



ZARGES



# Maintenance stairs and working platforms

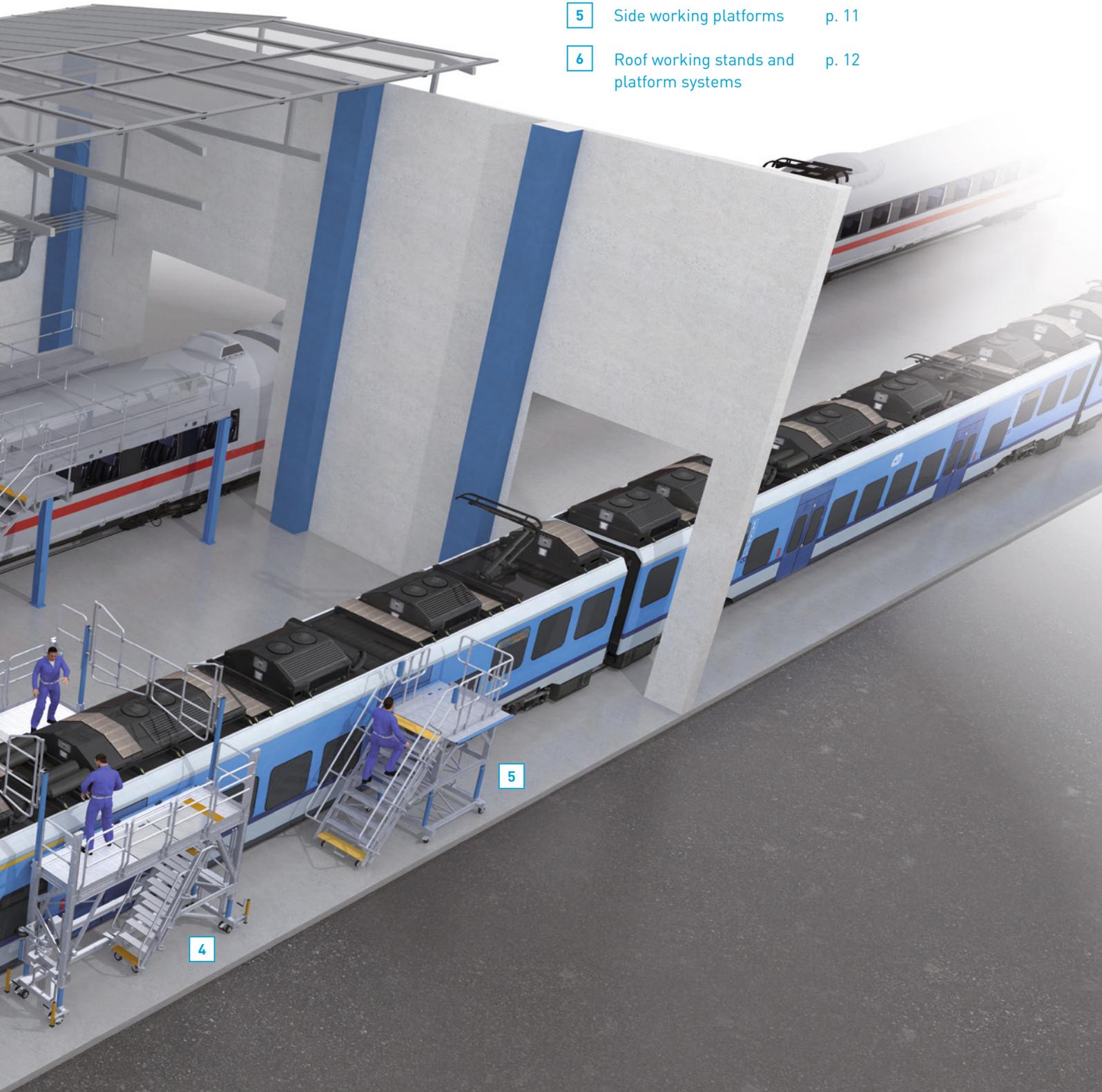
Access solutions for rail vehicles

[www.zarges.com/rail](http://www.zarges.com/rail)

# Our solutions for rail vehicles



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**Mobile or stationary solutions – to give you  
the right equipment for every application**



# Mobile access solutions – to get you where you want to reach

ZARGES mobile maintenance stairs and working platforms are developed especially for the maintenance and production of rail vehicles. They are designed to be quick and easy to use while offering the highest level of safety.



## Rail pit boards

They allow you to quickly bridge rail pits with ease – always adaptable to suit the track in question.

### Rail pit board with rail brake and wheels

#### Fall protection

Removable side railings to prevent falls.

#### Slip-resistant surface

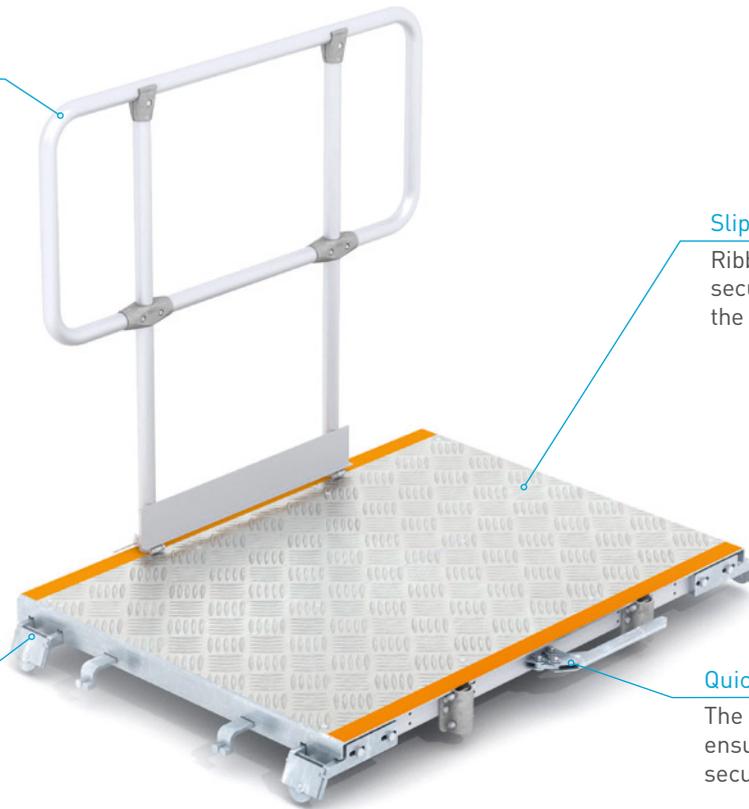
Ribbed aluminium plate for secure footing when crossing the rail pit.

#### Easy to move

The pit board can be moved quickly and easily on the rail thanks to the integrated wheels.

#### Quick to brake

The integrated rail brake system ensures that the pit board stays securely in place on the rail.



## Access steps

### Improved safety while standing on the platform

Individually configurable platform with different surface options to meet the required slip-resistance rating. The staircase is available at different angles of inclination.

### Quick and easy assembly

The special attachment system allows for quick and straightforward assembly.



### Fall protection

Fixed and removable handrails are available. Railings can be fitted with safety barriers or gates to further improve safety.

### Quick to brake

You can engage all brakes on the access steps by stepping on a central brake pedal.

ZARGES – configure your product online now:  
<https://www.zargesconfigurator.com/en/>

ZARGES access solutions can be designed to suit the requirements of any rail vehicle – whether you are looking for a solution with fixed or adjustable height, ZARGES always has the exact solution you need.

You can use our online configurator to put together your access solution yourself or have us create a special solution that meets your needs perfectly.

- Online configurator ([www.zargesconfigurator.com/en/](https://www.zargesconfigurator.com/en/))
- Fixed or adjustable height
- Access platforms with protective padding
- Removeable handrails and railings
- Antistatic
- Fixed castors for moving long distances or swivel castors for improved manoeuvrability
- If our standard range of platforms does not meet your requirements, we will be happy to customise our products to suit your individual needs.



## Front working platforms

### No platform gaps

Slide-out panel system to adapt the working platform's contour to front of the rail vehicle.

### High slip resistance

The anti-slip surface ensures that workers can stand safely on the platform.

### Easy access

The height-adjustable ladder allows quick access to the platform.

### High manoeuvrability and stability

Thanks to the heavy-duty castors and spindles on the chassis.

### Guided by the rail

The optional rail-guided chassis allows you to move the platform directly on the rail.

### Adjustable to the optimal working height

The platform can be positioned quickly using the easy-to-operate height adjustment mechanism, allowing work to be performed ergonomically.



ZARGES front working platform enables personnel to work safely on the windscreen, windscreen wiper or the destination indicator.

## Roof working platforms

### Prevents objects falling

The highest level of workplace safety because no gap is left between the platform and vehicle.

### Closed-off working area

Fall prevention: trap doors to close off openings that lead to stairs or ladders located directly beneath the platform.

### Fall protection

All-round railings to prevent falls, removable options are also available by request.

### Adjustable to the right height

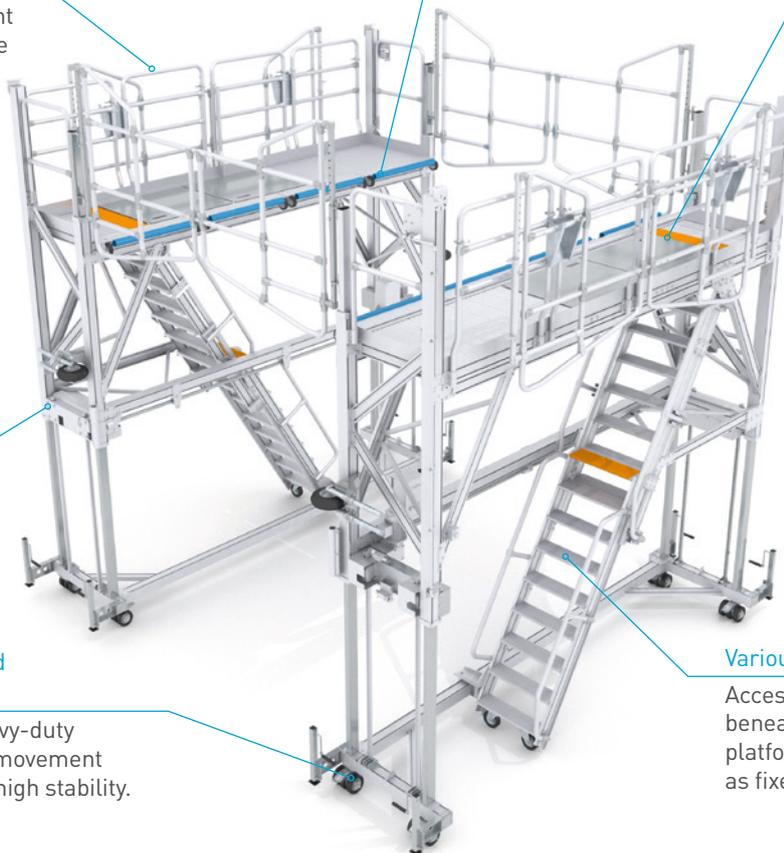
The height adjustment mechanism ensures that workers can always carry out tasks at the right height.

### High stability and manoeuvrability

Three-wheel heavy-duty castors for easy movement and spindles for high stability.

### Various access solutions.

Access steps located directly beneath or to the side of the platform, optionally also available as fixed ladders.



## Safe ZARGES solution for Sweden

ZARGES developed a roof working platform that fully meets the expectations of a customer in Sweden. The most important thing: safe access to a train's roof.

ZARGES won over the customer with the platform's sturdy construction and easy assembly.



## Side working platforms

### Flexible staircase

When the platform height is adjusted, the staircase automatically adapts to the new angle of inclination.

### Removable railing segments

Railing segments can be removed as required to give you the exact access you need.

### Height adjustment

Available with fixed or adjustable height. You can also select the type of height adjustment mechanism.

### Castors

The platform and staircase are equipped with high-quality castors so that the working platform can be moved quickly.



# Stationary access solutions – to help you get things done faster and safer



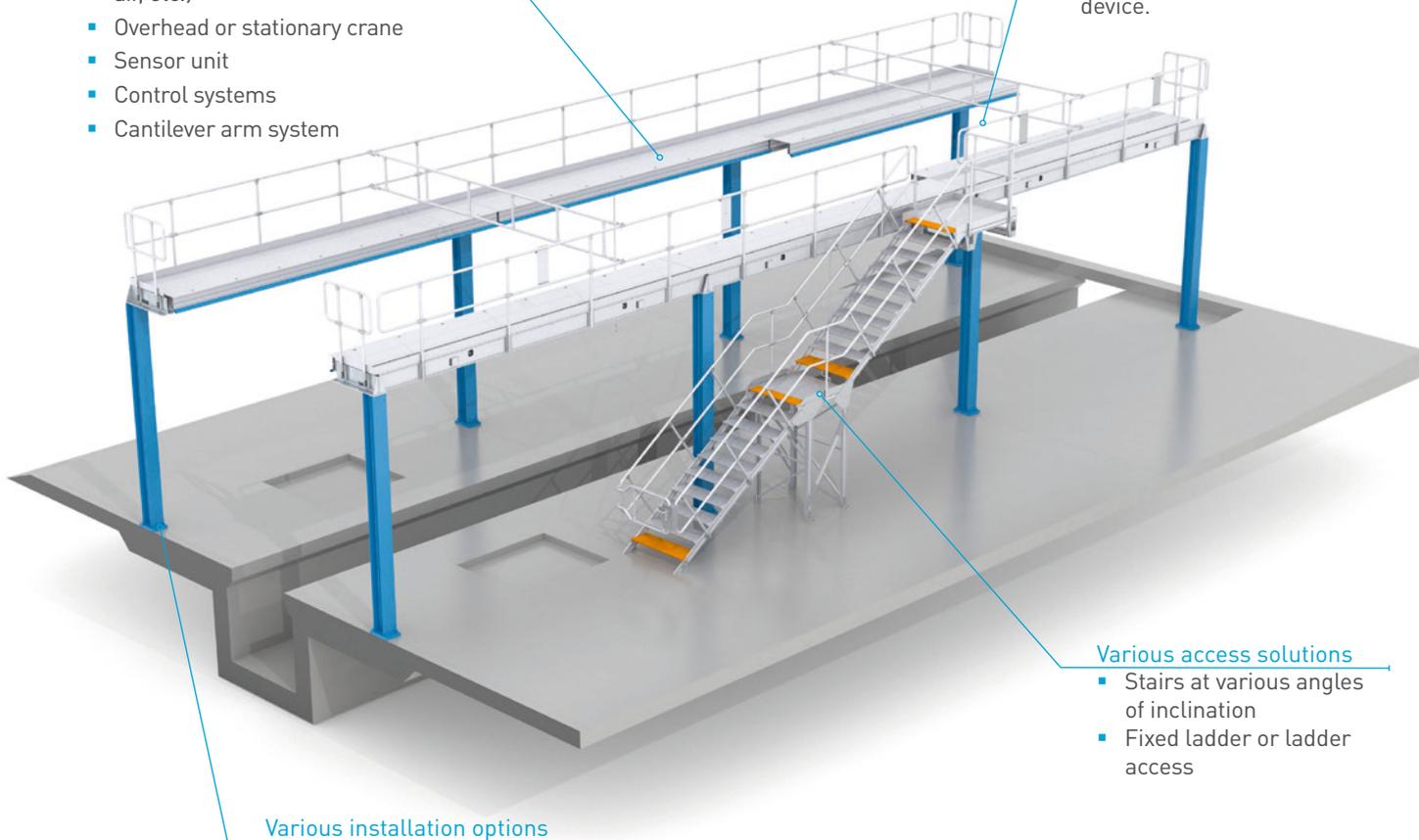
## Roof working stands

Modules and accessories to facilitate day-to-day work

- Utilities (electricity, compressed air, etc.)
- Overhead or stationary crane
- Sensor unit
- Control systems
- Cantilever arm system

Versatile fall protection devices

Foldable, slidable or removable railing options and sensor-controlled front fall protection device.



Various access solutions

- Stairs at various angles of inclination
- Fixed ladder or ladder access

Various installation options

- Raised on stands
- Suspended from the ceiling
- Fixed or adjustable height



## Assembly stands – made especially for extension and final assembly

- Platform height and size can be customised according to requirements
- Platform modules with cantilever arm system
- With fixed or adjustable height
- Front fall protection devices and various railing options
- Platform surface made of textured plywood panel for good anti-slip properties as well as low foot noise generation.



## Everything is possible with ZARGES – the largest individual project in ZARGES' history

A well-known Canadian train manufacturer conducted an international tender exercise to search for a partner to help them build a platform system for use in the production of trains and carriages.

ZARGES was able to secure the major project thanks to its rich tradition and great deal of experience in this field. Subsequently, ZARGES constructed the project at its plant in the state of Saxony, Germany.

There were many different challenges. The schedule was tight, and a large number of platform elements had to be designed and manufactured.

The first two construction phases were inaugurated by the Minister-President of Saxony. This project has greatly strengthened both the plant and the region.

At the same time, it is the largest individual project ever in ZARGES' history!



# Options and accessories for platforms and platform systems

You can easily expand your platforms and platform systems using parts from our product range. This allows you to modify your equipment individually according to your requirements, e.g. configuring platforms to enable free access to all relevant working positions.



Mobile touch panel

## Electrical operation

ZARGES control panels or consoles allow for the operation of any electrical elements on your roof working stand.

- Integrated operating console
- Stationary touch panel on the product
- Mobile touch panel for greater flexibility



Central control panel with key switch system

## Utilities

Clear and easy to use: You can equip your platforms or working stands with various utilities and tools.

- LED lighting
- Electronic elements
- Compressed air systems
- Water system
- Direct power supply on the platform



# ZARGES steps and platforms



Whether it's steps, bridging steps or platforms – our next-generation customised solutions will always meet your requirements perfectly.

Your benefits:

- Easy to plan and configure
- Quick delivery and assembly
- Reliable to set up thanks to the high degree of pre-assembly



All of our solutions are TÜV tested and designed according to industry standards (e.g. DIN EN ISO 14122).



ZARGES – configure your product online now:  
<https://www.zargesconfigurator.com/en/>

# All-round service from a single source – to always provide you with the best advice



Standard bridging steps solution



Special machine access solution

## Standard solutions

### Our service:

- Online configurator
- Sophisticated module
- High level of pre-assembly

### Your benefits:

- Instant quotation
- Very quick delivery
- Easy assembly

## Special solutions

### Our service:

- On-site measuring
- Planning in close collaboration with you
- Full installation

### Your benefits:

- Tailor-made solution
- Easy collaboration
- Complete solution



Information from your ZARGES specialist consultant:

Tel.: +49 351 287 935-800

E-mail: [rail@zarges.de](mailto:rail@zarges.de)

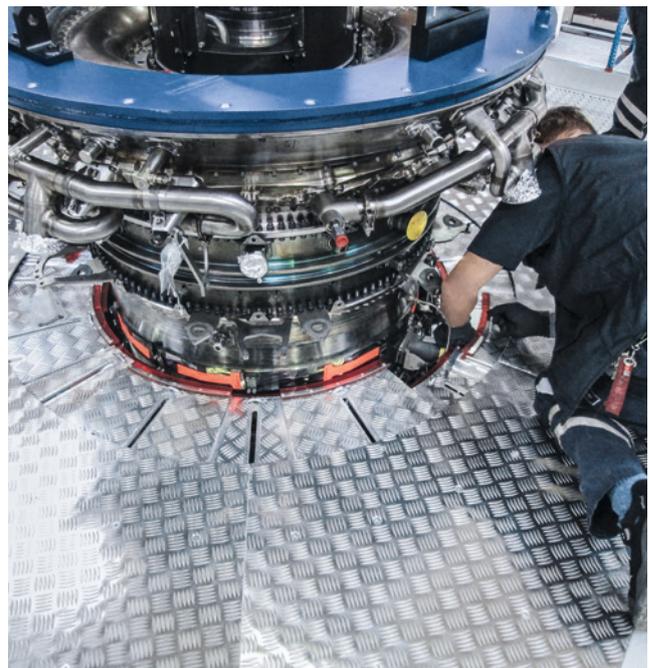
We deliver solutions tailored exactly to your vehicles in compliance with the following standards and regulations:

- DIN EN ISO 9001 – Quality management
- DIN EN ISO 14122 – Permanent means of access to machinery
- DIN EN ISO 1004 – Mobile work platforms
- DIN EN ISO 131-7 – Mobile ladders with platform
- DIN EN 1090 – Fabrication and assembly of steel and aluminium structures
- MRL – Machinery Directive 2006/42/EG

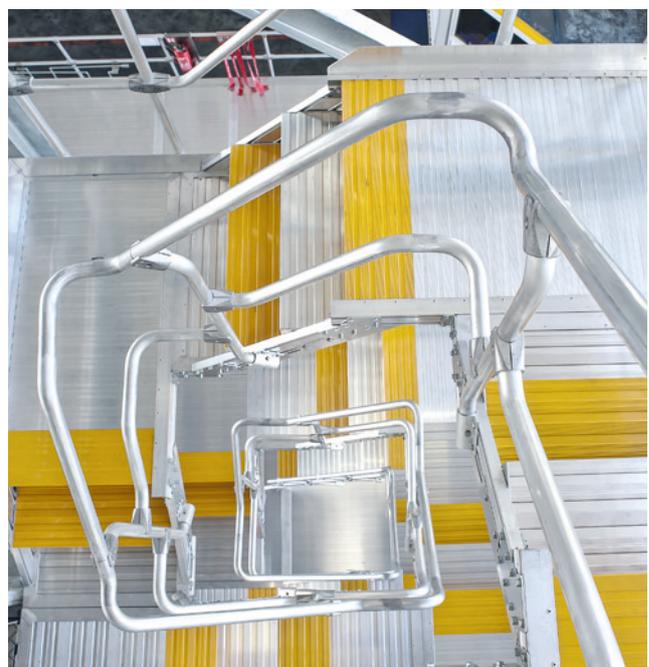
# Other solutions by ZARGES

ZARGES offers a wide range of access solutions for different applications. For example, you can modify platforms by adding a cantilever arm system to allow free access to all relevant installation positions. Or you can choose a configuration with either fixed or adjustable height for ergonomic reasons. Front fall protection devices that are individually tailored to a vehicle allow work to be performed safely. And the surfaces of platforms and treads offer good anti-slip properties as well as low foot noise generation.

## Aviation



## Industry and plant engineering





**ZARGES –**  
 Access. Packaging.  
 Transportation.  
 Special  
 construction.

For more than 85 years, the brand name ZARGES has been synonymous with premium quality and continuous innovation. As an innovation leader, we are constantly improving our range and creating solutions and products that are consistently tailored to your needs. And good ideas always come from closely working together with you, the customer.

Our aim is to always provide you, the professional, with the right solution for any requirement. For your safety and efficiency.

More information about maintenance stairs and working platforms for rail vehicles can be found at  
[www.zarges.com/rail](http://www.zarges.com/rail)

Further information is available online or from your specialist dealer:

