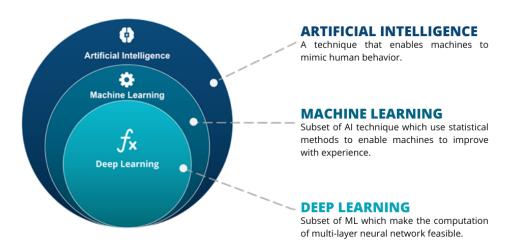




ARTIFICIAL INTELLIGENCE (AI)

Advanced analytics with help of AI enables us to thrive towards business automation, especially decision-making process. With help of AI we can make fast decisions and future predictions base on comprehensive analysis of complex data.

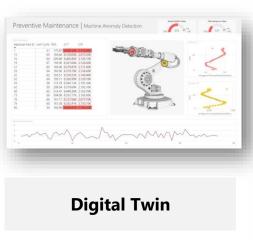


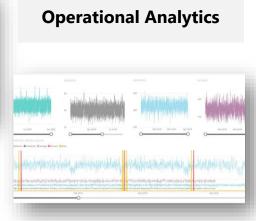
Why customers use AI?

- · To analyze big amount of complex data
- Better understand costumers & internal processes
- Thrive towards business automation
- Can make future predictions with different scenarios

All powered by ML and DL techniques teaches computers to do what comes naturally to humans – LEARN BY EXAMPLE and PREDICTS FUTURE EVENTS based on past experiences and influential factors.

We at ADD are developing our AI expertise throughout Advanced cloud analytics projects since 2016. Our data science team focuses on developing advanced solutions to properly analyse Big data that customers receive from increasing number of data sources (sensors, devices, video/audio, networks, log files, transactional applications, web and social media, etc...). Some examples bellow:







Assets Health



Industry best cases

Cross-Industry

Creating machine learning models relevant for each industry.

Extract knowledge from texts - NLP - correlations, opportunities...

Time series analysis - predict different short/long term series...

Churn Analysis - evaluation of a company's customer loss rate

Engagement Analysis - asses different type of usage of your product, web site, web store...

Media, Social Analytics - sentiment analysis (neutral, positive, negative)



Manufacturing

With more and more digitalized production companies the need to properly address all data they own is growing.

Predictive maintenance – when maintenance activities should be executed to prevent machine failures

Predictive scrap – how to prevent or minimize the scrap

Digital twin – make analysis & what-if scenarios base on real-time digital counterpart of real production

Quality Control - Computer Vision, Sensorics, Automatic tests

Retail/ Wholesale/ Omni channel

Understanding customer behavior is the outmost important for Omni channel to be able to anticipate demand, plan logistic & stock levels.

Basket and POS analytics – what sells together

Customer / Supplier Analytics - 360° view on customer / supplier

User segmentation clustering – Dynamic clustering and personalized offering

Price elasticity – Price forward curve

Demand elasticity – Demand forward curve

Power & Utilities

We help power generators, distributors, traders, and suppliers to learn from the past to predict the future.

Load & Price Forecast

Load Analysis

- ✓ Bad Data Detection
- ✓ Non-technical Loss Detection
- ✓ Load Profiling

Load Forecasting

- ✓ General Forecasting
- ✓ Probabilistic Forecasting
- ✓ Forecasting with Individual Meters

Load Management

- ✓ Customer Segmentation
- ✓ Customer Characterization
- ✓ Demand Response Implementation

Smart Grid Optimization (BD & AI scenario)

Control Voltage and Power Quality (Preventive Action)

- ✓ Voltage Measurements
- Quality Calculation (SIST EN 50160)
- ✓ Detect Problematic Grid Areas
- ✓ Correlate Errors & Events
- ✓ Relate to Workers Activity
- ✓ Workers Efficiency
- ✓ Predict Event
- ✓ Prescribe Actions

Control Consumption Readings (Revenue Assurance)

Technical & Non-technical Loses (Losses Prevention)

✓ Detect Fraud (Front opened)

