

SMART FACTORY

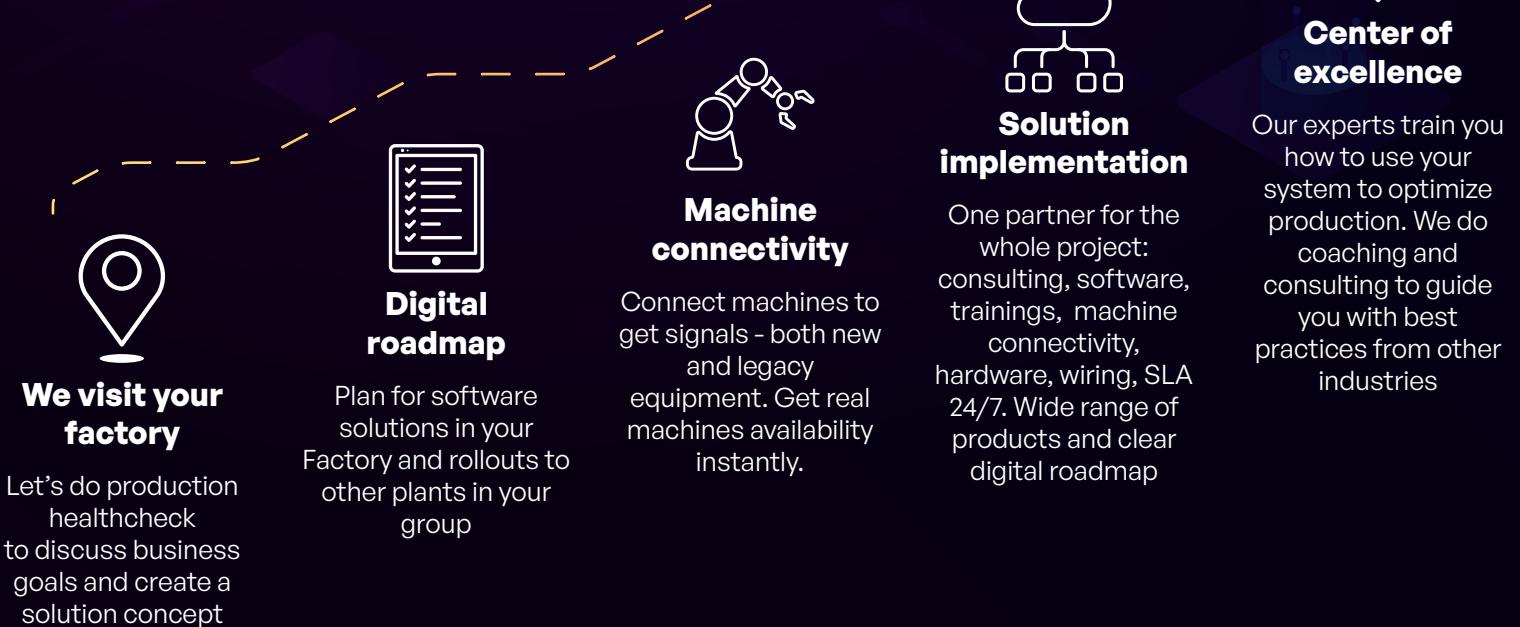
Software for Manufacturing to optimize production processes

Tangible benefits:

- Increase OEE
- Increase on time & in full production
- Increase production volume
- Decrease scrap and rejects
- Decrease downtimes and failures
- Eliminate paper from shop floor

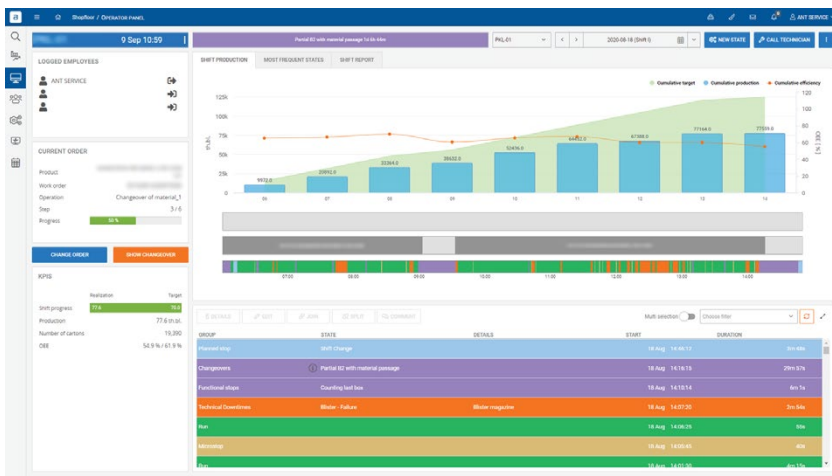
ANT Smart Factory is the MES class IT solution which allows to collect operating data from production lines and visualise them in a friendly way for all employees, to make better and faster decisions. ANT's Smart Factory supports the implementation of lean manufacturing and continuous improvement methodology in the factory and allows you to focus on daily tasks that really matter.

Road to SMART FACTORY:



They trusted us:

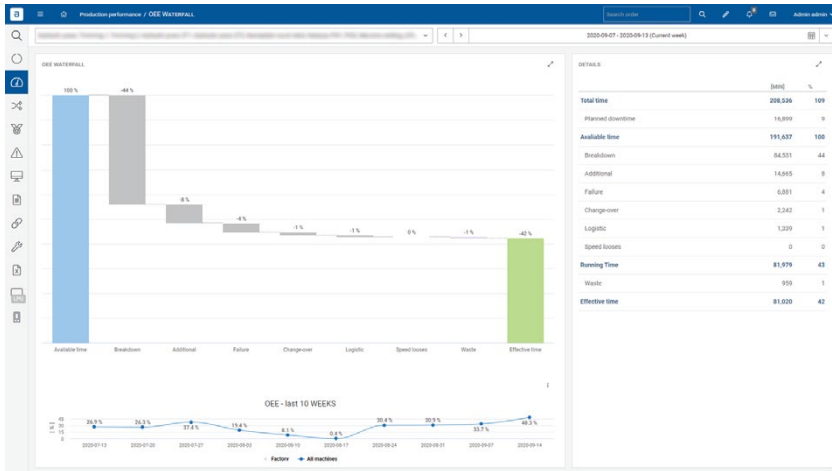




MES (Manufacturing Execution System)

Reliable production data at glance

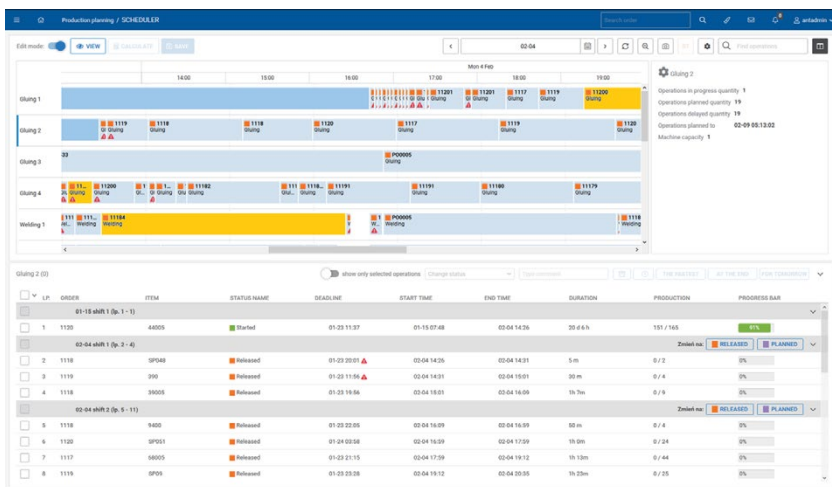
- **Machine connectivity** – gather process parameters signals from machines
- **Traceability** – scan and validate materials for full product's genealogy
- **Systems integration** – we unify data, not only from ERPs
- **Paperless** – eliminate paperwork and Excel from shop floor with workflow and activities
- **Microstops** – detect bottlenecks and root cause of each, even smallest stop



OEE Monitoring System

First step to shop floor digitalization

- Automatically count production and machine states based on cycles from any machine
- Focus on improvements thanks to individual OEE analyses
- Production monitoring in real-time: progress, efficiency, ongoing processes
- Work with digital documentation and eliminate paper from shopfloor



Real-Time Scheduling (APS)

Optimize your production plan

- **History learning** – plan production based on the product's real cycle and OEE
- **Algorithms** – minimize costs and maximize deadlines based on millions of scenarios
- **Changeover matrix** – optimize sequences and duration
- **Gantt timeline** – drag&drop production orders and operations
- **Maintenance scheduling** – improve communication between departments

EMS

All utilities under control!

- Consumption per location of energy, gas, compressed air and more
- Planned usage vs trends with alarms when exceeding limits
- Leak detection

WMS

Eliminate late material deliveries on shop floor!

- Locate your products on the shop floor
- Always get materials on time at the machine
- Automate warehouse processes from inbound receipts, movements to outbound deliveries

CMMS

Have your assets in shape!

- Reduce maintenance works thanks to counting working cycles and hours for machines and tools
- Minimize spare parts stocks
- Guide technicians through maintenance workorders

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