

Deutsche Bahn opts for Kontron Transportation technology

Vienna / Immenstaad, 27 January 2022 - As part of an EU-wide award procedure for the "Gefo Reinvest" project, Deutsche Bahn (DB Netz AG) has signed a framework contract with Kontron Transportation Deutschland GmbH for the construction of a state-of-the-art communication system that meets the requirements of modern DB operations management. The contract volume over the term of approximately 6 years is expected to amount to more than 90 million EURO.

DB Netz AG operates the telecommunications for railway communication and ensures secure and reliable voice transmission between the dispatchers, the operating centers and the train drivers with the corresponding infrastructure. With "Gefo Reinvest", the communication system based on older ISDN technology, including 3,500 Gefos (GSM-R stationary telephones), will be replaced by a state-of-the-art communication system in the next few years under the leadership of Kontron Transportation Germany.

The new system is based on the next generation of communication systems for mission-critical networks and will interoperate with the existing GSM-R network (Global System for Mobile Communication-Railway). The system offers open and standardised interfaces and is already an investment towards FRMCS (Future Railway Mobile Communication System). The integration into the existing GSM-R system of the DB Netz guarantees an easy migration in the future.

The technical core of the system is an IMS (IP Multimedia Subsystem) based switching platform as well as the MCx (Mission Critical Services) application of Kontron Transportation, which is implemented on a NFVI (Network Function Virtualization Infrastructure) from the Kontron subsidiary Iskratel. Long Live Carrier Grade Server from Kontron will be used for this purpose. Furthermore, the obsolete TDM (Time-Division Multiplexing) based data network infrastructure will be replaced by a modern IP/MPLS (Internet Protocol / Multiprotocol Label Switching) transmission network for networking the central components and the new IP Gefos, which is part of the contract.



„We would like to thank our customer, Deutsche Bahn, for the trust in our services and solutions. We are proud to take this step towards the future with DB. This project is a great start into a new, successful business year for the entire Kontron Transportation team“, says Michael Riegert, CEO Kontron Transportation.



„With this offer, we are using the entire technology competence of Kontron Transportation. In this important project we see a milestone in the preparation for FRMCS“, says Bernd Eder, CFO Kontron Transportation.

About Kontron Transportation

Kontron Transportation is a leading global supplier of end-to-end communications solutions for mission-critical and carrier networks. The portfolio includes GSM-Railways, FRMCS, TETRA, DMR, LTE solutions for mission critical networks as well as mobility solutions for the public transport sector and is enabled through a comprehensive service value chain. A further mission is to provide a critical E2E IIoT solution dedicated for railway operators. Kontron Transportation invests in research and development and is an associated member of the European research initiative Shift2Rail.

Kontron Transportation is part of S&T group and headquartered in Vienna (Kontron Transportation Austria AG) with main subsidiaries in Belgium, France, Germany, Portugal, Spain, the Czech Republic and United Kingdom.

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About Kontron – Member of the S&T Group

Kontron is a global leader in IoT/Embedded Computing Technology (ECT). As a part of technology group S&T, Kontron offers a combined portfolio of secure hardware, middleware and services for Internet of Things (IoT) and Industry 4.0 applications. With its standard products and tailor-made solutions based on highly reliable state-of-the-art embedded technologies, Kontron provides secure and innovative applications for a variety of industries. As a result, customers benefit from accelerated time-to-market, reduced total cost of ownership, product longevity and the best fully integrated applications overall. For more information, please visit: www.kontron.com

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