Press release

umlaut Launches "5G Campus Lab," an Open RAN Private Network to Accelerate the Development of Connectivity Solutions for Clients

AACHEN, Germany; June 30, 2022 – umlaut, part of Accenture (NYSE: ACN), has opened a private 5G standalone, Open RAN network in Aachen, Germany. The "5G Campus Lab" enables companies across industries to design, test and implement ultra-high-speed and low-latency connectivity solutions faster without having to invest in building their own network.

Powerful wireless connectivity is becoming increasingly important as companies are heading towards a total enterprise reinvention, which will transform every part of their business through technology, data and artificial intelligence. Some examples of this transformation include connected vehicles and bringing robotics and cloud-based automation solutions to factories, which will generate massive amounts of data and put enormous pressure on data networks.

The 5G Campus Lab offers the following capabilities and services:

- Companies can validate their existing 5G use cases to identify and resolve issues up-front, such as ensuring that different end-devices and sensors work smoothly together. They can go hand-on without having to set up their own private 5G networks, which are costly to build and usually require obtaining a license from network authorities.

- Companies can experiment with umlaut's use cases. These include but aren't limited to the following areas: smart manufacturing, including process automation and predictive maintenance; telemedicine with a digitized rescue chain; software-defined vehicles; and real-time augmented reality for digital twins.

- With its holistic engineering and industry expertise, umlaut helps companies develop and deploy new individual 5G use cases, which leverage best-of-breed technologies, apply security-by-design, and support energy efficiency.

- umlaut supports clients looking to build their own private network with its deep understanding of the challenges behind the integration and interoperability of network devices and technologies such as Open RAN.

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The 5G Campus Lab covers indoor and outdoor areas and provides 100 MHz of C-Band spectrum. As a 5G standalone network, it doesn't require LTE technology for signaling and information transfer. It is supported by Open RAN, an emerging technology using open interfaces that allow for the communication of software and hardware components from different vendors, enabling innovative wireless solutions at low costs.

Hakan Ekmen, CEO Telecommunication at umlaut, said: "5G is a key enabler of smart connected products and manufacturing. Our 5G Campus Lab is the ideal testing ground for companies wanting to capitalize on latest wireless connectivity technologies, cloud-based Open RAN virtualized infrastructure, and massive Multi-Input, Multi-Output (MIMO) antennas."

Caption 1: Massive Multi-Input, Multi-Output (MIMO) antennas on top of the umlaut campus in Aachen, Germany.

Caption 2: Open RAN hardware components – such as the white router on the ceiling – enable innovative wireless solutions for indoor usage.

Caption 3: Cloud-based Open RAN virtualized infrastructure housed in one server.

About umlaut

umlaut, part of Accenture, is a global, full-service, cross-industry, end-to-end company that offers advisory and fulfilment services to clients all over the world. In-depth domain expertise, broad practical knowledge and interdisciplinary collaboration allow them to add value, quality and focus to their clients' organizations, services, and products, in disruptive times in which industries are increasingly converging.

Within an able and agile collective of 20 consultancies and engineering firms spread across 50 locations all over the world, 4,500 specialized experts and engineers provide innovative solutions and transformations across all industries and their various intersections as well as serving the public sector and developing organizational cultures, structures and processes.

For more information please visit: www.umlaut.com.

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