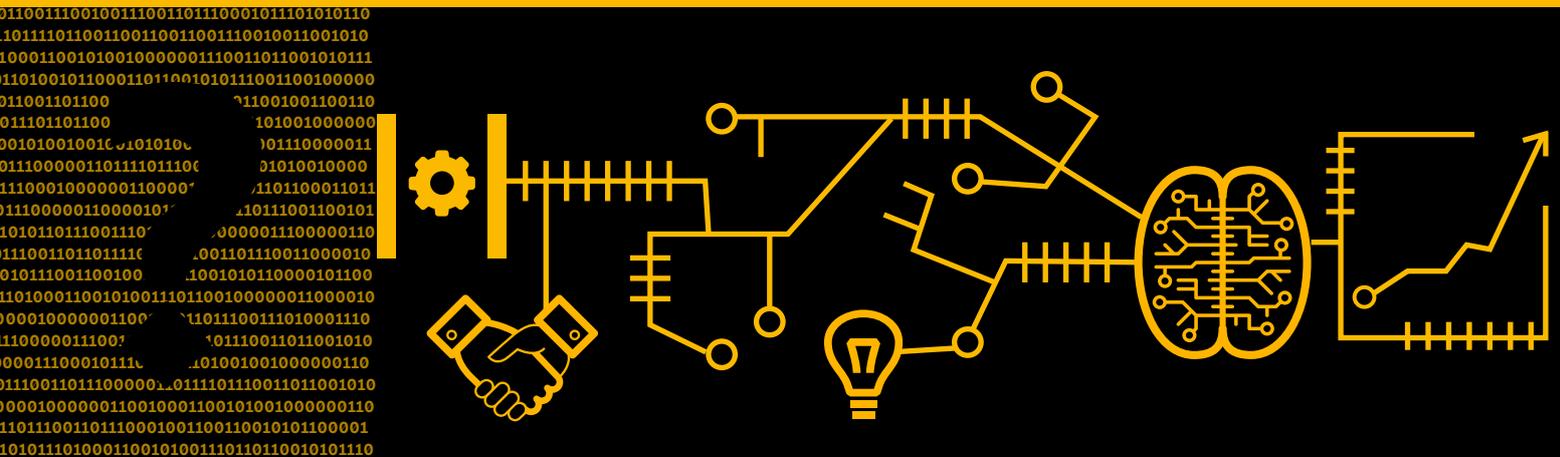


Developing competitiveness through artificial intelligence



Artificial intelligence (AI) uses data to automate repetitive tasks, facilitate diagnostics, make predictions, provide recommendations, assist in decision making, and detect anomalies. Many companies have data and would like to use AI to optimize their performance and the costs of their solutions, or to offer personalized services to their customers.

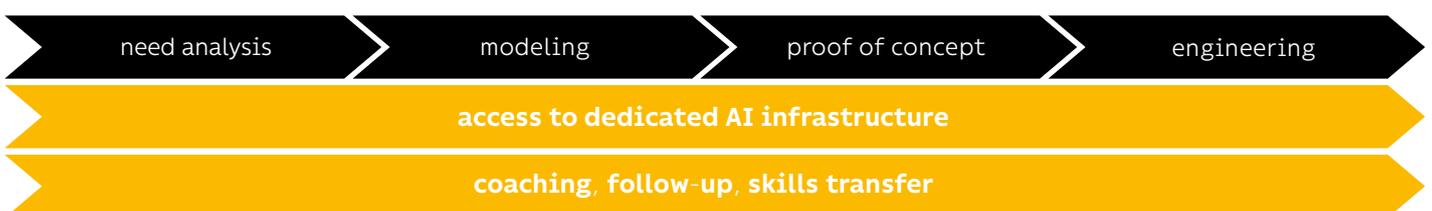
{service} :

The **b<>com *Boost AI*** service offers personalized support to companies by designing studies and developing proofs of concept adapted to their needs. It uses cutting-edge AI technology.

{benefits} :

- ◆ The company's teams become more skilled in AI technology
- ◆ Stand apart from the competition with smarter systems
- ◆ Increase revenue by optimizing business processes

{workflow} :



{scientific expertise} :

◆ Applied mathematics

- Numerical analysis
- Parametric statistics
- Automatic control

◆ Statistical learning

- Machine learning (Random Forest, SVM)
- Deep learning (RNN, CNN, LSTM)

{applications} :

◆ Industries

- Culture & Creation
- Digital Infrastructure
- Health
- Defence
- Industry 4.0

◆ Uses

- Image and video processing
- Computer vision
- Signal processing
- Natural language processing
- Data processing

◆ Types of needs

- Estimates
- Grouping, classification
- Prediction, Time series
- Optimal control

{tools} :

b<>com *Boost AI* relies on a private cloud based on state-of-the-art hardware and software architectures.

◆ Hardware

The infrastructure is sized to host hundreds of terabytes of data and provide processing capabilities on different types of processors (CPU, GPU).

◆ Software

The platform allows the on-demand instantiation of the data processing pipeline based on state-of-the-art statistical learning libraries such as Spark, TensorFlow, PyTorch, and Scikit-Learn.

◆ Security

The confidentiality of each project with the involved data is ensured by authenticating and authorizing users and by isolating the runtime environments.

{about b com} :

A technology pioneer and provider for companies that want to digitally boost their competitive edge, b<>com addresses several industries: culture & creation, digital infrastructures, health, defence and industry 4.0. Its laboratories bring together talented people from a variety of disciplines and cultures in areas like artificial intelligence, immersive video and audio, content protection, 5G networks, the Internet of Things, and cognitive technologies.

b<>com's researchers and engineers, drawn from the ranks of industry and academia, work at its Rennes campus and at its sites in Paris, Brest, and Lannion.

Thanks to its world-class engineering team, its technology platforms and its unique mix of scientific and industrial knowhow, b<>com offers its clients technology solutions that give them invaluable competitive edge.