

Janusz Poliński: Vehicles for Diagnostics of Railway Infrastructure in Germany

The article describes historically the vehicles used to diagnose various permanent way parameters of the German railways. Single wagons, sets of wagons and measuring trains are presented. The focus is drawn to vehicles used to study the geometric layout of the track, the structure of the permanent way, and the traction network. Vehicles for diagnosing radio signals and noise occurring on the railway are also presented. The vehicles also include innovative ICE-S vehicles for monitoring the High-Speed Rail (kdp) line and determining the permissible speed on curves. Information is also provided on the implementation of new concepts for monitoring the railway by properly equipped trains, carrying out scheduled passenger transport on high-speed lines.

Keywords: rail transport, DB AG railways, infrastructure diagnostics, measurement wagons