Awarded Projects Interview

Awarded Project	**G(5G+SC)ECGms**
Company name	**Carbon Shark, SLU**

1. What is the company's business activity?

Carbon Shark is Spanish a company passionate about animal health and welfare, which develops medical devices for their remote and live health and welfare monitoring.

 The expertise of their engineering staff deserved several awards (like IoT World Europe Project Kairos - Health and Safety vertical, SIE Huesca Elevator Pitch or Seed Capital 2nd Prize + Socios Inversores Award from UNED's Entrepreneurship Program) and recognitions (like being the Veterinary medicine Representative for Europe at TRANS Conference, Top#10 at Startup of the Year Leser Award 2016-2017 of Startup Valley.news, or being finalist at FIWARE –IoT Challenge).

2. What is the 'G(5G+SC)ECGms' project?

The 'G(5G+SC)ECGms' project has the goal to develop a solution that will help medical experts to receive real cardio activity of patients in real time.

Our remote and live monitoring system enables patients, within high-risk groups, to a higher degree going about their ordinary lives. It reduces the need of visiting the doctor. It provides security and safety in the acute situation. And it improves the ability to detect and treat sickness at an earlier stage.

3. How did the idea come about?

It is based in a previous medical device development of Carbon Shark: Nala ECG/EKG device, a wearable ECG monitoring system, which includes 4G connectivity and a cloud management platform.

4. Who are the core partners of the project?

WearHealth assumes the development of the software, as well as the cloud computing technical support. WearHealth uses artificial intelligence with data from wearable and IoT devices to improve health and safety. As a spin-off from the Institute for Artificial Intelligence at the University of Bremen in Germany, it applies machine learning methodologies that have been validated during more than 10 years of research. In addition, its technology has been validated with leading companies in Germany, France and Spain. It has also been selected by renowned accelerators and awards such as TechFounders, The French Tech Ticket and Bind 4.0.

5. How did this collaboration between the partners arise?

We met during a Cross4Health event celebrated in Valladolid by Biotecyl (Health Cluster of Castilla y Leon).

6. How did you hear about the Cross4Health project?

At the event organized by Biotecyl, mentioned before.

7. What is the current status of the project?

The main objective during the first phases of this project was to validate the market and develop the first prototype of the 'G(5G+SC)ECGms' project to understand the customers and the user's needs and to identify and address the technical challenges to improve develop the first prototype.

8. What are the next steps?

We have set a goal to develop a first prototype and validate it with the key stakeholders for a technical, usability and business perspective. And we look forward to following the steps to access the market in the medium term.

9. How Cross4health can support the development of your project?

With the support of Cross4Health, and based on the initial field test of the current version of the prototype, we have classified our solution as TRL 7 ready.

In addition, the networking opportunities of Cross4Health can help us increase the possibilities of mutual cooperation with other private companies and/or Public Institutions.

10. Would you recommend Cross4Health to other companies?

Yes, of course. The expertise of the Cross4Health partners and its large industry network, as well as the available training and webinars, makes the Cross4Health call as an offer you can't refuse.