



So that our hearts never stop beating... CardioNexion in Provence

The @Health story...



Prevention is better than cure... This saying could be the slogan for the Provençal start-up @Health. This company, based in Gardanne, was created in April 2015 from a combined set of talents. They have developed a revolutionary connected system for preventing cardiovascular diseases. Indeed, four associates were able to bring together their special skills, including technological, medical, and entrepreneurial innovation, to create CardioNexion, a smart, connected medical device. Let's meet one of the founders of @Health, Pierre-Paul Goiffon.

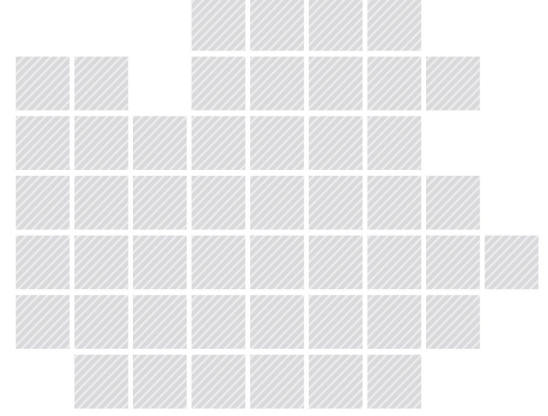
> CardioNexion a unique medical device

Pierre-Paul Goiffon: CardioNexion is a completely unique medical device. It is portable, permanent, and non-invasive. It allows you to produce, collect, monitor, and do pre-symptomatic analysis for electrocardiograms in order to get pre-diagnostics.

Currently there are "Holter" devices that work continuously for only 48 hours and record data without transmitting them. Soon patients with CardioNexion will be able to be monitored 24/7 and they (as well as their attending physician) will get an immediate warning about any cardiac anomalies. This project is considered innovative because it transmits cardiovascular data captured with sensors in real time, encrypts all data from their collection points, and stores all data with maximum security. The device uses our algorithm to analyze and process a constant flow of data transmitted via the cloud to a smartphone. Neuron-like servers from Nutanix have supported our project since its inception. If a cardiac anomaly is found, the results are transmitted directly to our medical platform where cardiologists evaluate the level of risk and decide on recommendations to send to the user and the attending physician. In conclusion, everything happens as if the patient was in a cardiovascular intensive care unit.

Thus, with CardioNexion, it will be much easier to prevent a stroke or heart attack, which are responsible for close to 30% of deaths throughout the world.





This great project would not have succeeded without the support of several associates: Jean-Michel Tarlet, cardiologist, who with David Coulon, an expert in microelectronic

technology and designing applications and systems, were able to create a new algorithm capable of detecting the symptoms of cardiovascular pathologies. Also, Jean-Pascal Peyret, who presides over @Health and supports its development, particularly by raising capital.

> Provence, a land full of potential for e-Health

Pierre-Paul Goiffon: We have decided to make our headquarters in Gardanne while keeping a second data center in Bordeaux to keep data secure. Provence is a particularly good place to develop microelectronic technology and provides the necessary elements to operate in this industry. The many prestigious universities in the region will allow us to recruit e-Health experts, for example. Also, cardiology in Marseille has had worldwide recognition for decades.

Additionally, we hope to rapidly integrate a training center within @Health, which will facilitate logistics, and we hope to develop our business not far from our data centers, in Provence.

Furthermore, our concept is made to be spread throughout the world and we want to go abroad through licensing partnerships, and Provence, thanks to its location, is particularly favorable to foreign business partnerships.

Also, we have received a warm reception in Provence, with Provence Promotion helping us receive a zero-interest loan for a maximum total of 40,000 euros, the Dispositif d'Amorçage de Provence, and they have been assisting us for a year and a half. The Public Investment Bank (BPI, from the French) also provided us with 150,000 euros in subsidies and the regional business office La Direccte also helped make our project a reality. All of this support is important for implementing this sort of project. These groups who, like us, believe in @Health and in this project's value to society will help us enter into a new era: the era of predictive medicine.

We are currently developing contacts with large health groups and the military, and we expect to create 40 jobs over three years. In the long term, we have plenty of ideas for how to grow, like extending the use of our device to preventing diabetes and detecting tumor markers.

To find out more: [@Health's website](#) (in French only)

