

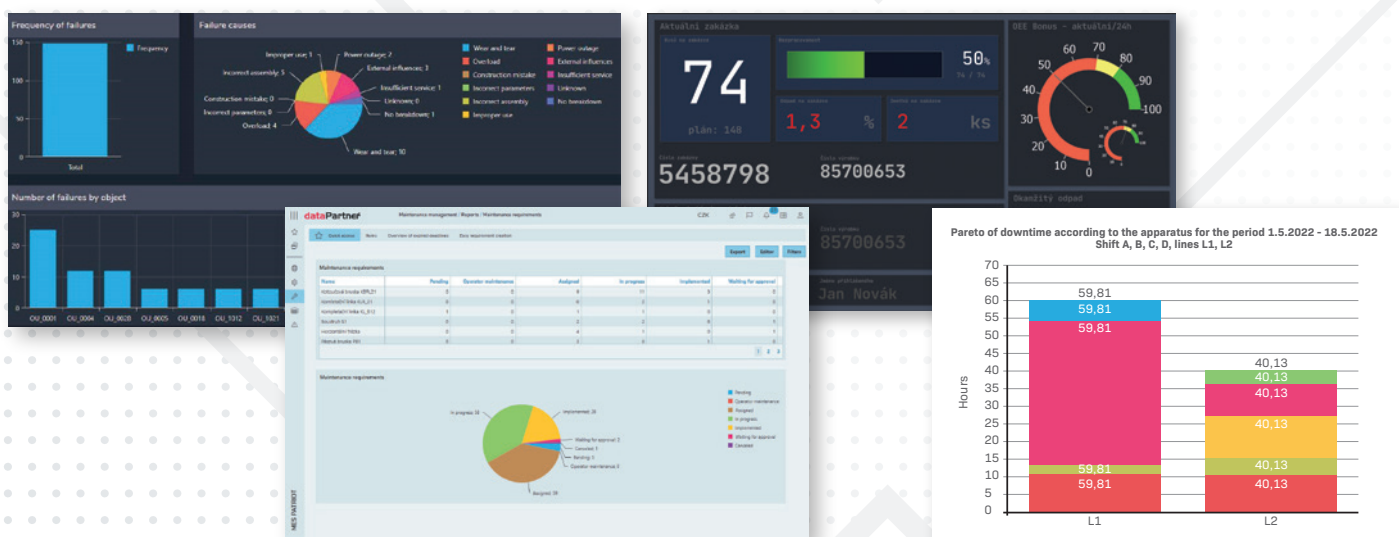
SHARED EQUIPMENT AND SERVICES REGARDING MES PATRIOT®

User analyses and reports

The user analysis and reports module contains basic and commonly required reports with topics according to the deployed modules and can also contain additional, customer-required reports with the possibility of using BI (Business Intelligence) tools for detailed analysis, presentation of production data and decision support. All reports can be exported to excel, pdf, xml, etc. with the possibility of automatic emailing.

Reports are principally divided into 2 groups:

- » **Online reports** that show the current status which can be acted upon. They are automatically refreshed. They are displayed to selected users after logging in to MES PATRIOT®, or selected information is displayed via the Visualization module, e.g. on ANDON boards in production.
- » **Historical reports** that can be filtered by various parameters such as defined time period, production centre, machine, product, downtime pareto by type, types of product non-conformities, OEE, KPIs, personnel evaluation, etc.



Infrastructure









The MES PATRIOT software modules share parts and equipment with each other to ensure functionality across implementations. These include data concentrators, data servers, and central and presentation servers. In particular, this infrastructure is part of the Production Genealogy module and can serve the entire MES PATRIOT. If the Production Genealogy is not implemented the infrastructure must be supplied to the extent necessary as shared equipment.

Pilot project

In order to test the functionalities of MES PATRIOT directly on a specific device (a specific customer case), it is possible to implement a pilot project. A project for collecting data from machines can be installed remotely using local IT support staff provided that remote network access to the control application of the monitored machine is temporarily enabled and the addresses of the variables required to be sensed are obtained, e.g. within the OPC UA protocol. The pilot project can also be implemented in a standard way after a personal visit and on-site installation.



Implementation and support

- 1. Requirements analysis** (personally on-site) 
- 2. Study of feasibility** (document preparation for the dealings) 
- 3. Project realization/Implementation analysis** (execution according to the agreed design) 
- 4. Implementation** (our part of the realization, tests and examinations) 
- 5. Complete training** (system demonstration and user training) 
- 6. Documentation** (detailed user documentation) 
- 7. Guarantees on features, costs and terms** (contractual security) 
- 8. Warranty and post-warranty service** (individual conditions according to the Service Contract) 
- 9. Opportunities for further development** (within the Service Contract, flexible and proactive approach) 