

Product / Model: **RAILWAY / PA 360**

Operating Entity: **Deutsche Bahn AG**

ULTRA-MODERN LIFTING PLATFORMS AND EQUIPMENT FOR DEUTSCHE BAHN MAINTENANCE VEHICLES

Vehicle manufacturer Gleisbaumechnik Brandenburg produced overhead line system maintenance vehicles of the 703 series for Deutsche Bahn AG. The many equipment features on these two-axle vehicles include the PALFINGER PA 360 lifting platform and the PALFINGER PFD 79 overhead line and carrying cable positioning device.

As part of a strictly modular design concept with a minimum number of different components the lifting platforms incorporate an angled slewing arm and a hinged arm with four extensions. As a result of the angled slewing arm the working cage can be parked on the loading area. The huge working range achieved by the platforms is made possible by the unique kinematics with two high-performance endless slewing mechanisms, the large hydraulic outreach, the working cage which can be slewed through 180 degrees and a sophisticated Load and Range Management System with a „PALTRONIC 200“ as its key element.

The PFD 79 overhead line and carrying cable positioning device incorporates two separately controllable arms with maximum working heights of 6.7 and 8.7 metres, respectively, above top of rail. The overhead line and carrying cable positioning device can be conveniently operated by means of a radio control unit from the workman basket of the PA 360. Deployment jointly with the lifting platform therefore ensures highest efficiency in the performance of maintenance and repair work on overhead line equipment.

