oshkosh Airport Products now uses an onboard air compressor that offers unlimited CAFS firefighting capability without having to recharge air cylinders. Other new fire suppression technologies found on the Striker ARFF vehicle include the Oshkosh power divider which allows for pump and roll in any condition, the **Snozzle®** HRET available in 50' or 65', the **Oshkosh K-Factor™** system which rapidly displays the position of the Snozzle's piercing tip to the fuselage, and the **ECO EFP™** system for easy measurement of foam percentages

from every discharge on the vehicle, without discharging foam.

Efficiency and Safety

Technology that supports crew efficiency and safety should be built into each element of an ARFF vehicle. From fleet continuity to the placement of controls, all aspects of design should support firefighters' ability to function at the highest level. The new Striker vehicle offers engineered features to keep occupants safe, including ESC (electronic stability control) – a braking system that slows the vehicle down by depowering the engine and applying the brakes when it senses an imbalance event due to low-friction surfaces.

Other safety features include side-curtain airbags and seat belt pretensioners as an optional system integrated into the cab, and Carcinogen Awareness and Reduction to Exposure (C.A.R.E.™) clean options, including cleanable seats and interior surfaces, exhaust options, and custom add-ons like decontamination shower heads to reduce exposure to soot, exhaust particles and other carcinogens.

The Future of ARFF Technology

Oshkosh's Fire & Emergency Segment, which includes Oshkosh Airport Products, is dedicated to supporting the ARFF industry's work by maintaining a focus on emerging technologies and trends in the development of fire apparatus. Driven by the mission to protect and serve people worldwide with an integrated and comprehensive approach to emergency response, Oshkosh vehicles are engineered and built to move industries forward. Across the family of brands, the latest advances are shared throughout all business segments to ensure each product is designed better than the last.

Learn more at **www.oshkoshairport.com**.

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