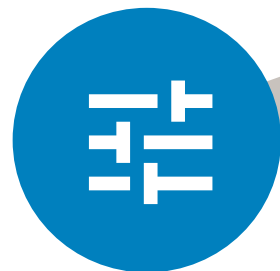# Road to autonomy: AI-based optimization

The AI software d.OEEbooster supports preventive optimization of production based on continuous monitoring and automated detection of the causes of failures using high-resolution machine data.

Machine learning

Challenge

The success of each measure taken must be precisely documented. The machine learning system accelerates and optimizes the process of finding solutions to future problems.

Support by d.OEEbooster

- Continuous production monitoring checks the success of individual measures
- Simple, paperless documentation and retrieval of all changes and interventions in the shift report

Autonomy

Instructions for technicians

Challenge

To ensure a successful outcome, the technician needs a complete understanding of the causes of the problems and clear recommendations.

Support by d.OEEbooster

- Clear recommendations
- Clear and concise instructions
- Step-by-step guide

Optimal machine settings

Challenge

After being adjusted by an experienced technician, all the machines in a production line run optimally. The challenge is to maintain this condition over the long term.

Support by d.OEEbooster

- Suggestions for individual preventive measures
- Clear recommendations for maintaining a stable machine condition

Constant monitoring

Challenge

To optimize production in the long term, it is vital to identify indicators of potential problems so that preventive measures can be implemented in good time and before difficulties arise.

Support by d.OEEbooster

- Constant monitoring of the machine behaviour
- Automated recognition of causes through the use of high-resolution machine data
- Findings displayed in the report

Impressive results

Rod breaks reduced by 50%

Internal stops reduced by 40%

Rolling block jams reduced by 60%

Waste reduced by an average of 0.4%

Total microstopps reduced