

ARTIFICIAL INTELLIGENCE

KEY INFO IN

10

POINTS

1

▶ A HIGH-POTENTIAL MARKET FOR BUSINESSES

According to a survey by Accenture, artificial intelligence (AI) offers huge scope for growth. Companies that succeed in harnessing its potential could improve their profitability by an average of 38% by 2035. (Accenture, 2017)

2

▶ A VIBRANT RESEARCH ENVIRONMENT

France boasts a vibrant AI research environment that is highly attractive to foreign companies. The CNRS, Paris Saclay University and the INRIA are the most frequently cited European organizations in research articles on AI (The Nikkei & Elsevier), while France is the leading country in Europe in terms of the number of AI patents filed between 2011 and 2016. (OEB, 2017)

3

▶ RENOWNED EXCELLENCE

In 2018, a succession of foreign investments in AI were announced in France. Facebook is set to double the number of people working at its Parisian research laboratory by 2022, while Samsung and Google will both be setting up a new research center in the French capital. Fujitsu is once again investing in its Paris-Saclay site to place it at the heart of the firm's AI strategy in Europe, and IBM plans to recruit 400 experts in France over the next two years.

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▶ PROMISING STARTUPS

By the end of March 2018, 271 startups were known to be active within France's AI ecosystem (France is AI). In 2017, US\$141 million was invested in French startups that focus primarily on AI (CB Insights). Startups whose fundraising campaigns have been among the most successful include: Algolia (€74 million), Sophia Genetics (€58m), Shift Technology (€39m) and Prophesee (formerly Chronocam) (€16.3m).

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▶ SNIPS, A PIONEER OF AI

Founded in 2013, Snips is a Parisian startup that develops algorithms that make connected devices autonomous, e.g. by equipping them with a voice assistance function. Thanks to technology that is integrated into the device and requires no server, the startup ensures the confidentiality of user data. The Snips Airdays is expected to hit the market in 2018.

6

▶ PYRÈNE, THE FIRST HOME IMPROVEMENT ROBOT

Designed by the Systems Analysis and Architecture Laboratory (LAAS) of the French National Center for Scientific Research (CNRS), Pyrène is the first humanoid robot in the world with the ability to use tools. At 100kg and 1.75m high, this French home improvement robot is able to perform more than 30 independent movements thanks to its various joints. It can also carry loads of up to 12kg (6kg per arm).

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▶ AI: COMING SOON TO YOUR HOME

Specializing in the development of connected devices for the home, France's Netatmo now runs the "with Netatmo" program. The aim? To place its AI skills at the disposal of industrial partners (Legrand, Velux, Muller), so as to incorporate its connected solutions into home infrastructures.

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▶ SMART MACHINES

In 2017, France was second in Europe for deep tech funding: US\$509 million, compared with US\$1.801 billion in the United Kingdom and US\$400 million in Germany (Dealroom). Based on data model learning, deep learning and machine learning lie at the heart of the development of a variety of technical advances such as self-driving vehicles and voice assistants.

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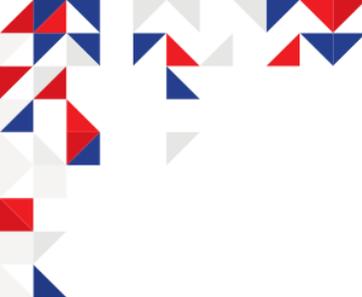
▶ A GROWING NUMBER OF TRAINING PROGRAMS

In 2018, French engineering schools and universities offered more than 80 higher-education programs devoted to AI (L'Étudiant). In early March, US giant Microsoft inaugurated its AI school in Issy-les-Moulineaux in partnership with digital training provider Simplon. Paris is the second-ranked AI talent hub in Europe. (LinkedIn, 2017)

10

▶ AN AI TRADE SHOW

The French capital will be hosting the AI Paris 2018 conference & expo at the Cité de la Mode et du Design. The purpose of the event is to bring together organizations from across France's AI ecosystem and provide a full overview of the sector's opportunities, prospects and technologies.

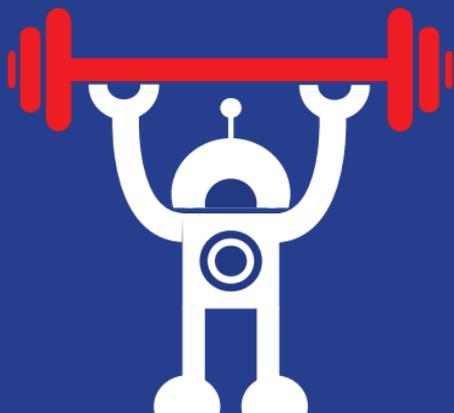


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MORE THAN
US\$3 billion
IN VENTURE CAPITAL
RAISED BY STARTUPS
IN FRANCE IN 2017

(CB INSIGHTS, 2018)



#1

**IN EUROPE FOR THE NUMBER
OF AI PATENTS FILED
BETWEEN 2011 AND 2016**

(OEB, 2017)



#1

**COUNTRY IN EUROPE
FOR THE NUMBER OF
HIGH-GROWTH COMPANIES
IN THE TECHNOLOGY SECTOR**

(FT 1000: EUROPE'S FASTEST GROWING COMPANIES, 2018)

FRANCE WAS



**IN EUROPE
FOR DEEP TECH FUNDING
IN 2017**

(DEALROOM.COM)