

Nov 2020

PantolInspect installs New Generation Mark V Scanners on the National Railway System of Austria

Copenhagen, Denmark, 2020 – PantolInspect, the market-leading manufacturer and supplier of automated and real-time wayside pantograph monitoring systems, is proud to announce that the new generation of Mark V scanner has now been installed in Gramatneusiedl, a municipality in the lower Austria, to monitor the railway network of ÖBB, the national railway system of Austria, in October 2020.

The PantoSystem uses 3D laser triangulation, well-known as the most accurate measurement technology, together with optical full frame images, to provide a comprehensive analysis of the pantograph condition, with the help of machine vision and machine learning. The PantoScanners reliably capture automated 3D sensor data and images of pantographs on high-speed trains, running up to 350 km/hour.



PantoSystem installed on the gantry of ÖBB network in Gramatneusiedl

The system provides fully automatic recording, analysis, detection, and storage of all types of pantograph defects and damages, including carbon wear, cracking, chipping, missing components, and structural deformations. This will enable ÖBB to ensure predictive maintenance of the condition of the pantograph, and thereby avoid tear down of overhead wires and damaged pantographs, which minimizes service disruption, reduces maintenance costs, and maximizes customer satisfaction.

Malte Breiting, the CEO of PantolInspect, said: "We are excited to start automatic inspection in Austria. ÖBB is an organization I see as very keen to use innovative solutions and do things

smarter. I also believe that there is a potential for the PantoSystem to prevent many hazards, since Austria is a country, where many foreign trains in various conditions are passing.”

The new generation of Mark V scanner, which has been installed on the Austrian railway network, will monitor the regional trains of Austria, the InterCity trains of Germany, Hungary, and Slovakia as well as the freight trains of Western Europe. PantoInspect has overseen the installation of the system and will continuously provide technical support to ÖBB. The capabilities of the system will be evaluated by ÖBB, with the potential of being installed on their supersite to monitor the entire Austrian railway network.

About PantoInspect

PantoInspect was the first company world-wide to develop an automated pantograph inspection system, in partnership with Banedanmark, the Danish railway infrastructure manager, around 2008. Today, PantoInspect is one of the world's most recognized and respected brands, and a market-leading manufacturer and supplier of automated and real-time Wayside Pantograph Monitoring systems to the global Railway industry. We have supplied several pantograph monitoring systems to some of the world's leading infrastructure managers and rolling stock operators such as Deutsche Bahn, RATP, Infrabel, Sydney Trains, Network Rail and TRA.

PantoInspect

Titangade 9C

Copenhagen

2200, Denmark

www.pantoinspect.com

Email: contact@pantoinspect.com

Tel: +45 3318 9120