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KymiRing Finland, the World's Leading 5G Motorsports Circuit and EDZCOM to build innovative Nokia private wireless network

KymiRing, the largest motorsports and events venue in Northern Europe, will implement industrial-grade private wireless technology to provide its customers the most advanced network throughout the whole 180 hectares of circuit area.

The 5G private wireless network will be completed during 2021 by EDZCOM, the European market leader in edge connectivity solutions. This new technology will not only fulfil international broadcasting needs but also provide a safe and secure testing environment for the automotive industry.

Motorsport audiences around the world will get to enjoy an entirely new kind of spectator experience with KymiRing's first-class network services. The capacity and speed of the network will enable unprecedented televising techniques for motorsport.

"With this network investment we will have the capacity to broadcast a live stream of numerous racers at the same time. Nothing on the track will remain beyond coverage and everything can be monitored and controlled in real time," says **Markku Pietilä**, CEO, KymiRing.

EDZCOM, the European market leader in Edge Connectivity solutions, is supporting KymiRing on its 5G journey by deploying reliable, high-bandwidth connectivity and capacity that will evolve to ultra-low latency and even faster speeds. EDZCOM, a Cellnex company, is experienced in designing, building and operating private wireless network solutions in demanding locations.

As part of the agreement, Nokia will provide KymiRing with a high-performance Nokia Digital Automation Cloud (DAC) private wireless network and edge computing platform. This will effectively replace the need for traditional two-way radio. The reliable high-bandwidth and ultra-low latency will allow KymiRing to leverage a wide range of new and different services and innovate further for their customers.

"We see this platform as a springboard to build our digital business and develop new services. KymiRing has chosen Nokia as its device supplier given its pioneering technology and security," Pietilä continues.

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In addition to improving the spectator experience, the new private wireless environment will also benefit broadcast production companies with reliable, secure, high-bandwidth connectivity:

“Big events generally require an enormous stake from production companies, who arrive with truckloads of cables and support technology. Thanks to our network improvements, the infrastructure is completed significantly faster as most of the technology is available on site,” Pietilä describes the change.

Test bed to match automotive industry’s needs

The industrial-grade 5G technology network at KymiRing will offer an efficient and safe testing environment to develop autonomous and connected vehicles and software.

According to Pietilä, the digitalized track will allow the transfer of testing data in real time, adding: “We will be able to deliver sensor data via the network directly to any destination in the world, while testing in even demanding conditions.”

KymiRing offers digitalized testing possibilities not only on a highspeed Grand Prix circuit but also on the vehicle dynamics areas, off-road tracks and closed city courses throughout the year in various weather conditions.

From real-time monitoring to automation

EDZCOM understands the requirements for private networks involved in the transmission of massive international productions. The reliability of the wireless network is business critical. Effective connections are needed for no-delay and real-time monitoring, as well as various enterprise resource planning (ERP) systems, robotics and automation.

“We have experience in providing connectivity solutions for stadiums in Europe and complex industrial-class network implementations alike and will leverage our unique expertise in private networks in this project,” says **Jouko Tuppurainen**, VP, Industry sector sales at EDZCOM.

Jouko Tuppurainen is very satisfied with the partnership with KymiRing and believes it will continue well into the future: “The project has strict requirements, and we naturally expect a great deal from this co-operation. A network of this magnitude has to be built

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together, and I believe that we will also develop services collaboratively in the future, too."

"Motorsport has a long legacy of being at the forefront of technology innovation. KymiRing is no exception. Implementing 5G will enhance the testing environment for automotive teams and radically transform the viewing experience for fans and spectators," says Stephan Litjens, General Manager, Enterprise Solutions, Nokia Cloud & Network Services.

Additional information and interview requests:

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EDZCOM

EDZCOM, a Cellnex Company, is the European market leader in Edge Connectivity, originated in Finland, specialised in designing, building and operating private wireless network solutions for the enterprise customers, with a focus on business-critical operations. In addition to Finland, EDZCOM has rapidly expanded to Sweden, the UK, France and the Netherlands, and its growing international team employs more than 30 top professionals in the field. EDZCOM's solutions are designed and built for the customer, guaranteeing high performance of business-critical communications, and enabling 100% customer control. For more information, visit www.edzcom.com and follow EDZCOM on [LinkedIn](#).

KymiRing

Motorsports and events venue KymiRing is located in Iitti, Lahti region (Finland). It is Northern Europe's only GP Circuit fulfilling the highest requirements of FIM and FIA. The track is 4.5 kilometres long with 21 curves and has an altitude difference of 18 metres. The length of the main straight is 1,1 km – the longest GP straight in Europe. KymiRing's huge 180 hectares circuit area with modern

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facilities offers various possibilities for both automotive sports and the testing industry. More information: www.kymiring.fi.

Nokia

We create the critical networks and technologies to bring together the world's intelligence, across businesses, cities, supply chains and societies. With our commitment to innovation and technology leadership, driven by the award-winning Nokia Bell Labs, we deliver networks at the limits of science across mobile, infrastructure, cloud and enabling technologies. Adhering to the highest standards of integrity and security, we help build the capabilities we need for a more productive, sustainable and inclusive world. For our latest updates, please visit us online www.nokia.com and follow us on Twitter @nokia.