



Industrial **Artificial Intelligence**

Streamline your business operations with AI and machine learning

4soft is an IT consultancy specialized in Artificial Intelligence, machine learning, and blockchain technologies. We help business leaders across different industries to take advantage of innovative solutions to address business problems, achieve key objectives faster, and outperform their competitors.

10

YEARS AT THE MARKET

90+

EMPLOYEES

6

YEARS OF EXPERIENCE IN
BLOCKCHAIN

30+

REALIZED BLOCKCHAIN
PROJECTS

4

YEARS OF EXPERIENCE IN
ML / AI

10+

REALIZED ML/AI
PROJECTS

Take advantage of **innovative technologies**



Over the years of working on technically advanced projects, we learned that every business has unique needs. To address these requirements, we developed a process for delivering customised solutions that lead to increased efficiency, security, and transparency in business operations.

Our experts have a deep understanding of the latest high-tech approaches and technologies (AI, machine learning, deep learning).

We prioritize security in all our projects, using the latest industry standards and best practices to ensure the integrity and confidentiality of your data.

4soft is a one-stop shop for software development with a proven track record and a portfolio of successful projects that showcase our expertise in AI.

How can AI help **your business**?

More than half of the European manufacturers (51%) are implementing AI solutions, with Japan (30%) and the US (28%) following in second and third.

The most popular AI use cases in manufacturing are improving maintenance (29% of manufacturing AI use cases) and quality (27%).

Source: Capgemini, Scaling AI in Manufacturing Operations: A Practitioners' Perspective
[Learn more >](#)

DON'T STAY BEHIND

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Source: KPMG
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How can AI help **your business**?

Predictive analysis for production process optimization

Machine learning can be used to improve managerial decisions by building predictive models based on historical data. You can use predictive analysis to plan purchases, stocking, and production while keeping inventory as low as possible without risking downtime.

Employ AI to optimize every aspect of your production processes:

- Automate process control using reinforcement learning (e.g., control of heating boilers in electrical power and heating plants)
- Plan production and manage inventory using predictive models,
- New possibilities of robotization (e.g., pick & place solutions in packaging centres),
- Better access to information thanks to NLP solutions,
- Analyze the ongoing processes and identify the so-called bottlenecks, i.e. areas where unnecessary, ineffective activities are carried out.

How can AI help **your business**?

Supply chain management

Processing data on the state of raw materials and products allows for better management of supply chains. Cost modeling is also possible for enhanced production and logistics.

Predictive maintenance

AI opens the door to efficient response to anomalies. Thanks to machine learning, the system gains the ability to identify those internal and external factors that affect the operation of machines. Automatic scaling of device parameters and predictive maintenance mean significant savings.

Plants that rely on machine learning get precise and automatic anomaly detection. This opens the door to better quality control solutions.

Algorithms that analyze data from devices and machines can inform teams in advance about potential issues and predict what may take place in the near future. That way, all kinds of damages can be detected automatically, without taking the machine apart.



How can AI help **your business**?

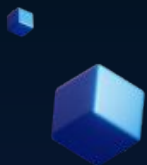
Demand forecasting

Artificial intelligence allows for better planning of the entire production process, especially when it comes to forecasted demand, seasonal shutdowns, volatility employment, planned sales and returns. And yet, improved supply chains and production volumes are in many cases almost a ready-made recipe for success.

Raw material price forecasting

Raw material price volatility has always been a challenge for manufacturers. To remain competitive in the market, businesses must adapt to the volatile price of raw materials. AI-powered software can forecast material prices more accurately than humans.





How can AI help **your business**?

Quality control

Maintaining the desired level of quality in a service or product is the core of quality assurance. Assembly lines are networks that are data-driven, interconnected, and self-sufficient. They operate on a set of parameters and algorithms that provide guidelines for producing the best end-products possible. Since most defects are visible, AI systems can detect differences from expected outputs using machine vision technology. When an end-product is of lower quality than expected, AI systems notify users so that they can react and make changes.

Inventory management

Machine learning solutions ace demand forecasting and supply planning. That's why they can dramatically improve inventory planning. AI-powered demand forecasting tools outperform traditional demand forecasting methods (ARIMA, exponential smoothing, etc.) used by engineers in manufacturing facilities. These tools enable businesses to better manage inventory levels, reducing the likelihood of cash-in-stock and out-of-stock scenarios.

PoC projects developed for a **customer in the industrial sector** (anonymized)

1

Laser diode monitoring for predicting the most likely replacement date

2

Production line flow monitoring for optimizing bottlenecks

3

Backtracking of emergency events

4

Optimization of the working time of machines that are waiting for material to be processed

5

Anticipation of demand from the warehouse - the ML-based solution calculates how long it takes on average to transport and prepare glass panels that are to enter the lines

What they say **about us**

ELLIPTIC

What impresses me most about 4soft is their adaptability to our business. They provide both top-quality code and valuable blockchain business insights.

I'd recommend 4soft to anyone who needs both proactive tech specialists and business expertise for their project.

Łukasz Kujawa

Engineering Director at Elliptic

COLONY

The collaboration with 4soft enabled us to successfully launch a DeFi platform in just three months.. The initial workshops helped us avoid some potentially costly mistakes. Their specialists are reliable, and their top management oversees the partnership. Overall, the entire Colony team was pleased to work with 4soft hand in hand.

Elie LE REST

CEO at Colony

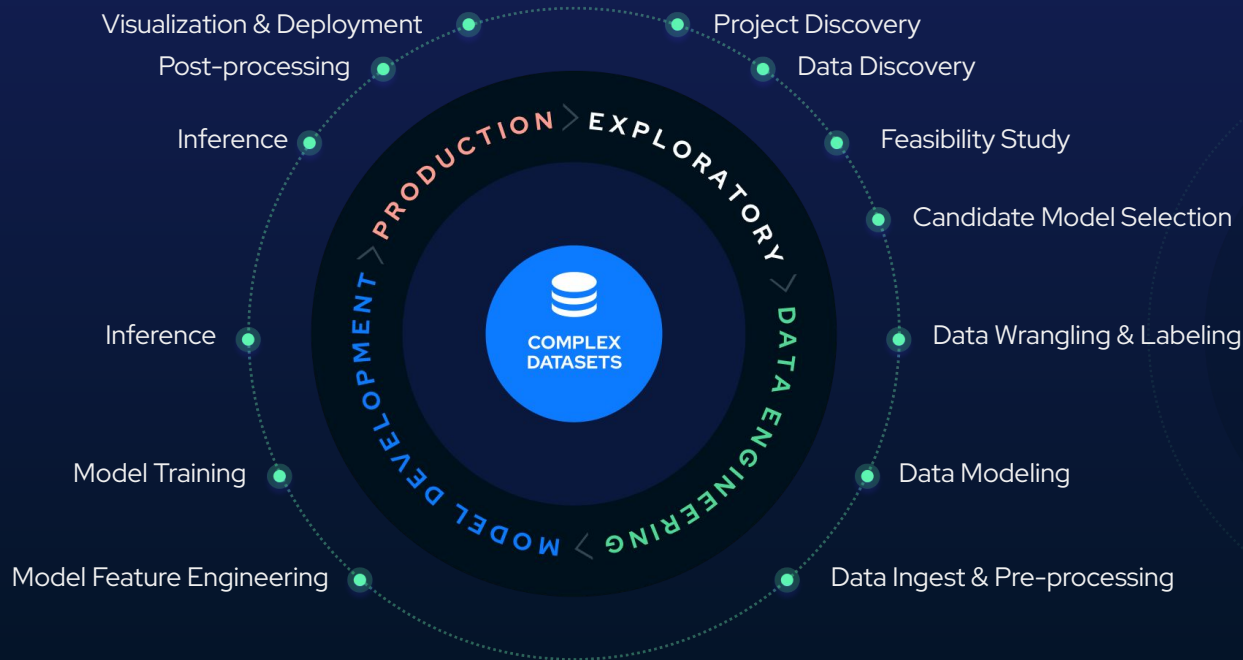


We are impressed with 4soft's work pace and experience. They act quickly and contribute significant blockchain market context that comes from their past projects, combined with expertise from other software development areas. So happy to have come across them.

Wilson Davis

CEO at Paribus

Machine Learning Lifecycle



Contact Us

We look forward to hearing more **about your project.**



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