

Following successful trials of 5G-ready comms equipment, JMCI A selects RFS for new rail projects in Japan

RFS to deploy radiating cable for new rail lines in some of Japan's busiest cities



HANNOVER, 16th November 2022, Radio Frequency Systems (RFS), a global designer and manufacturer of wireless connectivity solutions, today announced it has been tapped by Japan Mobile Communications Infrastructure Association (JMCI A) for wireless infrastructure projects in new railway tunnels following successful equipment trials in Tokyo.

The trials demonstrated the suitability of RFS's RADIAFLEX radiating cable for delivering continuous coverage across tunnel environments. It provided proof of concept for a configuration using both a single radiating cable and 2x2 MIMO which uses two differently polarized cables to increase the capabilities of the system. The MIMO capabilities shown in the trial allowed the speed and capacity of the deployment to be increased in line with changing requirements. It also demonstrated futureproofing; delivering 4G connectivity while being fully 5G-ready, plus by using RFS's stopband free cable, the system can be retuned if necessary to align with future standards.

The new projects will use 8km of RFS RADIAFLEX cable throughout new underground tunnels. The delivery of the project is already underway and will be able to offer 4GLTE and 5G NR to customers before the end of 2022.

Monika Maurer, CEO at RFS commented, "We're delighted to be working with JMCI A on this project. Since the very first installation exactly 50 years ago, RADIAFLEX cables have always been designed to suit the current and future needs of our customers and we look forward to seeing that in action across these projects."



About RFS

Radio Frequency Systems (RFS) is a global designer and manufacturer of cable, antenna and tower systems, plus active and passive RF conditioning modules, providing total-package solutions for wireless infrastructure.

RFS serves OEMs, distributors, system integrators, operators and installers in the broadcast, wireless communications, land-mobile and microwave market sectors. As an ISO compliant organization with manufacturing and customer service facilities that span the globe, RFS offers cutting-edge engineering capabilities, superior field support and innovative product design. RFS is a leader in wireless infrastructure.

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