

5G PPP SMEs SUCCESS STORIES

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1. Introduction

Ubiwhere is a Research and Innovation SME, based in Portugal, developing innovative and user-centred software solutions mainly focused on two main areas namely Telco & Future Internet as well as Smart Cities.

2. Goals and Challenges in relation to 5G PPP

Ubiwhere is channelling a considerable effort into research activities on Network Virtualization Architectures, NFV and SDN technologies eager to translate the know-how acquired into commercial products. Ubiwhere is engaged in two 5G-PPP (phase 1) projects that aim to allow the full virtualization of networks and its autonomous or assisted management. Ubiwhere is also participating in an H2020 project (SHIELD) addressing virtualized security appliances. Starting this year, Ubiwhere will participate in a recently approved 5G-PPP project (phase 2) aiming to build and deploy a common, multi-tenant, open platform that extends the (centralised) cloud model to the extreme edge of the network enabling smart city use cases.

3. The use of 5G technology

5G technology is expected to bloom in a few years and Ubiwhere intends to be a reference in this market at that point. Ubiwhere is incorporating 5G technology into its smart city products expecting in one hand this technology to enable these smart city deployments but also to use these deployments to promote and spread the use of 5G technology. Regarding Ubiwhere's TELCO products, 5G technologies are currently being integrated in its primary solutions. Furthermore, new 5G enterprise solutions are currently in Ubiwhere's roadmap either in the specification or development phase.

4. Benefits and accomplishments

5G PPP projects in which Ubiwhere is participating has already had a considerable impact in the company. The hands on know how acquired in both SDN and NFV technologies allowed to revolutionize the technology stack of its TELCO department. Furthermore, 5G PPP consortia in which Ubiwhere is participating allowed this company to boost its partner contact in the TELCO sector of both potential clients and potential partners.