

Teleste's on-board solution on UK metro trains

[Teleste](#) will deliver its on-board solution to [Stadler](#) for the Tyne and Wear Metro transport authority [Nexus in Newcastle upon Tyne](#) in northeast England.

The deployment will be on 46 new trains, which Stadler will deliver to Nexus from 2022 onwards. Entering commercial services from 2023 onwards, the trains have been designed to boost smooth travel metro network.

“As a provider of modern public transport solutions, our focus is on proven and secure technologies harnessed with the latest technical innovations. They create essential building blocks for meeting today's requirements of real-time information delivery and travel safety. We appreciate the opportunity to be part in providing the best travelling experience for the passengers of the Tyne and Wear Metro,” said Jarkko Vehkala, Head of the Rolling Stock Manufacturers business line at Teleste in today's announcement.

Teleste's solution will consist of public address and passenger information systems with on-board TFT and LED displays, taking care of reliable, real-time delivery of information for the passengers. Featuring a full CCTV system for on-board video surveillance and on-train camera monitoring, the solution will also provide the metro passengers with enhanced safety. Fleet performance is improved by a pantographic tracker system that monitors the pantograph continuously to anticipate any possible deterioration or malfunction immediately and therefor improve train availability. The smart system utilizes live images and AI to track the pantograph and helps detect any anomalies through automatic alarms.