

Neumarkt, 3 September 2024

## **InnoTrans 2024: DEHN protects the railway infrastructure**

**Modern interlockings use digital network technology to transmit control commands to points, signals or track contacts. On the one hand, this increases the efficiency and reliability of the system. On the other hand, the high proportion of electronic components is susceptible to disruptive influences such as overvoltage and lightning strikes. DEHN's interlocking protection solutions, which comply with the guidelines and are approved by DB InfraGO AG, protect interlockings against failures and thus safeguard railway operations. Modern technologies, innovative products and convincing solutions bring more safety to railway infrastructure and thus also to mobility. At this year's InnoTrans, which takes place from 24 to 27 September in Berlin, DEHN will be offering an insight into its wide range of products and solutions for the railway industry at Stand 320 in Hall 21.**

DEHN provides the rail sector with a coordinated range of products, solutions and services such as external and internal lightning protection, surge protection, equipotential bonding, earthing measures for buildings and railway systems, safety equipment and other services, including lightning protection planning and laboratory tests.

### **For maximum system availability: DEHNventil ACI**

High demands are placed on the availability of switchgear – for example in railway interlockings. This makes surge protection essential. And changing surge protection modules should not compromise system availability. The new DEHNventil ACI M TNS 264 FM has no backup fuse and is flexible in terms of its application. The touch-safe design allows the protection module to be replaced without system downtime. The ACI technology employed also enables connection cross-sections of just 16 mm<sup>2</sup>. This facilitates installation and saves time.

### **DEHNcare ArcFit – The personal protective equipment (PPE)**

DEHNcare ArcFit is light, comfortable and safe protective clothing. It meets arc flash protection class APC<sup>2</sup> and fulfils high-visibility clothing class 3. The protective clothing is also designed to be comfortable and suitable for everyday use.

### **DEHNSense EFD – More safety when working on electrical installations**

The DEHNSense EFD, a voltage detector that can be worn on the wrist or helmet, completes the protective clothing. It provides visual, acoustic and haptic warnings of the dangers of electric current by detecting a critical AC voltage and alerting the user in good time before entering the immediate danger zone. As an additional measure to the 5 safety rules, the detector can significantly increase safety when working on electrical systems. All relevant events are logged in the DEHNwork app, which enables complete documentation.

### Check the condition of overhead lines easily

The DEHNproX wireless inspection camera enables safe and efficient inspection of switchgear and overhead contact lines in the railway environment. The inspection can be carried out without disconnecting the systems, which increases operational safety and minimises downtimes. The practical inspection camera with DB InfraGO AG approval thus facilitates the regular visual inspection and documentation of the condition of the live overhead contact line system. This contributes significantly to the safety and reliability of the railway infrastructure by enabling potential hazards to be recognised and rectified at an early stage.

You can find more information on our [website](#).



DEHN at InnoTrans 2024

Image: DEHN SE

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#### About DEHN SE

DEHN is a leading, international family-owned electrical engineering company based in Neumarkt, Germany. With its comprehensive portfolio, DEHN addresses the megatrends of our time - from e-mobility and renewables to the protection of critical infrastructure. The company offers solutions and services for lightning and surge protection as well as safety equipment – fields in which, with more than 1,100 patents, DEHN is a leading innovator. The company's products protect people and buildings, systems and telecommunications technology, process industry, as well as photovoltaic systems and wind turbines.

With more than 2,500 employees worldwide, DEHN achieved revenue of around 470 million euros in the fiscal year 2023/2024. Alongside more than 110 years of experience, this constant growth is based on the highest quality standards and a consistent orientation towards customers and markets worldwide.