



Z-Class 

Specialists for airport fire departments

Z-Class airport rescue and firefighting vehicles – guarantee for airfield security



We provide security.

[www.ziegler.de](http://www.ziegler.de)



**We are**

**ZIEGLER**

As a future-oriented group, the ZIEGLER Group focuses on long-term business based on performance, reliability and sustainability.

A firefighting vehicle is an investment in the future. To ensure that this investment pays off for our customers, we guarantee the highest level of quality and innovation. That means: perfect craftsmanship, outstanding stability, optimal corrosion protection and flexibility for individual customer requirements.

This is complemented by our extensive range of firefighting equipment and components, which also meet the highest quality standards.



**We provide security.**

Our brand promise makes clear what ZIEGLER stands for: We see the protection of public security as our ultimate objective. In order to accomplish this task, it is our motivation and our approach to offer the best and most competitive portfolio of firefighting and emergency management solutions. We assume responsibility with respect to customer requirements and their satisfaction.

# The new **Z-Class**

Airport rescue and firefighting vehicles

One platform – three types – many variants



**Perfect acceleration**  
thanks to our new drive  
concept

The modular concept,  
weight distribution and  
low center of gravity  
allow **largest quantities**  
**of extinguishing agent**  
of up to 19 tons

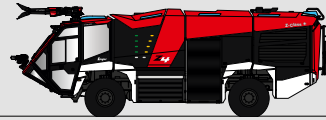
**Pump and roll** in any  
driving state and at any  
speed

**Extremely spacious**  
**cabin** with a headroom  
of 1.8 meters and best  
panoramic view due  
to almost 11 m<sup>2</sup> glass  
surface

**Unique user-friend-**  
**liness** thanks to clear  
control arrangement  
on dashboard, center  
console and roof console  
in the new Z-Cab AiR



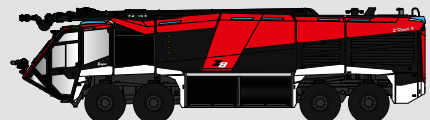
Z4



Z6



Z8



## Airfield allrounder

With the Z-Class, we are able to offer the perfect airport rescue and firefighting vehicle for the different requirements at the airport. A modular concept allows the configuration of 4×4 up to 8×8 vehicles in accordance with ICAO on a uniform platform.

## As flexible as the operational situations

Z-Class vehicles fulfill a wide range of tactical requirements in terms of vehicle size, extinguishing agent quantity and special attachments and installations.



# Security

Over 50 years of experience

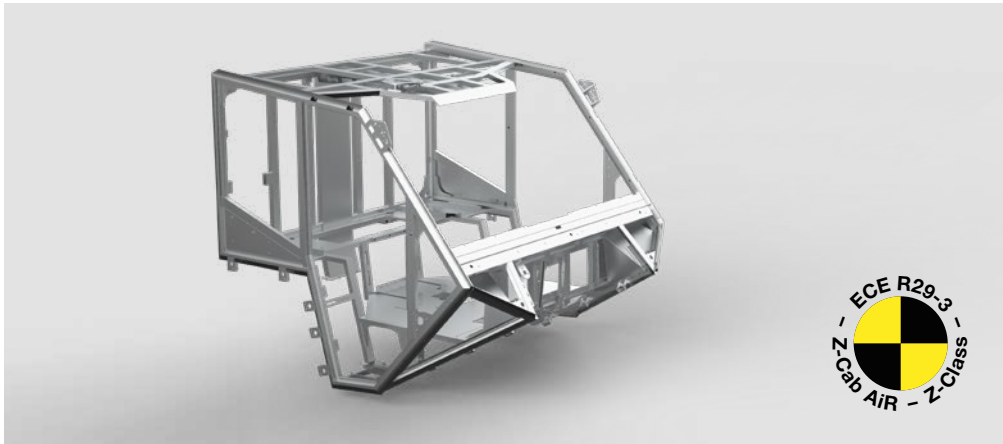
Aviation security starts and  
ends on the ground



For more than five decades, the ZIEGLER brand stands for safety at airports all over the world. Airport rescue and firefighting vehicles are considered as the top tier amongst firefighting vehicles for good reasons. Designing and producing such vehicles takes special skills and extraordinary engineering know-how. ZIEGLER offers both.

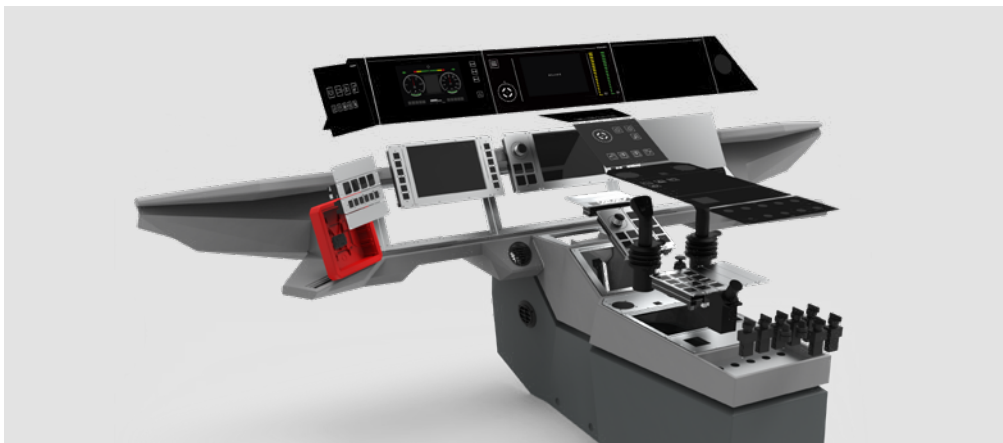
Since 1969, we have been producing practical, high-performance solutions based on constant innovation. Today, we offer an impressive product portfolio of 4×4, 6×6 and 8×8 airport rescue and firefighting vehicles – designed and produced from a single source. By continuously developing proven, successful concepts, we ensure that our Z-Class vehicles exceed the requirements of relevant NFPA or ICAO standards by far.

Our main focus is always on the practicability of all of our technical systems and components, which need to work reliable and unrestricted in case of an emergency. This is our definition of holistic security.



### Crash tested superstructure

Crew protection is our main focus. Accordingly, the Z-Cab AiR was developed and built according to the latest insights and state-of-the-art methods. At no time during the ECE R29-3 crash test the crew were at risk through deformation – survival space is guaranteed at all time. This test also confirmed the calculated rigidity of the cabin in the physical test and exceeded the requirements of ECE regulations.



### Ergonomics in the cockpit

Supported by ergonomic studies and simulations, the new cockpit provides perfect accessibility, visibility and position of all controls. The control elements are arranged according to their purpose and function: driving mode, extinguishing mode, secondary functions.

# The new Z-Cab AiR

## Security through optimal visibility

This cabin has been designed, developed and constructed in consideration of ergonomics and requirements for airport rescue and firefighting vehicles. Excellent panoramic view, the highest standards for passenger safety, confirmed by crash tests in accordance with ECE R29-3 and the user-guided operating concept Z-Control of the latest generation characterize this cabin.





## Z-Control

ZIEGLER operating concept

The new, modular operating interface offers a maximum of flexibility. The modern, standardized and modular software architecture allows Z-Control of the latest generation to offer outstanding quality, flexibility and future reliability.

It has never been so easy to arrange functions to specific customer needs or add extra functions later. Z-Control is the best user interface on the market with supporting user guidance.



# Components

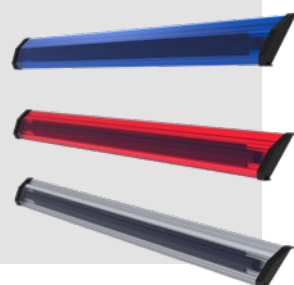
Built-in quality

## Z-Vision

ZIEGLER signal and lighting concept

Innovative lighting system with numerous configuration options. Up to 7 LED blue light elements per vehicle side guarantee the visibility of the vehicle in use.

The luminous intensity exceeds the required standard value by far.

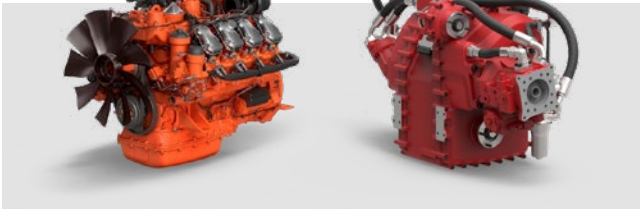


### Mirror replacement system

### Equipment

There is space on the vehicle for specialized firefighting equipment and personal protective equipment. Our vehicles are always loaded in consideration of their purpose and ergonomic aspects.





**Drive technology**

We selected specific components to design the drive train for the special requirements of an airport rescue and firefighting vehicle: excellent acceleration values in connection with the highest possible vehicle load. Thanks to the innovative drive concept, the pump and roll mode can be activated at any speed.



**Extinguishing system**

The heart of each vehicle is the ZIEGLER built-in pump which have proven themselves thousands of times. They are robust, extremely reliable, low-wear, designed for dirt water and therefore easy to maintain. The ZIEGLER admixing system, developed and tested for all foaming agents, is perfectly matched.



**Extinguishing agent tank**

The glass fiber reinforced extinguishing agent tank holds up to 19 tons of combined extinguishing agents (water-foam). The newly designed tank is positioned at a low point in the vehicle and plays a key role in maintaining the vehicle's low center of gravity and optimizing its driving dynamics and safety.



**Roof turret and front turret**

Proven ZIEGLER turrets complete the extinguishing system from one single source. Output rates of up to 8,000 l/min are no problem for Z-Turret, our new generation of turrets. Alternatively, the roof turret can be replaced by a Z-Attack articulated extinguishing arm and the front turret can be done lowerable.



Developer, manufacturer,  
trader and service provider –  
all from one source.



Extinguishing technology



Control and Operation



Firefighting vehicles



Hoses and Equipment



Service



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