



# NEURONAUTE®

BioSerenity's mission is to provide doctors and patients with round-the-clock care. The care in question is based on the acquisition and analysis of electrophysiology tests such as EEGs (electroencephalograms), ECGs (electrocardiograms) and PSGs (polysomnography) performed using connected clothing that patients may wear at home over a long period of time. Data is uploaded to a secure hosting platform that doctors may access at any time.

Carnot ICM

## Scientific / technological breakthrough

Certain traditional mathematical models are not accurate or sensitive enough for complex multimodal recordings. Thanks to the BioSerenity / Carnot ICM (Paris Brain Institute) joint research lab, a system using artificial intelligence that will help doctors interpret patient signals is nearing completion.



## The competitive advantage for the economic stakeholders

BioSerenity's solutions can be used to inform clinical research protocols and facilitate early reading of the effectiveness of new drugs. They may also be used to track individualised care plans between the hospital and the home.

## Partnership

- BIO SERENITY**, was founded in 2014 within ICM. It is a French start-up that develops innovative medical solutions for monitoring, diagnosis and management of patients suffering from chronic illnesses based on expertise in performing remote electrophysiology testing. BioSerenity currently employs 650 people in France and the United States and has been selected as one of the French Government's Next 40 start-ups.