



# E-HEALTH IN NORMANDY

## NORMANDY - CONNECTED HEALTH

Normandy, considered as the cradle of Secure Electronic Transactions is home to the E-Secure Transactions cluster.

As a spearhead for high technology in Normandy, the cluster provides innovative solutions and develops skills and expertise in several fields related to daily life such as e-health and wearable medical devices.

Professionals from the health care sector and ICT companies are currently working with the cluster to develop collaborative and innovative projects in the following domains:

- ▲ Enabling seniors with age related dependencies or disabilities **to live independently at home**,
- ▲ **Tele-Health applications** in hospitals, retirement homes and clinics,
- ▲ Creation of a **professional network to experiment latest innovations**,
- ▲ **Health data safety and interoperability**.

## INNOVATION, RESEARCH & DEVELOPMENT

### ► PRIS

**(HEALTH RESEARCH & INNOVATION CENTER)** ([www.unicaen.fr](http://www.unicaen.fr))

A scientific infrastructure located in the teaching Hospital of Caen where companies can collaborate with different health research units of Caen Normandy University. Today, it hosts two R&D units: UMR S-1077 "neuropsychology and imaging of human memory" & UMR-S-1075 "COMETE Lab" involved in the cognitive processes studies for mobility, particularly for attention and orientation purposes.

One floor is dedicated to house companies involved in e-health applications.

### ► CIREVE ([www.unicaen.fr/cireve](http://www.unicaen.fr/cireve))

The interdisciplinary center of Virtual Reality is a technological platform of the University of Caen Normandy working on the promotion and support of the use of virtual reality in research.

### ► IRIB

**(INSTITUTE FOR RESEARCH AND INNOVATION IN BIOMEDICINE)** (<http://irib.univ-rouen.fr>)

The Institute for Research and Innovation in Biomedicine is a federative structure of research regrouping all the resources of biomedical research in Rouen-Normandie. The objective

of this Institute is to develop cutting edge biomedical research focused on understanding of disease physiopathology and development of new diagnostic and therapeutic tools resulting from the complementarity of clinicians, biologists and chemists of Rouen University.

### ► LITIS

([www.insa-rouen.fr/en/recherche/laboratoires/litis](http://www.insa-rouen.fr/en/recherche/laboratoires/litis))

IT Laboratory, Information, Processing and Systems. Multidisciplinary approach between practitioners and academics at the junction of computing, pattern recognition, signal processing and image of medicine and mathematics.

### ► GREYC LAB ([www.greyc.fr](http://www.greyc.fr))

Fundamental & applied research in digital science with specialization in image processing, machine learning, artificial intelligence, computer security, fundamental computer science, Web science and electronics.

### ► DATALAB NORMANDIE

(<https://www.datalab-normandie.fr>)

Data laboratory bringing together the ecosystem of players willing to experiment or use data through an exchange and sharing platform.

15 000

Jobs

2

Teaching Hospitals

60

hospitals

922

healthcare structures

3 200

researchers

**International expertise**  
on Chip, software, sensors  
& wearable medical devices

**A pilot house  
for experimentation** dedicated  
to elderly persons MDAP

**An open territory**  
for real new digital in situ  
experimentations with the public

### MAIN COMPANIES

Murata • NXP Semiconductors  
Evamed • Bodycap • Ophtimalia  
Elitt • Catel • Datexim • Access Man  
• AZNetwork • W2Net • Medgic  
Group • Eff'Innov Technologies  
Orange • Fostinno • 7medical •  
OmicX • Blinksight • EasyCare  
Soft Telemonitoring Services • V@si  
• Inreactive • Biosoftware  
Open mind Innovation • Robocath...

# TRAINING



## ▶ **NORMANDY UNIVERSITY** ([www.normandie-univ.fr](http://www.normandie-univ.fr))

2 050 research professors, 750 training programs, 70 000 students including 18 000 master students and 5 200 engineering students. A specific University degree on E-health.



## ▶ **ENSICAEN ENGINEERING SCHOOL** ([www.ensicaen.fr](http://www.ensicaen.fr))

780 students. 5 departments: Computer science - Electronics & applied physics - Material science & chemistry - Mechanical & material engineering - Industrial engineering.



## ▶ **ESITECH** ([www.esitech.univ-roen.fr](http://www.esitech.univ-roen.fr))

Engineering School for Innovative Technologies, trains general engineers with two possible majors: Physical Engineering and Biological Engineering.



## ▶ **INSA ROUEN** ([www.insa-roen.fr](http://www.insa-roen.fr))

Information Systems Design: The ASI Department of INSA has an objective to train engineers with technical capabilities in computer sciences, the information processing, and the electronics and physics field.



## ▶ **MTC MEDICAL TRAINING AND TESTING CENTER** ([www.mtc.chu-roen.fr](http://www.mtc.chu-roen.fr))

MTC Rouen Normandy provides a wide range of cutting edge medical techniques in optimal learning conditions.

# SERVICES & SUPPORTS



## ▶ **POLE TES** ([www.pole-tes.com](http://www.pole-tes.com))

This digital cluster aims to be the benchmark for innovation in high digital technology particularly in the field of health: integration of adapted digital solutions throughout the patient journey. IoT and medical devices; AI for diagnostic support, health data monitoring; digital transformation of healthcare institutions.



normand'e.santé

## ▶ **GCS NORMAND'E-SANTÉ** ([www.normand-esante.fr](http://www.normand-esante.fr))

A cooperative structure whose purpose is to associate all health professionals in the service of telemedicine and information system projects. Normand'e-santé facilitates and supports the implementation of e-health projects and services, while ensuring the interoperability and security of systems.



## ▶ **NORMAN HEALTHTECH NETWORK** ([www.healthtech.lafrenchtech.com](http://www.healthtech.lafrenchtech.com))

This thematic network federates the startups of the e-health, biotech and medtech sectors.

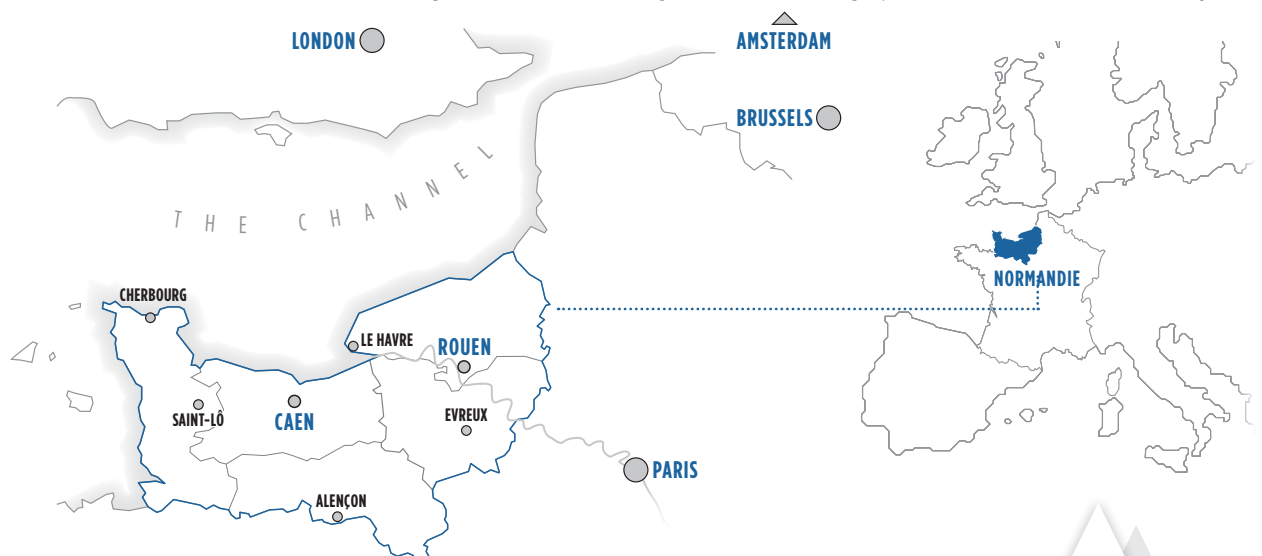
## ▶ **GERONTOPOLE NORMANDIE** ([www.gerontopole-normandie.fr](http://www.gerontopole-normandie.fr))

The GÉrontopole wishes to highlight and support innovative initiatives or devices. Its role is to enrich reflection by bringing a global and cross-cutting dimension in order to anticipate the future needs of seniors.



## ▶ **AD NORMANDIE** ([www.adnormandie.fr/en](http://www.adnormandie.fr/en))

The regional agency for economic development is the representative of Business France Invest in Normandy. AD Normandie extends a whole range of services to foreign investors setting up their businesses in Normandy.



## CONTACT

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