

## **5G Public Private Partnership, the Next Generation of Broadband infrastructure**

The European Commission, with the 5G Infrastructure Association, launched in 2013 a Public Private Partnership on 5G (5G PPP). The 5G PPP will create new jobs, offering growth and innovation opportunities. It will create a secure, reliable high-performance network for a fast Internet accessible to everyone and everywhere.



The European telecommunications industry has been at the forefront of global competition ever since the early days of mobile technology. 5G is now considered as the “most critical building block of our digital society in the next decade”. The European Commission, together with the 5G Infrastructure Association, launched in 2013 the Public Private Partnership on 5G (5G PPP). This flagship initiative between the Commission and European and ICT industry, including manufacturers, telecom operators, service providers, SMEs and research institutions, aims to accelerate research developments in 5G technology.

The 5G PPP will transform our industries by creating new jobs and offering growth and innovation opportunities. It will also improve the access to the digital skills, the way we work and deliver new technologies for the next generation communication infrastructures. The Internet of Things and services that will provide ubiquitous super-fast connectivity and seamless service delivery in all circumstances are also an important component. This new high-performance network will create a secure, reliable and fast Internet accessible for everyone and everywhere. Euro-5G PPP also facilitated series of Global 5G events to highlight the European achievements in 5G, harmonize the views and achieve significant progress on a global agreement towards common strategies for implementing 5G. In its work, the Euro-5G project together with its 10 partners from different EU countries, actively supported the 5G-PPP goal to further improve the competitiveness of the European ICT industry and to ensure that European society can enjoy the economic and societal benefits these future networks will bring.



#### Project in brief

- **Total budget:** EUR 700 000 000 under the Horizon 2020
- **Period:** started July 2015
- **Countries involved:** Germany (coordinator), Belgium, France, United Kingdom, Italy

#### KEY FIGURES IN THE EUROPEAN UNION



In 2016, 76 % of European households – but only 40 % of those in rural areas – had access to a fast Internet connection



New 5G standard gives 10 times faster mobile broadband access rate thanks to 5G EU research



In 2025, benefits of 5G in automotive, health, transport and energy sectors could reach EUR 113.1 billion per year

#### A EUROPEAN STRATEGY TO SUPPORT THE DIGITISATION OF THE INDUSTRY

The Digital Single Market creates opportunities for new start-ups and existing companies in a market of over 500 million people. Completing a Digital Single Market can contribute EUR 415 billion per year to Europe's economy. The digital transformation of EU businesses and society presents enormous growth potential for Europe. The European Commission identifies the 5G standards as one of the five priority areas under the Digitising European Industry initiative. The «fifth generation» of telecommunications systems, or 5G, will be the most critical building block of our “digital society” in the future. Europe has taken significant steps to lead global developments towards this strategic technology. 5G Infrastructure Public Private Partnership (5G PPP) supports the development and deployment of 5G networks in Europe by 2020. Europe's research also contributes to the definition of the future global 5G standards and spectrum, placing Europe among the technology's pioneers. A study forecasting the socio-economic results of 5G, estimates that in 2025 benefits from the introduction of 5G capabilities could reach EUR 113.1 billion per year in four key sectors which will be the first users of 5G connectivity: automotive, health, transport and energy. Investments of approximately EUR 56.6 billion should create 2.3 million jobs in Europe.

More info: [5g-ppp.eu/euro-5g-cordis.europa.eu/project/rcn/196994\\_en.html](http://5g-ppp.eu/euro-5g-cordis.europa.eu/project/rcn/196994_en.html)

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