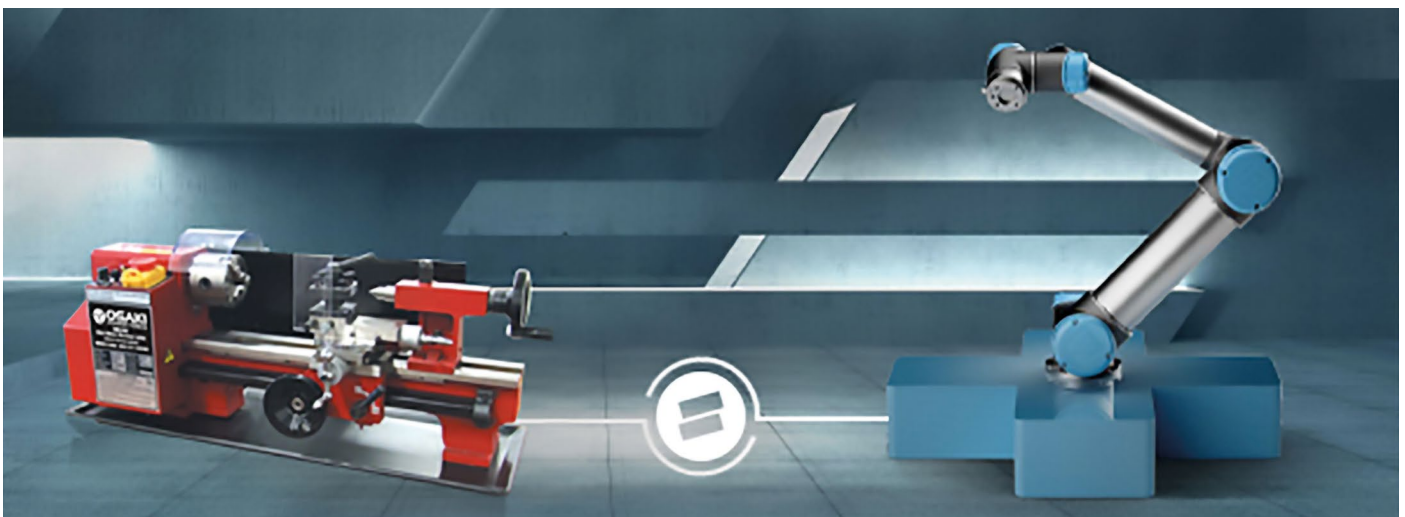# LOTYLDA
## platform for collecting, storing and analyzing big volumes of data

## WHO IS **LOTYLDA** INTENDED FOR?
Users in machinery production who are known for their emphasis on high quality, stability of the final production as well as on the entire production process and machine maintenance.

## WHAT IS **LOTYLDA** AND WHAT ARE ITS USES?
• a complex, universal BI platform without the need for a customer IT infrastructure that has no problems with big volumes of data (video, sounds, vibrations, sensors)
• powerful analysis tool used for reports, dashboards, What If, predictions, budgets, scorecard, KPI, OEE etc.
• TB data processing in real time
• simulation, prediction, object recognition using convolutional neural networks
• datamining - search for dependencies and patterns
• vibration, sound and video analysis
• scanning and writing data from / to PLC by OPC UA or Modbus protocol
• validation of production processes, support and optimization of maintenance planning



## PRODUCTION MODULES
### PMM (Production Management and Monitoring)
• provides up-to-date information, the production phases and possible risks
• manages operator qualifications, monitors and plans machine maintenance, manages machines placement on the line, supports data collection
• categorises information about products from machines and EOLT

### PMM Terminal
is designed for touch production terminals, to visualize information important to operators and in the cases of re-entering the data from the production process from other participants such as warehouse workers, tool setters, maintenance workers

### PMM Sensors
module measures, collects and evaluates sensor data from machines, workplaces / control systems from OptiSolutions sensors or other third-party sensors

### PMM LCD
visualizes the state of the production on LCD panels located in production halls. It informs operators, warehouse workers, maintenance and production management about the production phase

# LOTYLDA
...for smart decision

www.lotylda.cz