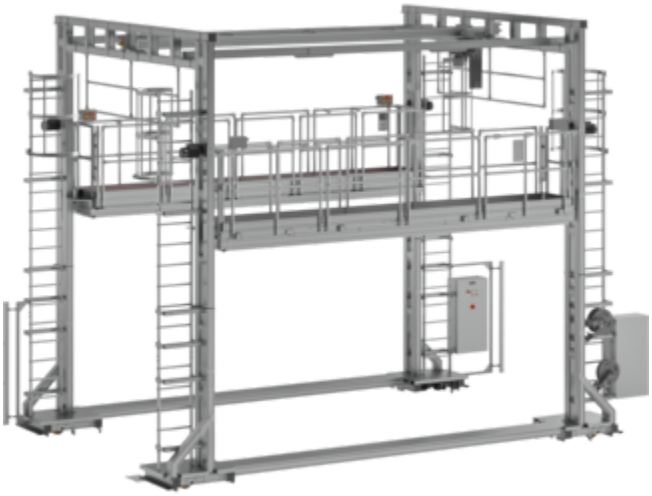
MUNK
Sicherheit. Made in Germany.



Order no.: REF-30273339

Electrically adjustable roof working platform

Specification

Business division	Sector	Type	Height
MUNK Günzburger Steigtechnik	**Rail vehicles**	**mobile**	**adjustable**

Facts

- Longitudinal movement: 85 m
- Platform height (max.): 3,500 mm
- Platform height (min.): 615 mm
- Platform width right: 1,100 mm
- Platform width left: 750 mm
- Platform widening: 400 mm
- Overall height max: 6,400 mm
- Overall width: 5,200 mm
- Total length: 6,400 mm
- Surface load: 150 kg/m²
- Total load: 600 kg/per side
- Crane system: Load capacity 160 kg
- Crane system: Lifting, 2-stage (pole-switchable) 2/8 m/min

Description

Client's Request and Task

In the railway industry, safety is paramount – both for passengers and for the personnel responsible for the maintenance and servicing of trains. Against this backdrop, our client approached us with the requirement to develop an innovative solution for the maintenance and repair of train roofs. The designed working platform was not only intended to improve efficiency and ergonomics at the workplace but also to allow flexible application for various train models.

The specifications were clearly defined: The platform had to be variable in size and adaptable to cover a wide range of train types. It was crucial that the working platform is easy and safe to operate, even considering the strictest safety protocols. Additionally, it should be

- Crane system: The crane is operated from the floor using a radio control system

equipped with tools and connections that support and expedite various maintenance tasks.

Customer Requirements

- Variable adaptability of the platform for different train types
- Electrical adjustability in height, width, and length
- Protection of the train from damage during maintenance
- Integration of a crane to assist with heavy lifting tasks
- Media connections for necessary supplies directly on the platform
- Easy and safe operation of the platform structure
- Maximum safety for personnel through protective measures and warning systems

Our Solution

Roof Working Platform Concept
We developed a highly flexible electrically adjustable roof working platform that can be adjusted in all three dimensions. The platform thus offers the required variability to be adapted to different train models.

Modularity and Flexibility
Thanks to the electrical adjustment mechanisms, the platform can be easily adapted to the conditions of different train types. This ensures that the maintenance staff can always work at the optimal height, and the train is protected from damage.

Integration of a Crane and Media Connections
An integral part of the platform is the crane, which enables the lifting of heavy loads, such as air conditioning units. Media connections for electricity and compressed air are also directly available on the platform, facilitating efficient work.

Safety Features and Operational Comfort
The platform is equipped with various safety features, including fall protection, warning signals, and emergency stop switches. It is designed to support the workflow while providing maximum safety for the personnel.

Adjustable Control and Operating Range
The platform is controlled by an intelligent control system that allows for both automatic and manual operation. The working area in the length of the platform can be adjusted according to the requirements of the respective train.

Power Supply and Accessibility
The power supply is provided via a reliable busbar system, and the control cabinet is ergonomically and safely mounted on the base frame.

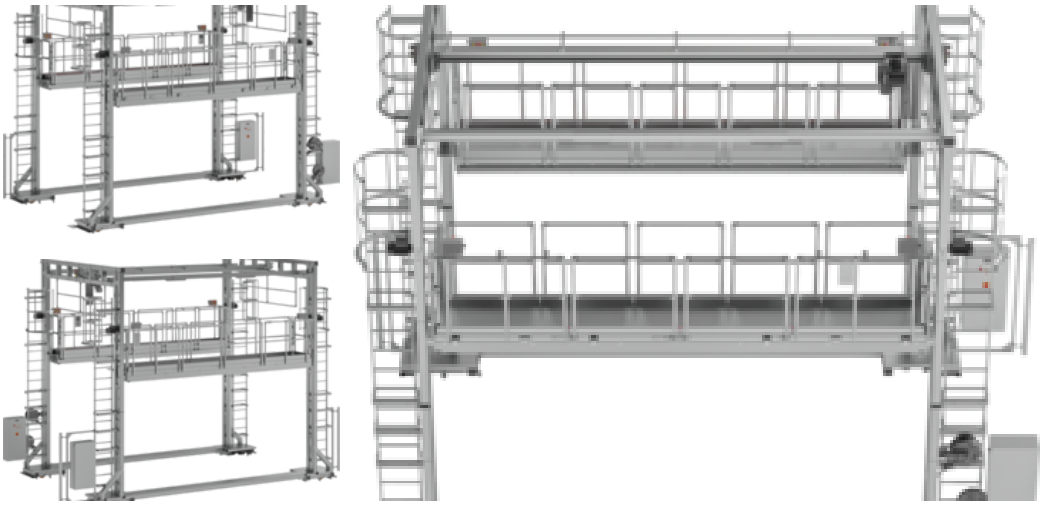
Conclusion
Our innovative electrically adjustable roof working platform offers a flexible and safe solution for the maintenance and repair of trains. It not only meets all the client-specific requirements but also exceeds them through its flexibility and the integration of safety and ergonomic functions. With this platform, the workflow is optimized, the safety of the maintenance staff is ensured, and productivity is increased.

Information on sustainability criteria

- Corporate certification: ISO 9001
- Corporate certification: EN 1090
- Corporate certification: EcoVadis
- RoHS
- REACH
- The MUNK Group complies with a Code of Conduct
- The Supply Chain Act does not apply due to our size
- The materials used are listed in the technical specification

- Resource-saving production: own photovoltaic systems
- Energy-efficient consumption during production: LED lighting
- Repairability, durability and quality: 15-year warranty on series products made in Germany
- Recyclability: Our products are mostly made of aluminium, steel or wood and can be fed directly into the recycling process.
- Socially acceptable working conditions in production: fair wages, gender equality
- Economical and recyclable packaging: no use of polystyrene, predominantly use of wood and cardboard, small amounts of plastic
- No health hazards for the users

More product pictures



Added value

From decades of experience, we know that individual requirements require special solutions. That's why we are here to help you realize your custom construction.

Get inspired by our reference products and make your unique idea a success. We look forward to supporting your project with our expertise and dedication. Contact our competent team for more information and assistance.

With MUNK Group by your side, your custom construction becomes a reality: Safety. Made in Germany.

What we offer

- On-site consultation and project planning
- Custom development according to your requirements
- Precision manufacturing
- Functional and cost-effective access solutions
- Maximum workplace safety
- Fast delivery
- Compliance with all relevant German, English, and international standards and regulations, such as BetrSichV, DGUV regulations, Machinery Directive 2006/42/EC

OPEN CONTACT FORM

Corporate certifications

on sustainability criteria