

A stylized, light blue illustration of a smart city. It shows various buildings, houses, and people. Labels like 'CONNECTED CITY', 'CONNECTED HOUSE', 'CONNECTED HEALTH', 'CONNECTED PEOPLE', and 'CONNECTED TRANSPORTATION' are scattered throughout the scene, connected by lines representing data or communication. There are also icons for Wi-Fi, a satellite, a car, a person with a briefcase, and a person with a stroller.

The 5G Infrastructure Public-Private Partnership

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Key challenges



- Public Private Partnership (PPP) programme to deliver solutions, architectures, technologies and standards for the ubiquitous 5G communication infrastructures of the next decade
- Programme Ambitions: Key Challenges / High level KPIs
 - Providing 1000 times higher wireless area capacity and more varied service capabilities compared to 2010
 - Saving up to 90% of energy per service provided. The main focus will be in mobile communication networks where the dominating energy consumption comes from the radio access network
 - Reducing the average service creation time cycle from 90 hours to 90 minutes
 - Creating a secure, reliable and dependable Internet with a “zero perceived” downtime for services provision
 - Facilitating very dense deployments of wireless communication links to connect over 7 trillion wireless devices serving over 7 billion people
 - Enabling advanced user controlled privacy

Source: 5G Infrastructure Association

