

The future of production management ✓

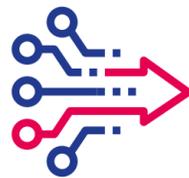


IPOsystem does not create theoretical plans **but makes optimal decisions!**

5 sec.



Autonomous Intelligent Decision-Making System (ADS)

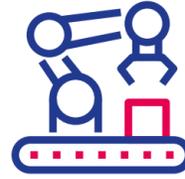


The system is available on computers, work terminals and mobile devices.

IPOsystem can be easily integrated with other systems in the enterprise, such as ERP, WMS, PDM class systems and many other world-renowned systems such as SAP, MS Dynamics, Oracle.



every day the System controls the work of over **12,000** employees



Over **50** factories



The System generates about **40 - 50** thousand operational decisions daily



The main goals of implementing IPOsystem in the company are:

- getting rid the existing problems related to planning and resource management in the production area,
- significant increase in productivity,
- lowering the operating costs.

The most important benefits of implementing IPOsystem:



CONVENIENCE

- exceptional ease of resource management,
- full control and knowledge of processes, dates and resources available 24 hours a day from anywhere in the world,
- significant improvement in the timeliness of executed production orders,
- management's focus on optimizing business processes and decisions instead of on-going planning and resource management.



PRODUCTIVITY

- the working time of each employee (from entering the production hall to leaving) and machines is used for direct production activities to the maximum possible extent. The result is a significant increase in the productivity of companies - from 15% to even 30% in the first year after launching the system in relation to companies managed basing on planning,
- real-time decision optimization.



SAVINGS

- significantly lower costs in the area of planning, direct resource management and employee supervision,
- better use of resources thanks to the support of multi-professionalism of employees,
- shortening the lead time of orders.

UIBS Teamwork Sp. z o.o.

ul. Rudzka 8
44-200 Rybnik, Poland
tel. +48 662 818 392
e-mail: iposystem@uibs.com.pl



IPOsystem Deutschland GmbH

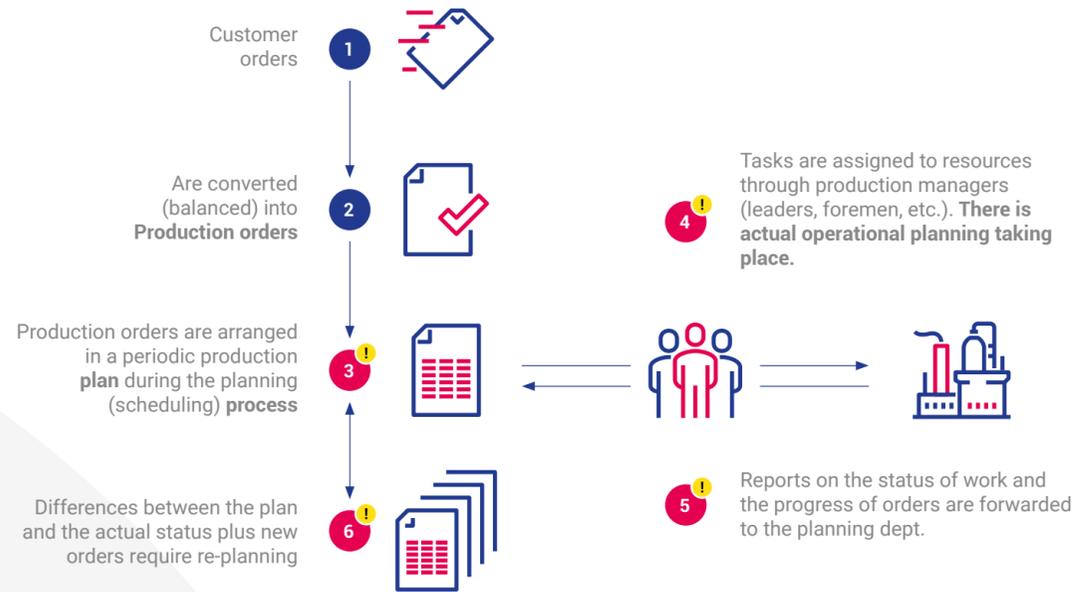
Zur Grafenburg 40a
42549 Velbert, Germany
tel. +49 1573 4688 706
e-mail: marek.wowra@iposystem.com

The world's first
autonomous decision-making system (ADS)
that automates the planning processes
and direct resource management in
production halls.

Traditional planning tools !

Operational production management is based on the skillful and effective connection of two worlds, the world of production orders (customer orders, stock production, etc.) and the world of available resources (people and machines).

That is why hundreds or even thousands of operational decisions are required every day – by whom, when, where and what the task have to be executed. Until now, planning systems (APS) and production data collection systems (MES) have been used for this.



Despite the improvement of planning tools, in the era of Industry 4.0, progressing automation, constantly changing customer requirements and the need to improve the flexibility of factories, i.e. faster response to market

needs, production planning based on scheduling is becoming less and less effective. There are downtime and micro downtime of resources, and more and more people are involved in the planning process.

Why is this happening?

The reason is the high variability of planning parameters in many areas:



Orders:

- New order
- Deadline
- Quantity
- Priority



Employees:

- Availability
- Performance
- Differences in skills



Machines:

- Failures
- Performance
- Tools



Materials:

- Change of delivery date
- Quality (other than expected)

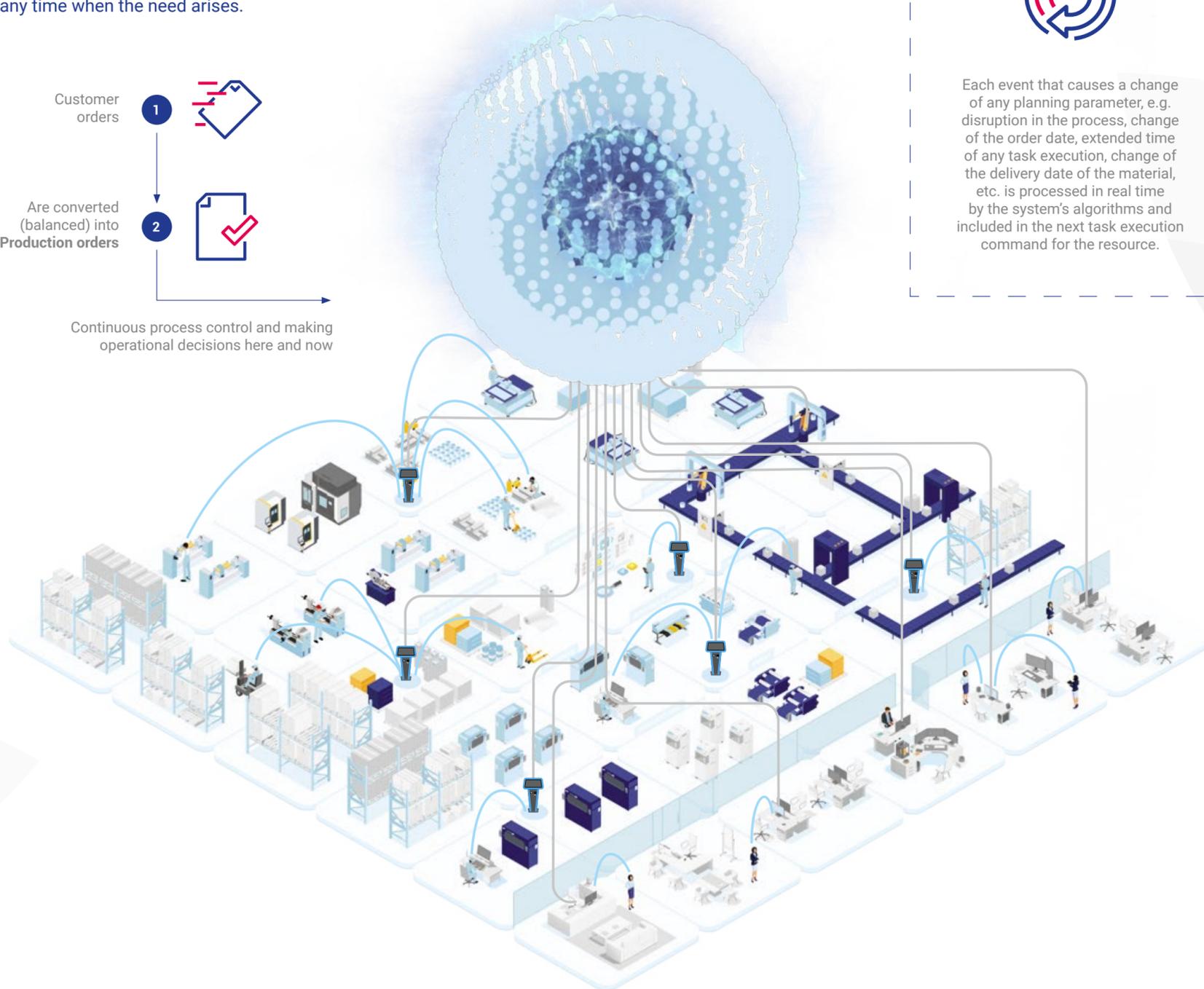
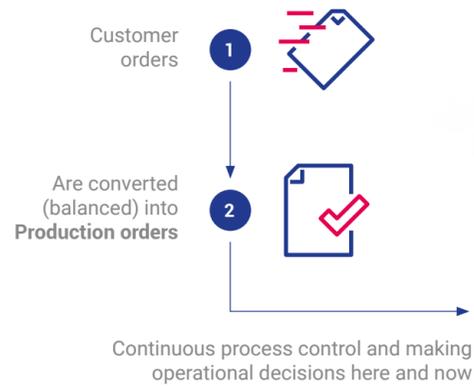


Technologies:

- Differences in routes
- Technological times

The future of production management ✓

The system without the need for scheduling, independently, in no more than 5 seconds, generates optimal decisions about the work of each resource. Task execution commands are issued by the system directly to individual employees, at any time when the need arises.



Each event that causes a change of any planning parameter, e.g. disruption in the process, change of the order date, extended time of any task execution, change of the delivery date of the material, etc. is processed in real time by the system's algorithms and included in the next task execution command for the resource.

The main functions of the system:

- Automation of operational decisions through the ADS decision-making mechanism
- Managing production orders and their deadlines
- Direct management of production resources (people and machines)
- Continuous supervision of production progress - MES
- Generating production orders (also automatically)
- Multi-level technology management (BOM + BOO)
- Automatic technology creation module
- Balancing material needs (MRP II)
- Balancing of labor needs (man-hours and mth)
- Handling of defective items and repair orders
- Competency matrix management
- Working time management – full control
- Management of external cooperation services
- Quality control management
- Management of work centers
- Team work management
- Extensive work grouping
- Changeover management
- Warehouse management
- Production logistics, including internal transport
- Identification of production details and traceability
- Generation of labels and marking
- Tool management service
- Simulations and scenarios
- Work data analysis
- Analysis of production costs and valuation
- Analysis of bottlenecks
- ... and many others