

# LOTYLDA PMM

## Production and Maintenance Monitor

### PMM DESCRIPTION

PMM application **manages and monitors human resources and machines and maintenance within the production area.** It enables to effectively manage qualifications of operators, to monitor production line effectiveness and classify possible defects precisely as well as to classify ideal troubleshooting with the production machines. It also identifies sensory data collection. Due to a close connection to LotylDA BI it facilitates precise information about the current procedures in production as well as the possible risk to the production and the maintenance.

### USES OF PMM

#### PRODUCTION :

- management and monitoring of operators, identification of operators, production lines and non-production processes
- production plans and stoppage analysis
- EOLT management, indicators measured by individual products
- identification of possible defects for NOK analysis

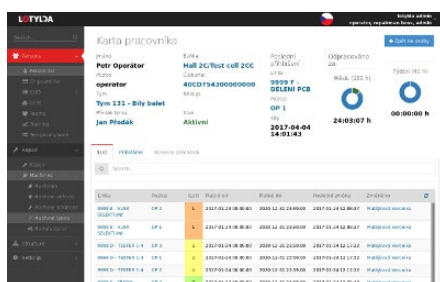
#### MAINTENANCE:

- maintenance monitoring and planning
- machinery and its defects vs troubleshooting
- defects analysis
- predictive maintenance



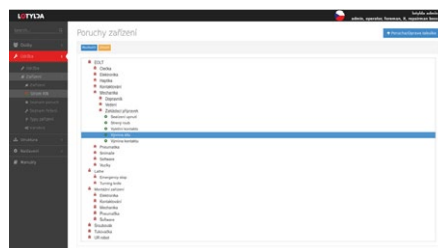
### HUMAN RESOURCES

Personal data is taken from the attendance or HR systems. Every member of staff is identified by an access card. **The staff members are divided based on the positions which authorize them to different access rights and system behavior.** The monitoring of qualifications and on-the-job training is possible. The system can fully replace paper forms as well as the health and safety training.



### PRODUCTION MACHINERY AND MAINTENANCE

The system enables the management of production machinery and its division into categories. Each category defines possible defects and acceptable troubleshooting. Subsequently, the **analysis of defects causes** can be done within the whole manufacturing plant. The defects can be reported either manually by using terminals or by automated scanning of defects from machine controllers (PLC). The standard protocols like OPCUA or MODBUS are supported. The system can be customized towards the individual needs.



### PRODUCTION LINES

The system enables recording of the layout of the production line within the time, with a clearly defined history. The layout consists of production operations. Each operation connects one or more production machines and necessary qualification of the operating staff. Graphic layout editor is a part of the system too. It is possible to define the production takt of each product (PN) or family of products. This information can be used to **calculate OEE.**

