

Product / Model: **Railway / PKR 290, PA 1002**

Operating Entity: **Infraspeed Maintenance b.v.**

## Innovative Technology for the HSL-Zuid High-speed Line

The HSL-Zuid high-speed line in the Netherlands are being maintained using maintenance vehicles manufactured by Windhoff Bahn- und Anlagentechnik GmbH. For this purpose the operator consortium Infraspeed Maintenance b.v. procured two vehicles with a speed of 120 km/h which are based on Windhoff's proven multi-purpose vehicle concept (MPV). Both vehicles have been in operation since September 2008.

The basic construction of this type of vehicle as a unit with two cabs allows it to be used in a variety of ways. This is where solutions by PALFINGER RAILWAY play a crucial role. Arranged on the approximately 21 m long frame are the main cab and a hydraulic PKR 290 work crane, combined with a further co-pivoting driver's control cab. The space between on the vehicle deck is available for any number of exchangeable modules, among others an access platform of the PA 1002 type.

The PKR 290 is of course equipped specifically for the railway sector (earthing, slew limiter, height limiter, "vehicle working travel" controllable from the crane's radio remote control). It is possible to carry out all maintenance and repair work quickly and carefully with the assistance of the pivotable workman basket. The driver's control cab of the vehicle also functions as the crane cab.

The PA 1002 was specially developed for fast, precise and cost-effective laying and monitoring of catenary systems. There is maximum access to both the catenary wire and contact wire at the same time due to the divided workman basket. The lateral outreach also makes it easy to reach anchor points and automatic tensioners on the masts. Ready-mounted on a container base, the platform module can simply be lifted off using a forklift or overhead crane and replaced, for example, with a crew cabin.

PALFINGER is the system supplier in the railway sector with its finely tuned and efficient interaction of several units on one vehicle for coping with a complex set of tasks. People involved at a practical level throughout the world value the highly modular construction of the product range which is standardised right through to its software. The same applies to our system partner Windhoff and its clients.

