

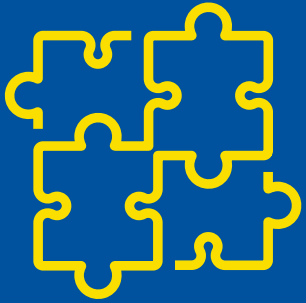


Advanced Process Modeling



Anyone can do simple. But **complex** scenarios require complex solutions.

The **Smart Factory** and planning can be quite complex things.

A red line graph on a blue background. The line starts at the bottom left, dips slightly, then rises steadily to the right. A white dot is placed on the line, and a vertical red line extends from this dot down to the word 'Motivation'.

Motivation

"**Dependencies** between operations are a daily business in our company. Production planning must take this into account."

"Our customers expect us to produce certain items only by using a **defined** machine, tool and material **combination**. Otherwise the product is rejected."

"**Complexity** is not just a word for us. On the one hand, we produce several articles in parallel at one machine, and on the other hand we sometimes need **several resources** to produce one article. It's sheer madness!"



Your Issue



- Organize your planning with defined structures.
- Combine operations that belong together or require similar conditions.
- Integrate all dependencies in the planning system.
- Assign the required resources to each operation.
- Optimize the planning according to your specific requirements.



Our Solution

With the mApps of the FEDRA category Advanced Process Modeling, you can...

- ... create campaigns to minimize setup costs.
- ... plan the parallel production of several articles on one resource.
- ... ensure that your specifications for production are adhered to.
- ... distribute operations to several machines.
- ... integrate dependencies between orders.
- ... assign resources multiple times to reduce setup costs.



APS FEDRA

Setup
Optimized
Planning

Individual
Verified
Planning

Operation
Splitting

Multiple
Resource
Mapping

Campaign
Planning

Connected
Production
Planning

Cross Order
Planning

mAPPS

**Advanced Process
Modeling mApps**



Plan reliably

Respect dependencies & adhere to specifications

Optimize the use of resources

Through multiple assignment and order splitting

Minimize setup costs

Campaign planning & optimized sequences

Master complexity

Digitally map expert knowledge

Your Benefits

Use **APS FEDRA** Advanced Process Modeling to map your processes in detail and to optimize planning.



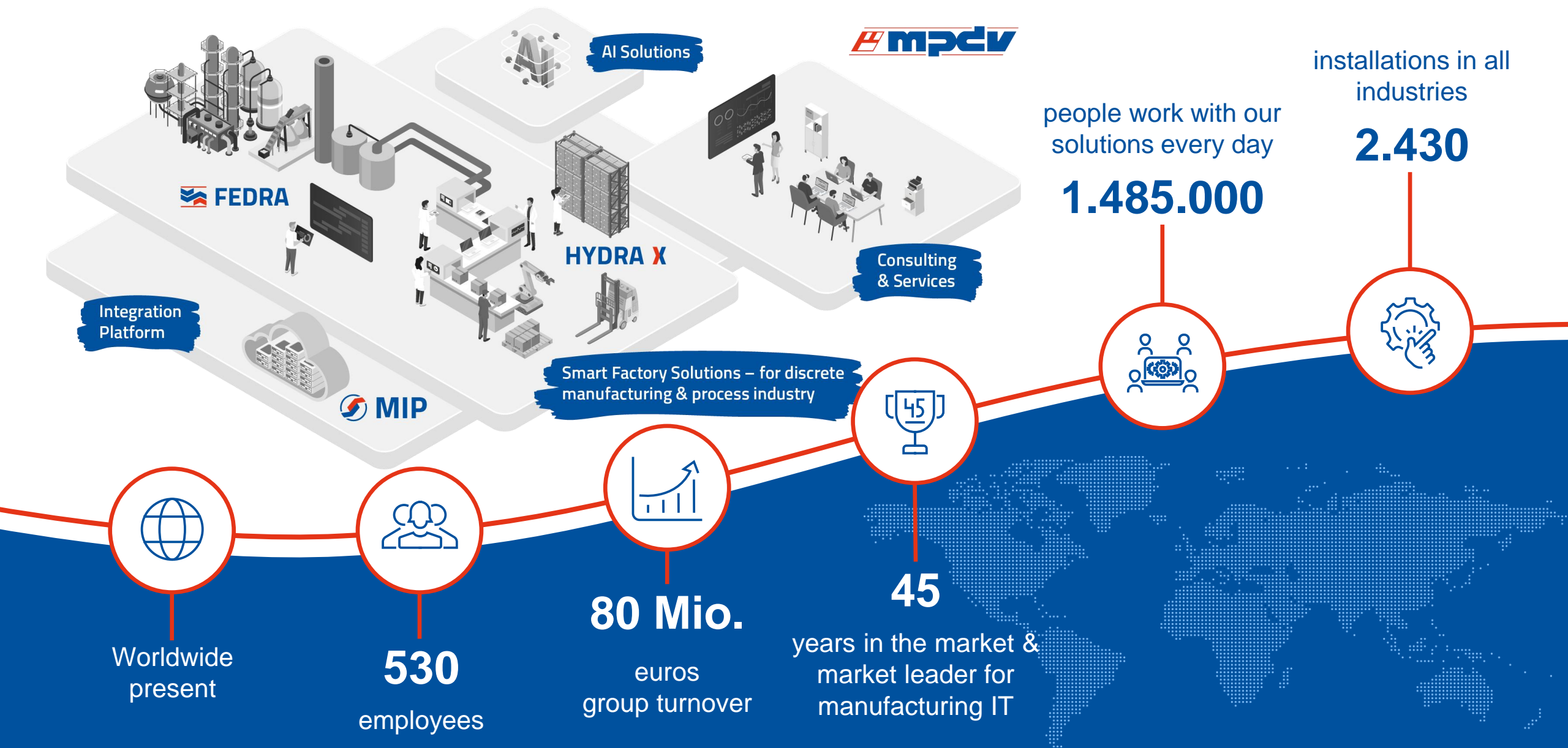
Profit Now!

A photograph of a modern industrial building complex. The main building is white with blue accents and multiple windows. A smaller building with a blue roof and large glass facade is on the right. The sky is blue with white clouds. A red line graphic runs across the bottom of the image, ending in a white circle.

About MPDV

WE CREATE SMART FACTORIES





Would you like to learn more about APS FEDRA?



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