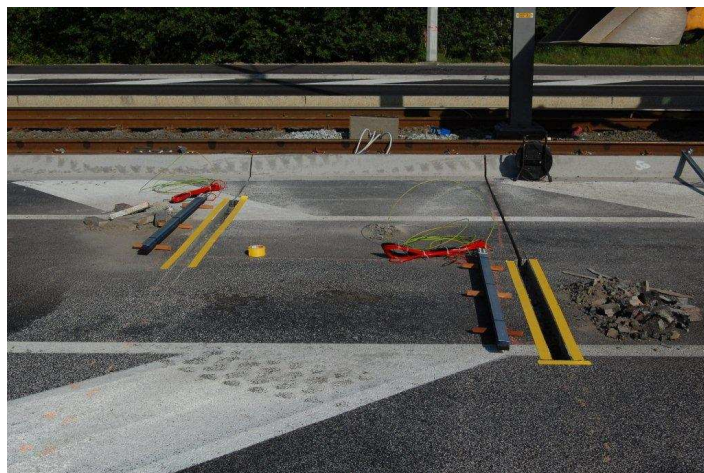
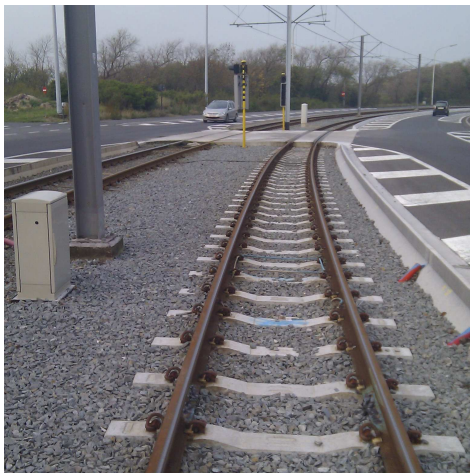


### CASE STUDY: ROAD AND RAIL VEHICLE WEIGHING COMBINED WITH WHEELSET DEFECT DETECTION

Customer	De Lijn West Flanders
Location	Lombardsijde, Belgium
Duration	July 2010 – ...
Application domain	Vehicle Maintenance- Railway Vehicle Weighing – Railway and Highway

In order to correlate the wear on a rail/road crossing (in the interface between rail and street) with the loads on this interface, APT developed a monitoring system that combined tram axle weighing and road vehicle axle weighing. On top of that, the system was designed to detect and quantify exceptional tram loads arising from wheel flats or wheelset abnormalities.

In a later stage of the project, the system demonstrated to provide valuable information to optimize tram maintenance schedules and identify trams with bearing problems or particular defects.



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