BUSINESSFRANCE

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ARTIFICIAL INTELLIGENCE IN FRANCE

KEY INFO IN
10
POINTS

TECH & STARTUPS

1 STRONG GROWTH POTENTIAL

According to Accenture, artificial intelligence (AI) has a strong growth potential for countries that are banking on its development: it could double France's growth by 2035 and generate an additional US$589 million in value added. (Accenture, 2018)

2 AN ACTIVE RESEARCH ENVIRONMENT

France offers an active research environment for AI, which attracts international companies, with 68 research laboratories active in AI in France (France is AI). As part of the national strategy for AI, four interdisciplinary AI institutes were created in early 2019 in Grenoble (MIAI @ Grenoble-Alpes), Nice (3IA Côte d'Azur), Paris (PRIARIE) and Toulouse (ANITI). Paris-Saclay University, Inria and Sorbonne University were 1st, 2nd and 4th respectively in Europe in terms of scientific publications on AI between 2013 and 2017. (The Nikkei & Elsevier, 2019)

3 RECOGNIZED EXCELLENCE

In 2018, there was announcement after announcement concerning foreign investment in AI in France. Facebook will double its number of staff at its Paris research laboratory by 2022; Samsung and Google will each establish a new research center in the French capital; Fujitsu will strengthen its Paris-Saclay site to make it the center of its AI strategy for Europe; and IBM will recruit 400 experts in France by 2020. What's more, C3, the Californian unicorn for predictive

4 PROMISING STARTUPS

At the beginning of 2019, nearly 340 startups were registered within the French AI ecosystem (France is AI). In 2018, €376 million was invested in startups in this sector in France (+ 40% compared with 2017) (Cap Gemini). Among the startups that generated major fundraising in 2018 were Dataiku (US$101 million), ContentSquare (US$42 million) and Braincube (US$14 million). In early 2019, Shift Technology raised €53m and ContentSquare raised another US$60m.

5 DEEPOMATIC: IMAGE RECOGNITION FOR COMPANIES

Founded in 2014, Deepomatic offers an artificial intelligence platform to build visual recognition systems applied to industrial projects as diverse as catering, car park management, waste sorting and fashion. Its US$6.2 million fundraising round in early 2019 will support its international expansion, including the opening of a sales office in New York.

6 AI AND SCHOOL SUCCESS

Founded in 2017, EvidenceB kidscode is a startup that develops modules that identify a recognized pedagogical difficulty (mental arithmetic, fractions, sentence correction, etc.). Thanks to the cognitive science of the child's brain, the module offers tailor-made activities and a test to assess how much the child has learnt through the use of chatbots, 3D games and robots.

7 INTELLIGENT MACHINES

France is Europe's second leading country to finance Deep Tech in 2018: US$912 million (+79% in one year), compared with US$1,752 million in the United Kingdom and US$618 million in Switzerland (Dealroom). Based on learning data models, deep learning and machine learning are at the heart of many technical feats such as automatic driving and voice assistants.

8 PRAISE FOR FRENCHMAN YANN LECUN

In March 2019, French artificial intelligence pioneer Yann Lecun was awarded the US$1 million Turing Prize along with his counterparts Yoshua Bengio and Geoffrey Hinton for their work that led to the development of machine learning methods, called deep learning or deep neural networks. Yann LeCun is Scientific Director of Research on Artificial Intelligence at Facebook and Professor at New York University.
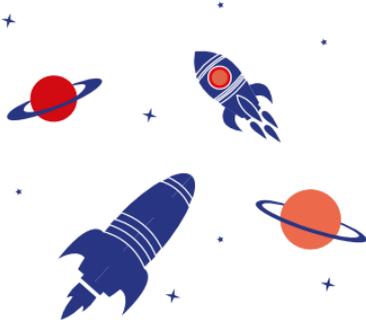
9 AN INCREASING NUMBER OF COURSES

There are around 120 institutions (engineering schools and universities) offering training in AI. Microsoft has announced the expansion of the free artificial intelligence school that the company had created in partnership with Simplon in 2018, with the number of classes increasing from one to ten per year.

10 AI AND ITS SUPERCOMPUTER

The 'Jean Zay' is a computer with a computing power of 14 petaflops (millions of billions of operations per second), which is set to be installed in the first half of 2019 within the IDRIS, the national computing center for the French National Centre for Scientific Research (CNRS), in Paris. It will double the computing power available in France and will take the traditional use of high performance computing to new levels for AI.
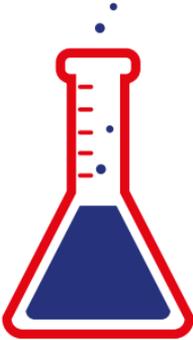
10,000
STARTUPS IN FRANCE

(EY)

#2
**EUROPEAN COUNTRY
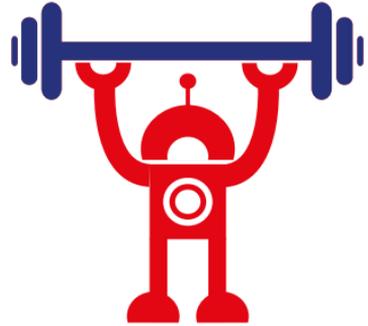FOR FINANCING DEEP TECH
IN 2018: US$912 MILLION**

(DEALROOM)

68
**ACTIVE RESEARCH
LABORATORIES
IN FRANCE**

(FRANCE IS AI)

€3.6 billion
**RAISED BY FRENCH
STARTUPS IN 2018**

(EY)