



Cross4Health

Awarded Projects Interview

Awarded Project	ADAMO ROBOT
Company name	FUTURE SENSE SL

1. What is the company's business activity?

Future Sense is an innovative company born with the objective of developing new technologies for the healthcare sector. We want to offer products to the market to improve people quality of life and provide clinics with innovative tools to improve treatments and for the prevention and diagnostics obtaining a social recognition and an economic profit. ADAMO robot represents the core pillar of our business strategy and our main objective is to bring to market this disruptive device that can provide a solution to back-pain illnesses globally. ADAMO is the materialization of this goal.

2. What is the Adamo Robot project?

ADAMO robot consists of a robotic arm capable of highly articulated movements to provide precise therapeutic treatment by applying compressed air, producing the desired effects on the patient's back. An Artificial Intelligence system with a 3D and a thermographic camera defines the positions of musculoskeletal knots and monitors its healing evolution in real time to determine the duration of each session and the number of required follow-up sessions. Thereby, after the physiotherapist corroborates the treatment at the first session, the robot can reproduce a treatment plan automatically. All data is securely stored in a distributed cloud system allowing full treatment track.

3. How did the idea come about?

The idea comes out of a physiotherapist with the aim to find automated ways to support him on his day-a-day work. The combination of their expertise in the field of physiotherapy and our technological know-how then created a several stages project where first the concept was validated, then tested in patients and, finally, redesigned adding some Artificial Intelligence features that make Adamo Robot unique.

4. Who are the core partners of the project?

To face all our challenges, we have built a fully complementary consortium, with FUTURE SENSE SL, led by a multidisciplinary team of experts (with 20+ years' experience each) to cover design and commercial areas and the extensive experience of KALPA srl in Artificial Intelligence software algorithms based on Neural Networks and cloud based systems, including mobile App creations meeting the most restrictive protocols to ensure data security in the very sensitive Health sector.

5. How did this collaboration between the partners arise?

KALPA showed up as a leading-edge actor in Artificial Intelligence all over Europe, then the Future Sense team contacted them and they were delighted to participate in Cross4Health.

6. How did you hear about the Cross4Health project?

We discovered Cross4Health through the web, we saw that it was perfectly fitting with our project and we decided to participate.

7. What is the current status of the project?

Currently we have already implemented the optimised version from a hardware, software and mechanical point of view and we are further developing our Artificial Intelligence algorithms to build an extremely smart device that can provide the best treatments for back pain.

8. What are the next steps?

The next steps are therefore upgrading our Artificial Intelligence algorithms and to promote our device while following the CE mark procedure to start taking our product to the market.

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

Cross4Health has been extremely positive for breaking the complex line between a prototyped idea and the market itself, being useful for both the technical update and optimisation of our device and for allowing us to internationalise and promote our equipment throughout all Europe, gaining visibility and making it attractive to our target markets.

10. Would you recommend Cross4Health to other companies?

Absolutely yes. Cross4Health represents a great opportunity to push projects and ideas with a certain maturity level to break the gap to take these to the market.