



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, curves upwards, and then levels off towards the right. A white dot is placed on the line, and a vertical red line extends downwards from this dot 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

mAPPS

Setup
Optimized
Planning

Individual
Verified
Planning

Operation
Splitting

Multiple
Resource
Mapping

Campaign
Planning

Connected
Production
Planning

Cross Order
Planning

**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 windows 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





**Market
leader**

for IT solutions in production



Over

45 years

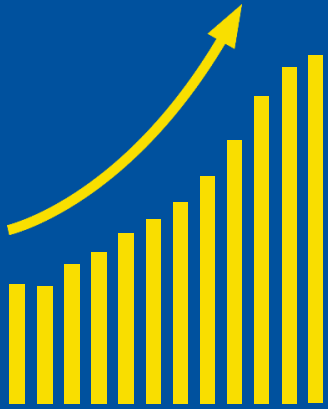
project experience



We are at your side on the way to the Smart Factory

regardless of
your **size** and **industry**

Who are we?



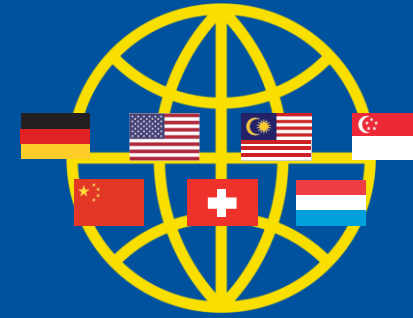
73 Mil

Euro group turnover



520

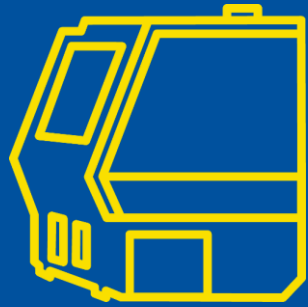
Employees



13

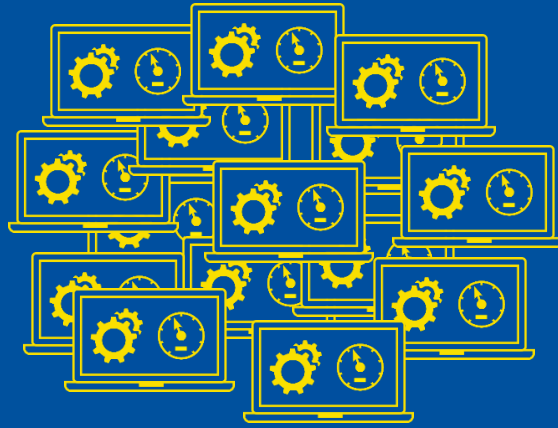
Locations worldwide

Basic Information



100,000

Machine connections
worldwide



1,100,000

People work with MPDV
systems every day



1,750

Installations

Basic Information

Would you like to learn more about APS FEDRA?



WE CREATE SMART FACTORIES



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