Artificial intelligence

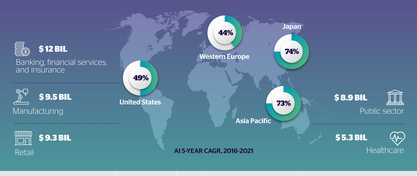
Allow machines to accomplish tasks humans execute with intelligence
Mc Carthy & Minsky

3 Key Factors

- Everything is a connected device producing **Data**
- Structured and unstructured data are unified as **Knowledge**
- **Machine Learning** is affordable with today's computing power

Some figures

$ 45.000.000.000
Projected AI spend by industry, 2021

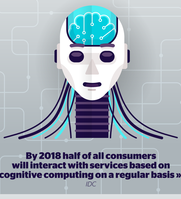


AI 5-YEAR CAGR, 2016-2021

Smart Machine markets are already big and will be huge
Gartner Oct 2015

Mainstream adoption by 2020
Gartner

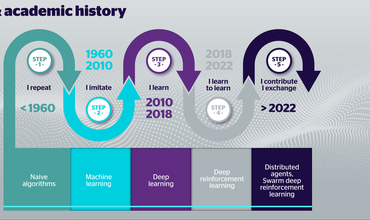
50%
of all business analytics software will include prescriptive analytics build on cognitive computing functionality (by 2020).
IDC



40%
of new enterprise applications implemented by service providers will include smart machine technologies (by 2021).
Gartner

By 2018 half of all consumers will interact with services based on cognitive computing on a regular basis »
IDC

AI & academic history



AI shakes the whole economy

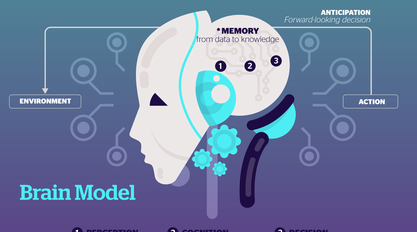
#1
Human-centric industries
Financial services
Retail
Healthcare
...

Business efficiency
Consumer satisfaction
Usage model adoption

#2
Asset-intensive industries
Manufacturing
Energy & utility
Transport
...

to new business model

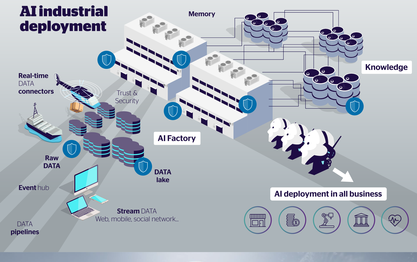
From Artificial Intelligence to Machine Intelligence



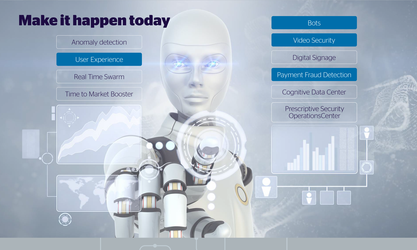
Brain Model

1. **PERCEPTION**
   - Sensor Processing
   - Image Processing
   - Speech recognition
   - Text Processing
2. **COGNITION**
   Acquiring knowledge and understanding through perception, experience and thought
3. **DECISION**
   Resolution, conclusion reached after cognition

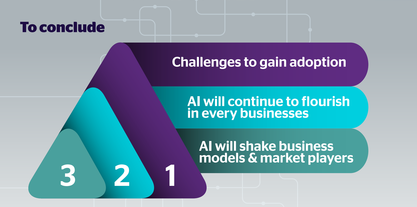
AI industrial deployment



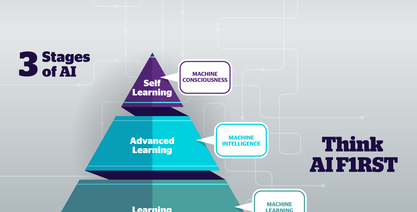
Make it happen today



To conclude



3 Stages of AI



Think AI FIRST

Worldline