NetworldEurope SME Working Group

SME Success Story – October 2022

Incelligent

Incelligent is a company based in Athens, Greece, founded in 2014 by highly experienced telecom business professionals and R&D engineers. Currently, its workforce consists of highly competent software engineers/ developers, machine learning engineers and big data scientists.

Incelligent's core IP is a platform that has been developed out of years of R&D in the areas of **Big Data, Machine Learning (ML) and Artificial Intelligence (AI)**. By following best practices in data-driven development (DataOps), Incelligent has managed to systematically incorporate the latest advances in Big Data, ML/AI-related technologies in its product research and development processes, resulting in a diverse product portfolio that includes **out-of-the box and production-ready, AI/ML-based solutions**, tailor-made for the Telecommunications, Banking and Public sectors.

Incelligent is currently involved in two 5G-PPP projects, namely **LOCUS** (http://www.locus-project.eu/) and **VITAL-5G** (https://www.vital5g.eu/) and has previously participated in the MATILDA and 5G-PHOS projects, thus offering its personnel the opportunity to enhance their competencies with respect to the 5G ecosystem. Through its involvement in 5G PPP projects, Incelligent aims to enhance its engagements in the Telecommunications sector and other vertical sectors, and expand its portfolio of solutions, adding new enhanced software modules/ functionalities.

Recently, Incelligent was recognized as one of the **key innovators by the European Commission's Innovation Radar** with respect to the platform developed within the LOCUS project, which was selected as a **high-impact, technology-ready innovation**. Furthermore, Incelligent is now able to exploit the positioning/location-centric principles, concepts, technologies and know-how acquired within LOCUS for extending its platform's set of APIs/services and eventually supported vertical applications. By combining fine-grained location/positioning information and Incelligent's advanced traffic and mobility prediction mechanisms, the new functionalities and insights yielded are exploitable by current products and potentially can be used in fine-tuning network resource allocation, as well as for enabling other vertical and 3rd-party services.

As a matter of fact, Incelligent is already offering **services and products implementing location-based analytics use cases in one of its telco operator customers through its RAN.ai suite of AI/ML-based solutions for improving telecom operations/services**. This mainly involves various mechanisms for ingestion and appropriate geo-tagging and enrichment of data, cell classification through geospatial correlations, mobility patterns and trajectories identification and so on, with the purpose of supporting **subscriber mobility and marketing-oriented use cases**. Last but not least, Incelligent is currently exploring the potential for

exploitation along with other innovators within the consortium related to the aforementioned innovation and possible avenues for exploitation.

In addition to the above, within the VITAL-5G project, Incelligent's work **expands upon its product/service offerings to other relevant vertical sectors of interest, namely Customs**, and delivers advanced data ingestion and ML/AI capabilities dedicated to the needs of the verticals in question.

On the whole, Incelligent has managed to enrich the supported functionalities/solutions in its portfolio, perform validation activities and showcases, collaborate with large vendors and operators, further improve the company's position in the research field and global market, and -most of all- deliver contributions, which assist in the overall shaping of the 5G world.