

STABILIS

POWERED BY INDIGO

# Stabilis Smart Factory

# Business process optimisation, cost-efficiency, increased production capacity and less workload

## Stabilis Smart Factory

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### What Does It Do?

Stabilis Smart Factory is a smart factory in a strict sense. It offers the entire functionality of Stabilis Operator and Stabilis Monitoring but, additionally, facilitates control of machinery, change of settings, maintenance scheduling, and data acquisition, etc.

Smart Factory also employs AI algorithms and Big Data for data analysis and processing.

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## How Does It Work?

Data captured at workstations is input into IT systems. The personnel can access it in the monitoring centre, via touch screens at machines, and on mobile devices.

With the option of machine control, many processes previously performed by the personnel are carried out automatically, among them: uploading production orders from the ERP system to machines, uploading parameters, handling peripherals and integrating them with the ERP system.

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## Optimisation through Integration

How diverse your machinery is does not matter. Stabilis helps create interfaces and business logic that handle communication also with older generation machines: both digital and analogue.

Stabilis Smart Factory links workstations with IT systems to optimise business processes, thus reducing workload, costs and increasing production capacity without the need to invest in hardware infrastructure.

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## Interfaces or How to Access Data

Stabilis Smart Factory facilitates access to information at two levels: via an interface displayed on the touch screen at the workstation and an extended interface displaying the status of machinery and equipment.

The design of both interfaces fits into the latest trends in web application development. Importantly, more custom panels can be quickly developed depending on what information should be provided to the personnel.

Our technology also allows development of a dedicated HMI to facilitate operators' activities by providing the same interface for different machines.

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## Data Analysis

Advanced reporting secures access to collected data. The cutting-edge reporting engine enables quick and effortless generation of custom quantitative and qualitative reports. They can be retrieved on-line or off-line in real time.

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## Benefits

## Optimisation

- Increased production capacity.
- Automated generation of production orders: downloaded from the database and displayed on the operator's dashboard.
- Automated preparation of reports and production sheets.
- Real-time monitoring of production processes.
- Access to information relevant for maintenance personnel (measuring the useful life of spare parts, information on violated parameters, detection of non-standard operation of machinery and equipment, handling warnings and errors).

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## Benefits

### Cost-efficiency

- Elimination of consumables used up to handle orders in a traditional way (paper).
- Elimination of errors occurring during manual data entry.
- Less pressure on hiring highly qualified personnel.
- Reduction of losses, downtimes, and failures.



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## Benefits

### Effectiveness

- Fewer activities that need to be performed by the personnel: enhanced work efficiency.
- Remote modification of machine settings, uploading optimum parameters and manipulating equipment without human intervention on site.
- Remote task-assignment and execution monitoring.
- Performance of complex device-to-software processes, for example, detecting the end of a product manufacturing process, reading the proper marking from the ERP system, printing the marking, issuing warehouse documents, creating a loading list, assigning tasks to warehousemen.