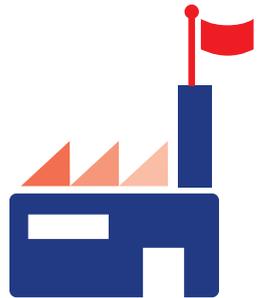




E-HEALTH:  
REVENUES OF MORE THAN  
**€2.8 BILLION**  
IN 2017

(SNITEM)

ACCESS TO A MARKET OF  
**67**  
MILLION CONSUMERS  
AND A GATEWAY TO EMEA MARKETS  
(INSEE)



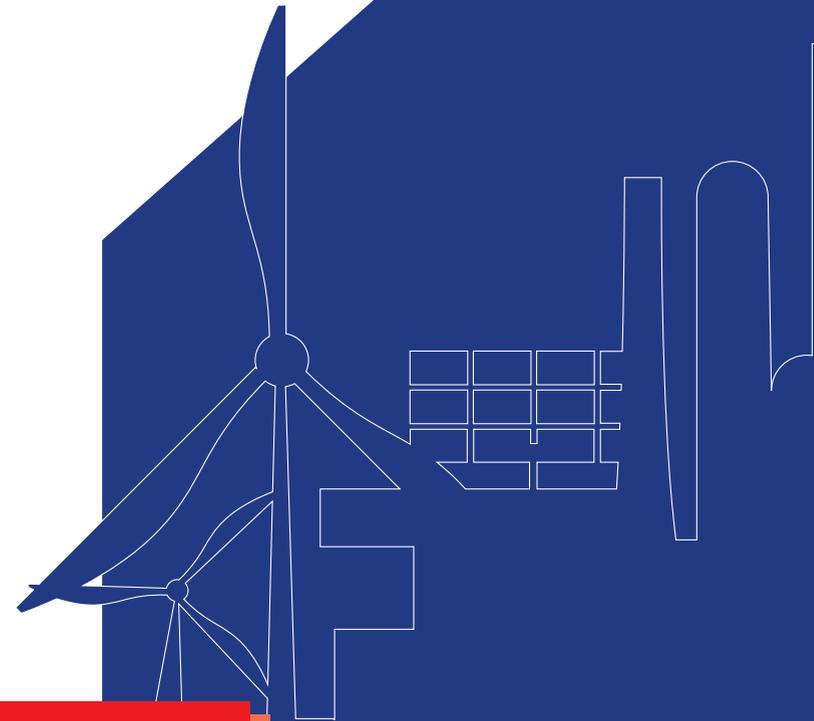
**#1**  
HOST COUNTRY FOR  
FOREIGN INVESTMENT  
PROJECTS

(EY)



**85,000**  
JOBS IN THE MEDICAL  
DEVICE SECTOR,  
WITH 50% IN SUBSIDIARIES  
OF FOREIGN COMPANIES

(SNITEM)



KEY INFO IN  
**10**  
POINTS

**MEDICAL  
DEVICES**

**HIGH-TECH INDUSTRIES**

APRIL 2019

**BUSINESS FRANCE**  
77, boulevard Saint-Jacques  
75680 Paris Cedex 14  
Tel. : +33 1 40 73 30 00



## 1 #2 IN EUROPE FOR MEDICAL DEVICES

France is ranked fourth in the world and second in Europe for medical devices and technologies (PIPAME, 2017). The medical device sector covers products and equipment in a wide range of fields, from syringes and in vitro diagnostics to MRI scanners.

## 2 1,343 MEDICAL DEVICE MANUFACTURERS

There are more than 1,340 companies in the French medical device sector, generating revenues of €28 billion, with €8 billion from exports. More than half of these businesses are SMEs. In total, nearly 85,000 people work in the industry in France, 50% of whom are employed by subsidiaries of foreign companies. (SNITEM, 2018)

## 3 A KEY PLAYER IN INNOVATION

More than half of businesses conduct R&D, while 13% are only active in R&D. Nearly one third of companies in the sector participate in collaborative projects. France is ranked fifth in the world for the filing of European and international patents in the medical device sector. (SNITEM, 2018)

## 4 A BUOYANT RESEARCH ENVIRONMENT

France boasts nine innovation clusters involved in medical technology R&D projects, and has a range of different structures to support the medical devices sector, including business clusters (Pôle des technologies médicales, Eurasanté, À l'Ouest des Dents), other clusters (I-Care), technology centers (Pôle technologique de Haute-Champagne) and associations (BioMedical Alliance).

## 5 FRENCH MEDICAL EXCELLENCE

France is known for its medical excellence, with examples including the world's first partial face transplant in 2005, a complete face and eyelid transplant in 2010, and the 3D laser-assisted bio-printing process from French company Poetis. In 2018, a team of doctors from Necker Hospital performed the world's first complete tracheal reconstruction using a tube graft on a 12-year-old child.

## 6 FRENCH INNOVATIONS

French neurosurgery robotics specialist Medtech, which was acquired by American company Zimmer Biomet in 2016, has made Rosa, one of only five robots in the world to be approved for use in operations. Meanwhile, French company Carmat is developing the most advanced artificial heart in the world for patients with severe biventricular heart failure.

## 7 INNOVATIVE STARTUPS

The French medical device industry has helped to raise the profile of many innovative startups, such as Urgotech, whose brain training solution for learning how to sleep properly received an innovation award at CES 2019, and Pixium Vision, which is developing a bionic vision system designed to help blind people see again. Frenchman and CEO of medical technology company Cardiologs, Yann Fleureau, was named one of MIT Technology Review's Innovators Under 35 Europe 2018 for developing an artificial intelligence (AI) platform that analyzes electrocardiograms (ECGs) from any device.

## 8 INTERNATIONAL KEY PLAYERS IN FRANCE

In 2017 and 2018, Business France identified 62 foreign investment projects in the medical device sector in France, which led to more than 1,150 jobs being created or maintained. In 2018, Taiwanese startup Diabnext, which offers connected tools for diabetic patients, opened a sales office and an R&D center in Ile de France (Paris region).

## 9 E-HEALTH / CONNECTED HEALTH MARKET

In 2017, the e-health market was worth more than €2.8 billion in France, with a third of revenues generated by startups. E-health covers the fields of information systems, telehealth and telemedicine. The Nouvelle Aquitaine region in southwest France has made e-health a priority in order to improve access to healthcare, with the region accounting for 45% of total revenues in France. (SNITEM, 2018)

## 10 2.5 MILLION PATIENTS USE TELEMEDICINE

As part of the Social Security Financing Act of 2018 (LFSS), telemedicine is now covered by the French social security system. This move should lead to more health professionals using and promoting it across France. MédecinDirect, Hellocare, and H4D are all French telemedicine solutions. (France Biotech, 2018)