



News from RFS

November 20th, 2013

Wireless indoor solutions tailored for your needs RFS displays its latest developments at PMRExpo

Radio Frequency Systems (RFS), the global wireless and broadcast infrastructure specialist, will present its in-tunnel and in-building solutions at "PMRExpo 2013" (26th to 28th November) in Cologne, Germany. The RFS booth (Stand A 08) will showcase the RFS portfolio of wireless indoor solutions and highlight its experience in delivering reliable in-building and in-tunnel solutions to customers around the world. RFS will feature its best-in-class RADIAFLEX® radiating cables, indoor antennas and transmission lines as well as all related accessories.



Cologne (Germany), 26-28 November, 2013. In the spotlight at the exhibit is the RFS range of unrivalled RADIAFLEX® radiating cables designed to provide RF broadband wireless coverage for confined areas. Radiating coaxial low-loss cables are distributed antennas which facilitate radio communication where the usual free space propagation

of electromagnetic waves is hampered, undesired or impossible in environments such as tunnels, mines, buildings, and large complexes like exhibition grounds or airports. For more than 40 years, RFS has been the globally acknowledged expert in tunnel and building RF coverage systems, with worldwide experience and know-how spanning six continents and many hundreds of distributed antenna system (DAS) installations.

RFS offers the widest product range of [RADIAFLEX® radiating cables for confined area coverage](#) and the best product fit for the market, whatever the specific project needs are: from mission critical (Tetra / GSM-Rail / signaling / track-to-train radio) to commercial (4G, 3G, 2G) wireless services; from RF ultra-broadband (multi-band / multi-operator) to band-specific applications of licensed or unlicensed frequencies; performance optimized best fit options which meet individual requirements and/or constraints (e.g. radiating cable position vs. receive (mobile/on-board) antenna location/orientation) in road/rail/metro tunnels and buildings; offering end-to-end indoor solutions including consultancy and product attached services such as solution design and on-site acceptance. RFS strives to provide the lowest total cost of ownership with passive solutions that require almost no maintenance and consume no electricity. This keeps costs down and ensures error-free operation and high system availability — key requirements for mission-critical services.

The RADIAFLEX® suite of radiating cables feature RFS' patented "higher order mode suppression technique" that allows RFS to offer cables that support current and future in-tunnel and in-building commercial and private radio services from 698 MHz to 2700 MHz for valuable cost savings. As a result of this patented higher mode suppression, selected RADIAFLEX® cables have no stop band from 698-2700 MHz. RADIAFLEX® cables are future-proof with respect to RF spectrum re-banding / re-farming, ensure low insertion loss and excellent coupling performance, and feature halogen-free,



non-corrosive, low-smoke and flame-retardant jacket material for safe and reliable long-term cable operation.

RFS HYBRIFLEX™ cables will also be prominently displayed at the exhibit. These cables combine optical fiber and DC power for Remote Radio Heads (RRHs) in a single corrugated cable thus reducing installation time by nearly 50%. RFS has equipped numerous trial sites and deployments around the globe – operators in Australia, Asia, Latin America, Africa and the United States appreciate the easy handling and cost-saving features of HYBRIFLEX™. In Germany, RFS has embedded itself even further with HYBRIFLEX™ as an essential part of many LTE-sites throughout the country.

“We are offering our customers a complete range of solutions for the public mobile sector”, said Markus Krueger and Reinhard Poenopp, Regional Sales Managers at RFS. “The recently installed RADIAFLEX® cables in the new EZB building in Frankfurt and in the Munich Metro tunnels are proof points that the RFS solution is superior and provides the most reliable performance that withstands the tests of time.”

Our indoor expert and project leader of wireless communications systems that demand the highest capacity, Jörg Kretzschmar will be on-site to discuss details about the RFS wireless communications solutions deployed in the Dublin stadium as well as, more recently, the world famous Maracana stadium in Rio de Janeiro and other stadiums in Brazil, which are currently under preparation for the FIFA World Cup 2014. To learn more about RFS’s capabilities and its full portfolio of solutions, visit the company’s stand at PMRExpo: Hall 10.2, Stand A08, Koelnmesse Cologne, 26th to 28th November, 2013.

Trademarks: RFS® is a registered trademark of Radio Frequency Systems. All other trademarks are the property of their respective owners.

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 outdoor and indoor 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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About PMRExpo

PMRExpo is the international branch meeting place for Professional Mobile Radio (PMR and Trunked Radio) as well as Command & Control Centres. It addresses executives and specialized visitors and participants from the target groups: BOS (authorities and organizations with security tasks), municipal utilities, energy industry, local public transport, industry, logistics and specialized trade as well as from municipalities.

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