

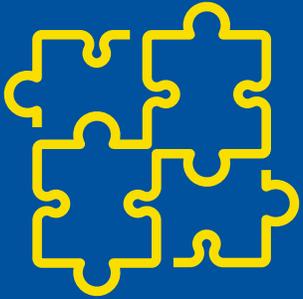


*Advanced Process Modeling*



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 circle marks a point on the line, with a vertical red line extending 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.



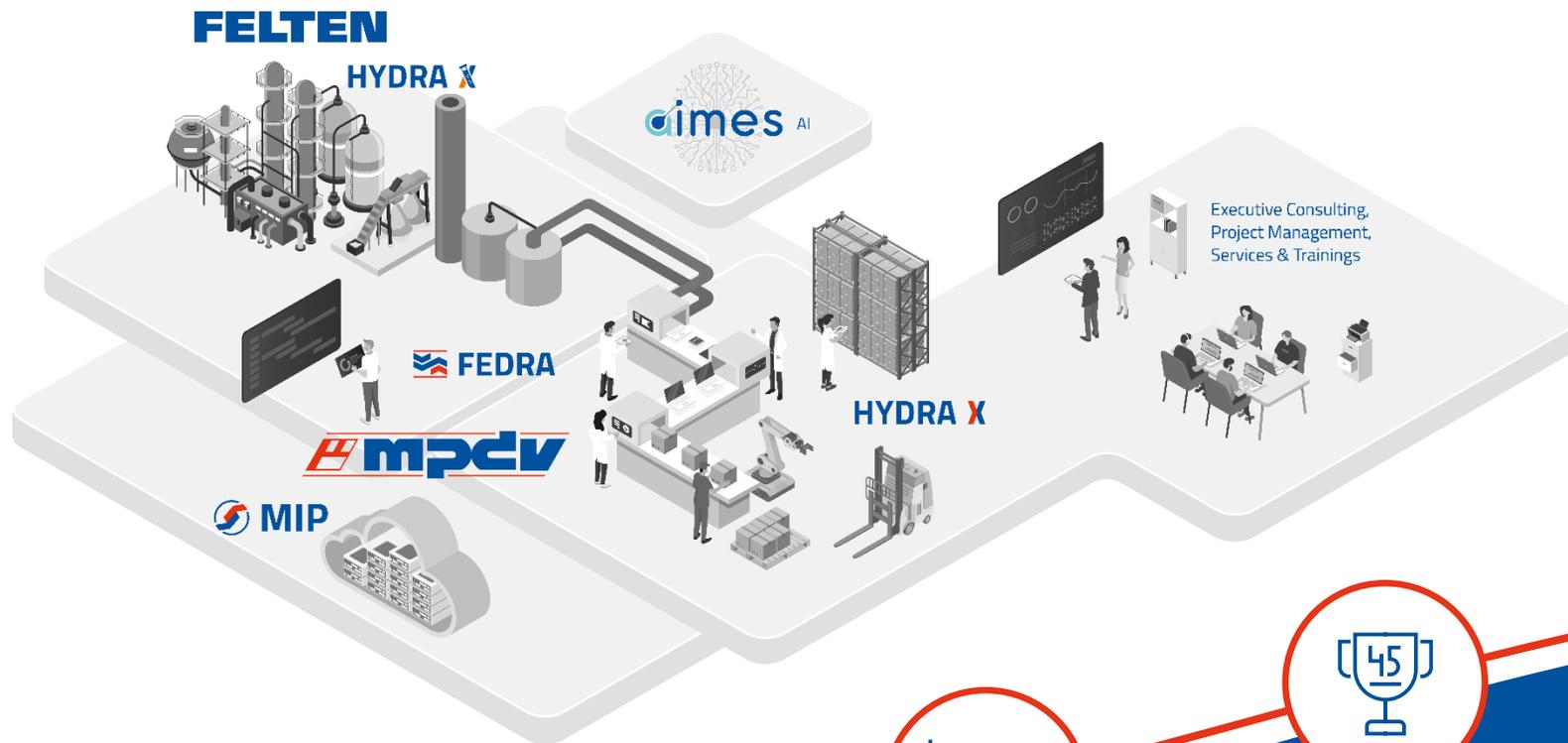
**Profit Now!**

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 on the left.

## About MPDV

WE CREATE SMART FACTORIES





people work with our solutions every day

**1.485.000**

installations in all industries

**2.430**



**13**

locations worldwide



**530**

employees



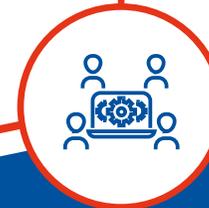
**80 Mio.**

euros  
group turnover



**45**

years in the market &  
market leader for  
manufacturing IT



# Would you like to learn more about APS FEDRA?



*WE CREATE SMART FACTORIES*



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