DataArt

Reduce Downtime with AI-Powered Predictive Maintenance Solution

Major Equipment Maintenance Challenges

Unplanned Downtime

Unexpected factors can disrupt production, increase repair costs, or create service gaps.

Human Error during Maintenance

Non-routine activities can cause various hazards and risks.

Risk of Overmaintenance

Equipment may be serviced more frequently than it's required, leading to wasted time and resources.

Resource Commitment

Dedicated maintenance personnel should be constantly trained and qualified. This approach is not scalable for extending operations to other facilities.

Predictive maintenance in reports:

- Up to 50% downtime reduction
- Up to 40% maintenance cost reduction
- Up to 25% productivity increase
- Up to 20% quality improvement
- Up to 20% equipment lifetime increase
- Up to 6% ROI increase

From Reactive to Proactive Maintenance

Obtaining large data sets

Cleansing and preparing data for further analysis

Feature engineering and obtaining further insights from mechanical engineering

Creating a predictive maintenance system with a robust reproducible machine learning exploration workflow
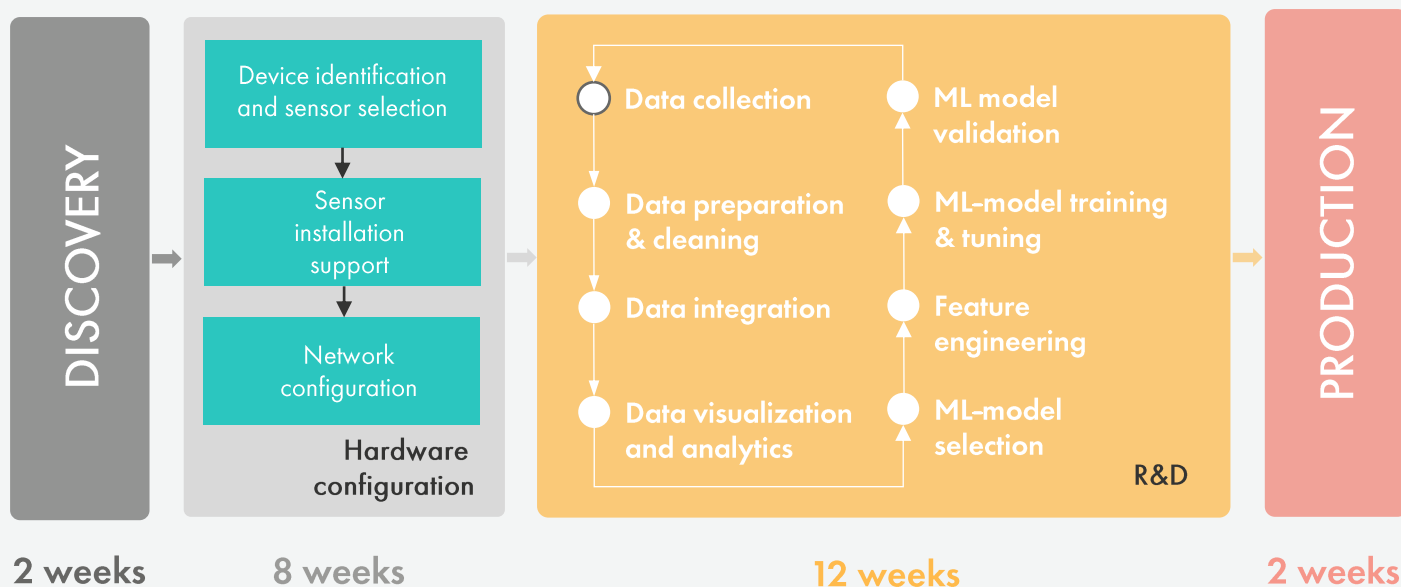
Rollout and make it work as a process of small steps of constant improvements

Partnerships & Technologies

aws   Google Cloud   Microsoft Solutions Partner   snowflake   databricks   Fivetran   ataccama   matillion

![DataArt]

Minimum Viable Solution in 6 Months

DISCOVERY

Hardware configuration
- Device identification and sensor selection
- Sensor installation support
- Network configuration

R&D
- Data collection
- Data preparation & cleaning
- Data integration
- Data visualization and analytics
- ML model validation
- ML–model training & tuning
- Feature engineering
- ML–model selection

PRODUCTION

2 weeks   **8 weeks**   **12 weeks**   **2 weeks**

Why Us?

Full Range of Services

DataArt is a global service-providing company with end-to-end services in software design, development, and further support & maintenance.

Manufacturing Expertise

Relevant expertise in developing solutions for automotive and manufacturing sectors.

Technological Expertise

Large resources pool of 5,000+ employees to quickly launch a project and cover all required technologies as Mobile, Web, Clouds, Data Management & Analytics, IoT Integrations, etc.

Reliable Partner

We are partner for progress since 1997 for our clients on EU, US, and UK markets, sharing risks and achieving success together while gaining 95% of our clients return.

TRUSTED BY 400+ LEADING CLIENTS

MHS ABOVE + BEYOND   STRUCINSPECT   Hive   ocado TECHNOLOGY   3M Science. Applied to Life.™

Our Global Delivery Model

30+ Global Locations

- USA
- United Kingdom
- UAE
- Eastern Europe
- Latin America
- India

5,000+ Consultants and Engineers

Map locations: Latvia, Kazakhstan, Ukraine, Poland, Germany, United Kingdom, USA, Mexico, Portugal, Spain, Colombia, Georgia, Armenia, UAE, Romania, Cyprus, India, Brazil, Switzerland, Argentina, Serbia, Bulgaria, Uruguay