

NetWorld2020 SME Working Group

SME Success Story



Telcaria Ideas S.L.

Telcaria is an SME providing advanced services to network operators and equipment manufacturers worldwide. We partner with network operators to redesign their products towards NFV/SDN based network infrastructure and cloud-computing applications. We collaborate with the IMDEA Networks and top Universities in the area: UC3M, UPM, and UAH. This critical mass of networking expertise located in very close proximity creates many synergies, having the members of these institutions a history of fruitful collaboration between them. The company is currently working in three H2020 EU (5GEVE, 5GROWTH, and 5G-DIVE), collaborates as an expert in the Master of SDN&NFV technologies offered by UC3M and is currently actively developing and commercially distributing Alviu, its SD-WAN solution.

Telcaria has participated in EU/FP7 NetIDE and two other 5G network-related projects: EU/H2020 SUPERFLUIDITY and 5G-CORAL (shortlisted in the Glotel Award for 'Best 5G innovation' and CSI Award for 'Best 5G project and innovation' in collaboration with Taiwanese partners), and is an active partner in 5G-EVE, 5GROWTH and 5G-DIVE. As an advanced network service virtualization SME, Telcaria has benefited from the technology advances generated from the previously mentioned projects acquiring the know-how for applying technologic achievements for rapid prototyping, design, validation, and direct deployment of Edge and Fog distributed computing platforms, advanced multi-domain monitoring platforms, innovations in orchestration mechanisms to assist offloading and roaming scenarios among others. Additionally, Telcaria has disseminated its results in major events and public demonstrations such as EuCNC.

Recently Telcaria successfully concluded EU/H2020 5G-CORAL, leading the SD-WAN PoC which demonstrates how the SD-WAN enables the federation of resources across different administrative domains while maintaining the service uninterrupted and guaranteeing a certain level of QoE at the Edge/Fog, enabling seamless migration between radio access technologies across domains by leveraging in roaming and offloading capabilities. This PoC has had a positive impact by improving latency, bandwidth and jitter by moving applications closer to the end-users, allowing service providers to serve more users in the same area due to the increased capacity and reduced latency of the Edge and Fog, contributing to reduce the bottlenecks caused when application traffic moves from user's terminal to the cloud.

In the wake of 5G PPP projects, Telcaria has motivated current employees to develop their professional careers to pursue a Ph.D. and has been able to hire new employees.

Contact: info@telcaria.com