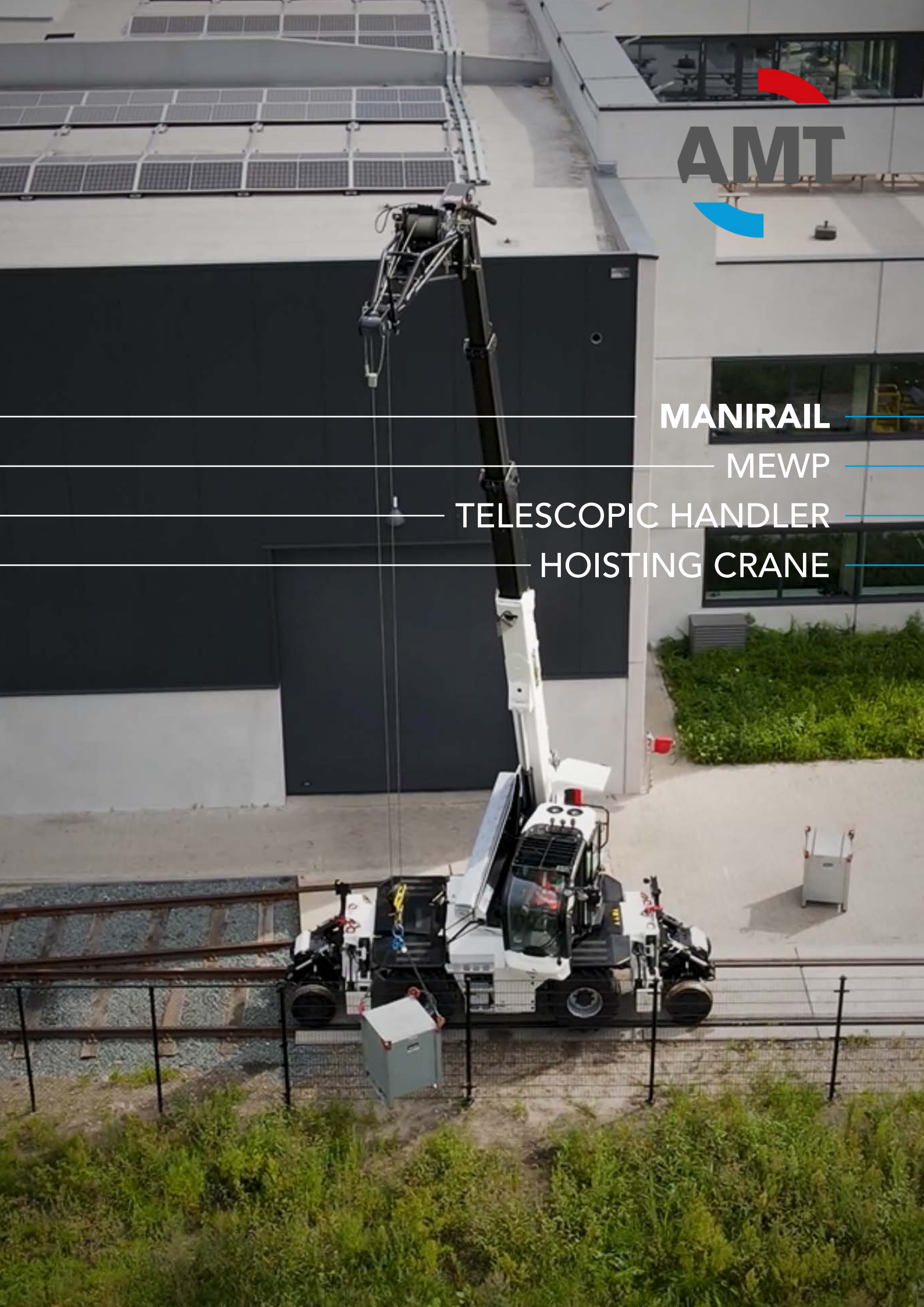


**MANIRAIL**

**MEWP**

**TELESCOPIC HANDLER**

**HOISTING CRANE**





# MANIRAIL MRT 1845 -2145RR

An aerial photograph of a white and black MANIRAIL MRT 1845 -2145RR multi-functional rail machine. The machine is positioned on a set of railway tracks, with its long, telescopic boom extended forward. The boom is currently holding a large, light blue rectangular object, likely a transformer or a large container, which is suspended by a chain. The machine's cab is visible at the rear, with a person wearing a high-visibility vest inside. The tracks are surrounded by gravel, and a grassy area with a black fence is visible on the right side of the image.

## THE NEW STANDARD

Developed to carry out work on and around the railways more safely and efficiently.

This multi-functional, 360-degree rotating telescope machine offers the user a means of transport, telescopic handler, MEWP, and hoisting crane all in one. The compact rail conversion ensures that the machine has a maximum working range. A comprehensive control system with built-in safety and control functionalities provides ergonomic operation.



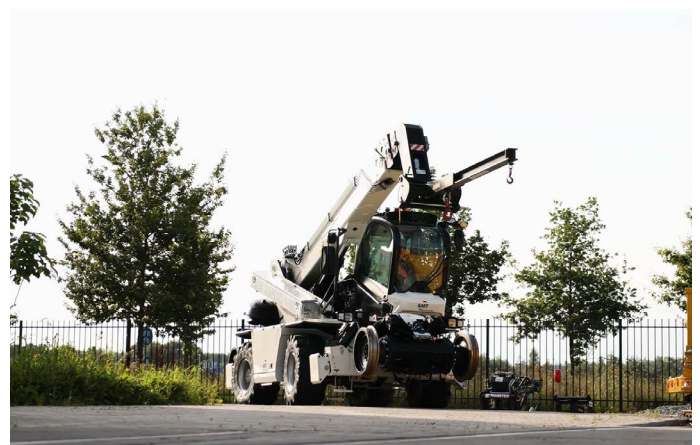
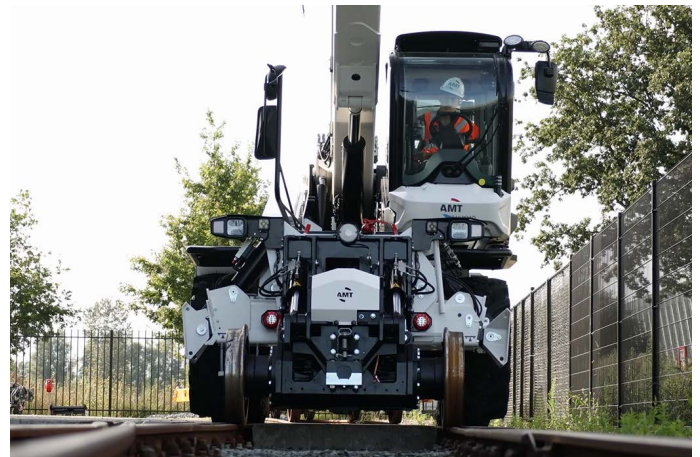
# EFFICIENT ON TRACK

The four-wheel drive provides a maximal traction when driving and braking on railways. The machine operates up to a maximum slope of 6%.

The rail conversion also has a level adjustment function, which makes it possible to work safely even from tracks with significant cant (180mm).

Almost all standard Manitou tools can be integrated in the rail conversion:

- |                                    |                 |
|------------------------------------|-----------------|
| • Fork carriage                    | 4500 kg         |
| • Rotating forks                   | 2000 kg         |
| • Hoisting winch                   | 2000 or 4500 kg |
| • Hoisting jib                     | 1200 - 4000 kg  |
| • Aerial working platform with jib | 300 kg          |
| • PSE4400 working platform         | 500 or 1000 kg  |



# MULTIFUNCTIONAL

The MANIRAIL makes it possible to use a number of different work platforms and other tools. The machine has an integrated, adjustable height and rotating limiter. Additionally, it uses the original RCI so that other original Manitou tools can be added to the machine at a later stage. Controls can be easily switched from the cab to the work platform. From the basket, it is possible to have the machine go up to ten kilometres per hour. During work, the speed of the machine is limited to five kilometres per hour.



## TECHNICAL SPECIFICATIONS

|                     |                          |
|---------------------|--------------------------|
| • Max. rail speed   | 19 km/h                  |
| • Max. road speed   | 30 km/h                  |
| • Workingspeed      | 1-2 km/h                 |
| • Lifting height    | 14/ 16/ 18 m             |
| • Railtrack         | 1435 mm / 1485 mm        |
| • Railwheels        | A-C-S1002-MIX            |
| • Weight            | 20t                      |
| • Max. weight       | 24t                      |
| • Railtrailer       | 25t / 50t                |
| • Brakes            | hydraulic or air         |
| • Lifting capacity  | 4.500kg                  |
| • Clearance profile | G1-G2                    |
| • Max. slope        | workmode 6%              |
| • Max. cant         | transport 8°/200 mm      |
| • Max. cant         | workmode 8°              |
| • Max. cant         | work and transport: 8°   |
| • Max. windspeed    | 12,5 m/s                 |
| • Persons           | 2 (cabin)                |
| • Type approval     | EN 15746 1-2<br>& EN 280 |

- Proportional hydraulic control
- 360° endless rotation
- Swivel and level adjustment function
- Height and rotating limiter
- Load control (RCI)
- Integrated camerasystem
- 4 wheeldrive
- Speedlimiter
- Passengerseat
- Changeable railwheels (Normal, Tram, and Meter)
- Automatic raillights
- Heavy duty air tyres
- Oscillating axle for road use
- Locking differentia
- 24V Emergency pump
- Emergency and environmental kit
- Air horn
- Warning light (RCI)
- Clock and hour meter
- Lifting eyes