

INTEL COLLABORATES

WITH INDUSTRY LEADERS TO LAY THE FOUNDATION FOR 5G NETWORKS



Future 5G wireless networks must be smarter, faster and more efficient to support the forthcoming billions of connected devices, data-rich personalized services, and cloud applications that will enable amazing new experiences – from telemedicine to self-driving cars – in our daily lives. Intel is accelerating the path to 5G development by working with industry leaders to deliver optimized solutions for both devices and the network, including collaborations with:

AT&T*



Collaborating with Intel and Ericsson on its first 5G trials in 2016 that will provide 5G wireless connectivity to homes and small businesses in Austin, Texas, and set the stage for widespread commercial availability.

NOKIA*



Collaborating on pre-standard 5G radio technologies and network solutions to enable early implementation of both 5G mobile client and wireless infrastructure, and working on interoperability of 5G radio technologies to meet the device connectivity requirements for future wireless networks.

CHINA MOBILE*



Developing a mini Cloud-RAN concept with Intel, Wind River and Artesyn that showcases how operators can implement a more cost-effective infrastructure to better handle increases in data and video traffic.

NTT DOCOMO*



Conducting experimental trials of 5G handset chipsets to enable current mobile use cases and new applications.

CISCO*



Collaborating with Ericsson and Intel to develop and trial a 5G router.

SK TELECOM*



Working on various 5G mobile device and network technology efforts, including a modem that supports 5G, concepts for anchor-booster cell and massive MIMO to improve wireless network capacity and joint solutions for Licensed Assisted Access (LAA) in unlicensed spectrum bands.

DEUTSCHE TELEKOM AG*



Developing use cases for 5G mobile devices and network architectures and integrating those into future trials.

TELEFONICA*



Utilizing Telefonica's NFV Reference lab as well as 5TONIC, an open research laboratory of 5G excellence, to test 5G client devices and network technologies for mobile and IoT use cases across various verticals.

ERICSSON*



Collaborating with mobile operators on 5G solutions and engaging in joint trials as an extension of the current partnership in network transformation, cloud and IoT.

VERIZON*



Conducting field trials for 5G wireless solutions through the Verizon 5G Technology Forum* that demonstrate how millimeter wave spectrum is a viable way to deliver high-quality and fast wireless connectivity to homes and businesses.

HUAWEI*



Collaborating with Intel to deliver cloud/NFV solutions that will enable telecommunications service providers to transform their data centers as they lay the foundation to 5G.

VODAFONE*



Evaluating a wide range of 5G technologies and will test hardware and software services in Vodafone Group's UK Innovation Labs, as well as conduct trials on Vodafone's radio and core networks in selected global markets.

KOREA TELECOM*



Conducting 5G trials in 2018 that focus on the development and verification of 5G wireless technology and associated devices, virtual network platforms and joint standardization efforts.

ZTE*



Developing a 5G network slicing prototype with China Mobile that utilizes Intel® Xeon® processors and enables a more efficient and flexible network.

LG ELECTRONICS*



Developing and piloting 5G telematics technology for next-generation cars.

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