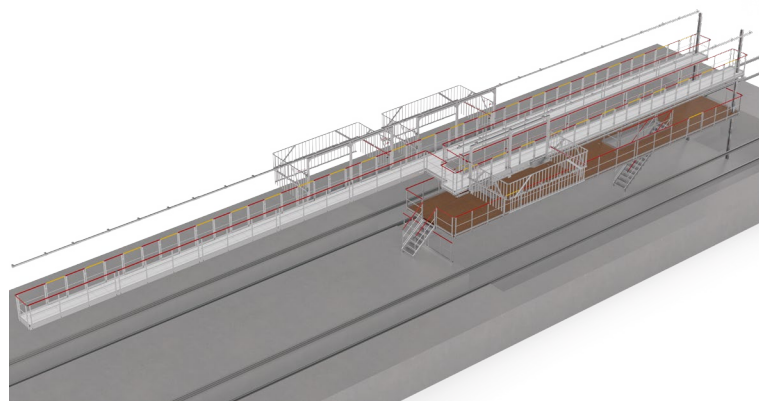


# Fixed multi-level platform with deployable rings for train maintenance



3D view of the fixed platform

Fixed platform with multiple levels specially designed to allow operators to perform train maintenance safely. Main structure in aluminum profiles. Galvanized steel frame.



# Fixed multi-level platform with deployable rings for train maintenance



3D view of the access staircase to the different levels of the platform



Access staircase from the bottom of the pit



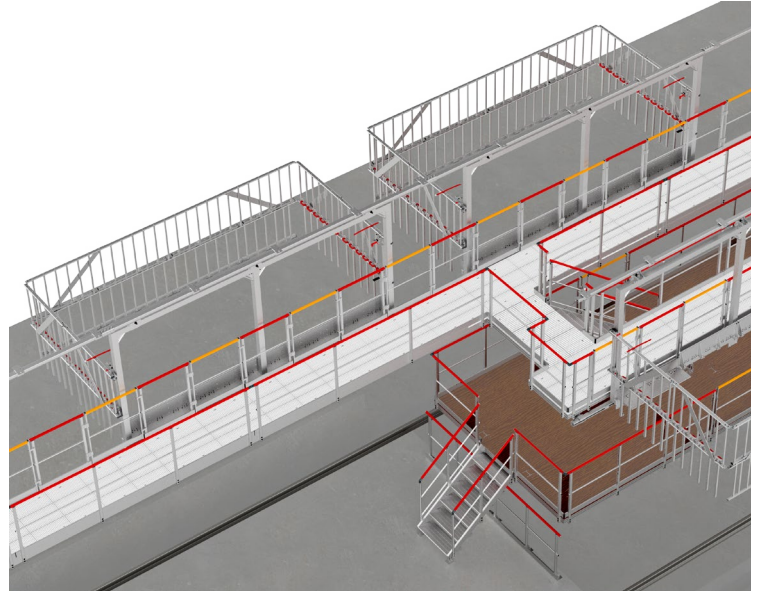
Access staircase from the train station platform

## Level 1

- Two access staircases: one from the bottom of the pit (11 steps) and the other from the platform (6 steps)
- Platform with a wood-composite surface, thickness 21 mm – Length 21500 mm x Width 4000 mm
- Peripheral guardrail composed of a red lacquered aluminum handrail (RAL 3000), an intermediate rail, and a baseboard
- Safety gates allowing access to the inside of the train with a yellow handrail
- Lighting under the upper level gangway at each workstation



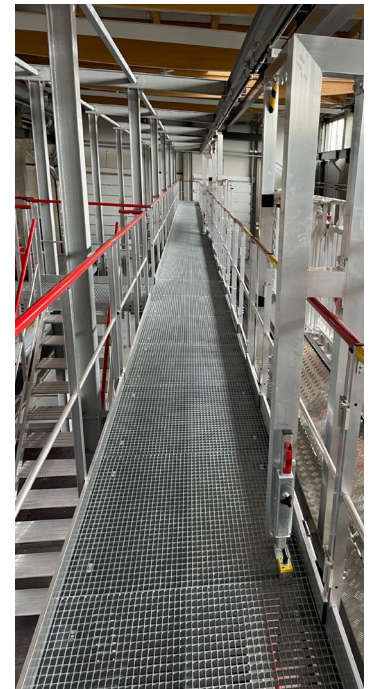
# Fixed multi-level platform with deployable rings for train maintenance



3D view of level 2 and its sliding rings



Platform level 1



Platform level 2

## Level 2

- Access staircase from level 1 (14 steps)
- Platform with a grating surface
- Two parallel gangways: Length 43000 mm x Width 1000 mm and Length 21500 mm x Width 1000 mm
- Deployable rings with sliding frames on either side of the platforms to fit perfectly to the train
- Peripheral guardrail composed of a red lacquered aluminum handrail (RAL 3000), an intermediate rail, and a baseboard
- Safety gates at regular intervals to access on the train roof when the ring is positioned in front and deployed



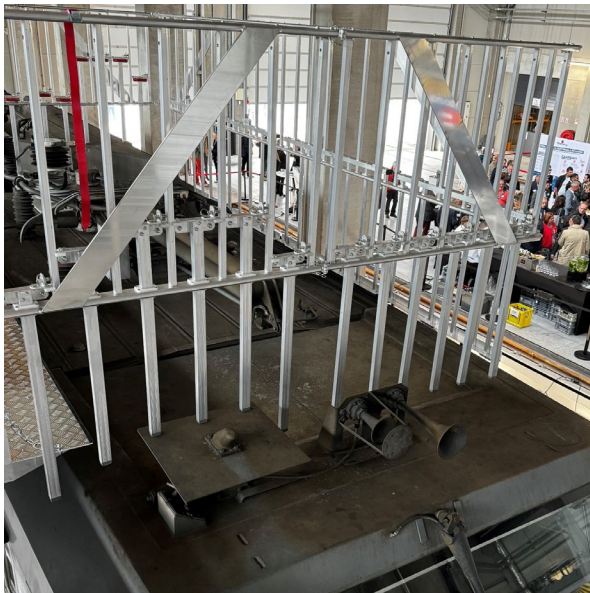
# Fixed multi-level platform with deployable rings for train maintenance



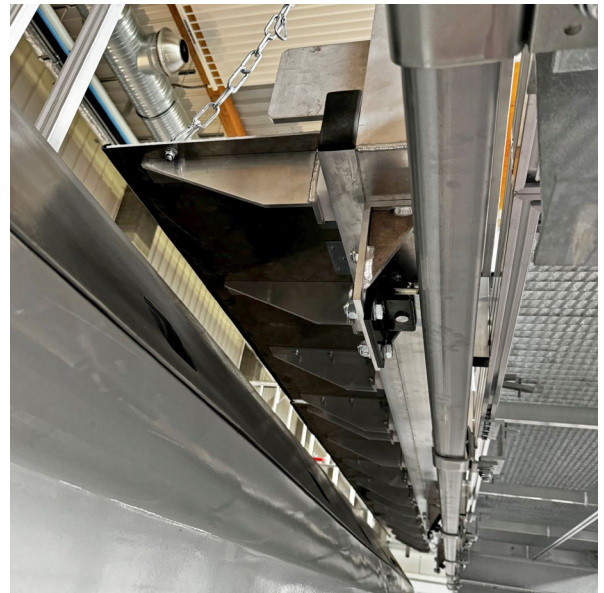
Ring deployed on the train roof

## Deployable rings

- Level 2 equipped with deployable rings (two on one track and one on the other track)
- Sliding frames for the rings on either side of the platforms
- Articulated aluminum gaps that can be positioned when the train is in place
- Ring's guardrails are sliding to perfectly fit the shape of the vehicle



Ring's guardrails are sliding to perfectly fit the shape of the vehicle



Deployed articulated aluminum gaps