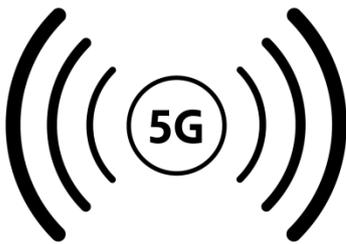


Press release

France (Rennes, Paris), December 12th 2016

Nokia joins with b<>com and accelerates its 5G innovation

Nokia has just confirmed its investment in the b<>com Institute of Research and Technology specialized in digital technologies. Early January, the research and innovation teams of Nokia Bell Labs will be involved in projects related to the deployment and security of the coming 5G standard.



Nokia, innovation leader in these technologies and a top European manufacturer, confirms its willingness to get involved in the national ecosystem, and considers b<>com as an open innovation framework that brings together ambitious academic and industrial partners.

Nokia Bell Labs and b<>com's Networks and Security teams will draw on their synergies, and specifically, Nokia will be able to count on cutting-edge expertise developed at b<>com in Cloud Computing, the Internet of Things, network functions virtualization (NFV) and software-defined networks (SDN). It will also be able to rely on the deployment and operation of a unique 5G experimentation and cyber-security platform.

"This partnership with b<>com is fully in line with Nokia's open innovation strategy and confirms our position as a key player in France's digital ecosystem. More than ever, the complexity of 5G networks involves collaborating with others in industry and academia to accelerate development. Our involvement, through our Nokia Bell Labs teams, will primarily relate to the virtualization of networks and cybersecurity" **said Marc Rouanne, Chief Innovation and Operating Officer of the Nokia Group.**

"We are very proud to welcome Nokia to our circle of associate members. This announcement strengthens our involvement in French initiatives like the "Plan Souveraineté Télécom" and the "Pôle d'Excellence Cybersécurité". It makes us a key player in the European innovation landscape related to the future digital society subjects: 5G and cybersecurity," added **Vincent Marcatté, President of b<>com.**

In addition to its initial cooperation on European H2020 projects, b<>com was found appealing for its original philosophy of action and its early results that speak for themselves: in less than 4 years, the research center has attracted 220 researchers, opened four sites, contributed to major open-source communities, and provided dozens of technological solutions in France and abroad. Today, Nokia is making a long-term commitment through a financial and human investment whose first tangible sign will be in the form of a team joining b<>com's Lannion site.

About b<>com

With its innovations, the Institute of Research and Technology (IRT) b<>com is taking part in the European digital transformation. Its 230 researchers develop tools, products, and services that make everyday life easier. They focus on two fields of research: Hypermedia (ultra-high definition images, 3D sound, smart content, virtual and augmented reality) and more agile ultra-high speed networks (cloud, cybersecurity, ultra-high speed mobile, network resilience, Internet of Things). Of the many fields of application for these technologies, e-health has allowed b<>com to participate in the digital revolution going on in medicine. Founded through a public/private partnership, the IRT gathers the best experts from industry and academia at its campus in Rennes, and at its sites in Paris, Lannion and Brest. www.b-com.com

About Nokia

Nokia is a global leader in creating the technologies at the heart of our connected world. Powered by the research and innovation of Nokia Bell Labs, we serve communications service providers, governments, large enterprises and consumers, with the industry's most complete, end-to-end portfolio of products, services and licensing.

From the enabling infrastructure for 5G and the Internet of Things, to emerging applications in virtual reality and digital health, we are shaping the future of technology to transform the human experience. www.nokia.com

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