Press Release

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RFS expands underground footprint with presence in 41% of metros worldwide

Specialist in in-tunnel RF solutions adds significant projects to its portfolio with over 80 metro deployments

Paris, August 6, 2020 – Radio Frequency Systems (RFS), a global designer and manufacturer of total-package solutions for wireless and broadcast infrastructure, today announces that major project wins in H1 2020 have brought its metro footprint to 41% worldwide.

RFS has a long history of providing high-tech in-tunnel solutions; working on projects globally including; the Beijing Metro, London Underground, and New York Subway. It also set the world record for in-tunnel download speeds in the FolloBahn deployment in Norway in 2018.

RFS's metro deployments in numbers

- 82 metros worldwide use RFS RADIAFLEX cable for in-tunnel consumer and critical communications
- Metros using RFS's radiating cable have a combined daily ridership 134 million
- This includes a presence in 60% of North America's subways and 49.25% of all metros across Europe

All deployments take advantage of RFS RADIAFLEX® radiating cables, patented by RFS in 1972, they form the communication backbone for some of the world's busiest metros. RFS has constantly evolved the capabilities of its radiating cable with the latest version supporting all mission critical and commercial wireless services, working in all 3GPP bands up to 3.8GHz. RFS's unique mode suppression technology allows the ultra-broadband cable to work with no stopbands. This enables 4G connectivity today, whilst also anticipating future requirements. This gives customers the flexibility to migrate to 5G without further infrastructure investment.

The cable is technology agnostic, giving complete flexibility to customers, supporting mixed configurations and multi-operator or shared infrastructure deployments. It is also specifically designed to meet the challenges of MIMO deployments. Using a combination of horizontally polarized and vertically polarized radiating cable, RFS enables the capacity and throughput needed for commercial 5G deployments. Additionally, the cables are designed to meet highest fire safety requirements and are certified according to European Construction Product Regulation (CPR) and UL 2196.

Axel Schroeder, Product Manager Indoor Solutions Business Unit Cables commented, "In-tunnel is one of the most challenging environments when it comes to RF coverage. It speaks volumes that even after nearly 50 years, our RADIAFLEX cable is still the go to solution for tackling that tough environment. It has constantly evolved to overcome new challenges and continuously and consistently deliver reliable connectivity for consumers and emergency comms alike. As the world continues to move in the direction of connectivity everywhere, we're delighted that when it comes to in-tunnel environments, municipalities across the globe know RFS has it covered."

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.

Trademarks

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