



# *Advanced Scheduling & Optimization*



At some point, **automatisms** outperform people – let us **help** you with your planning.



Motivation

"We need **lots of time** to manually plan **all the operations**. We have so many! Can planning be automated?"

"The planning issues are incredibly **complex**. They're giving us headache. It's impossible for us to find a **perfect solution**."

"We would like to try out **different planning scenarios** before selecting the best one."



**Your Issue**





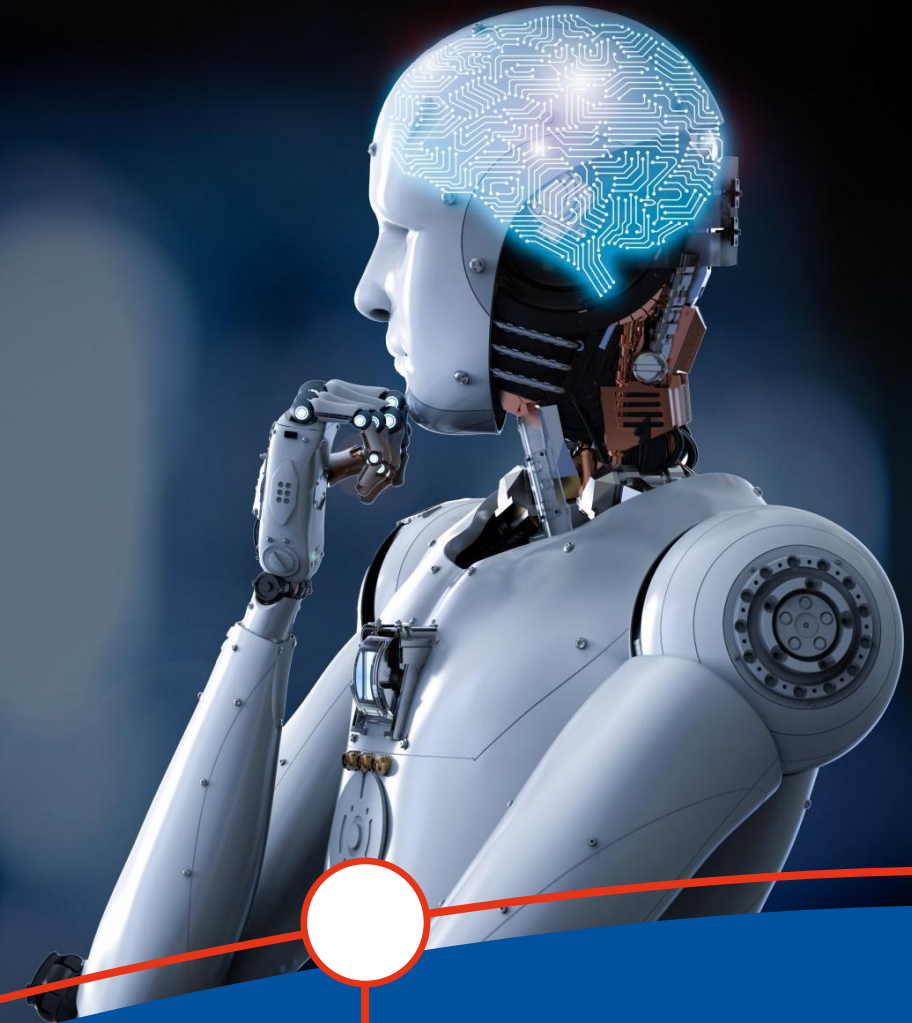
- Automate complex planning tasks.
- Exploit the full potential of APS FEDRA.
- Rely on the methods of artificial intelligence (AI).
- Compare different options and run the best one.



## Our Solution

## With the mApps of the FEDRA category Advanced Scheduling & Optimization, you can...

- ... define rules and targets for the automatic planning.
- ... use artificial intelligence (Reinforcement Learning).
- ... get the maximum out of your planning.
- ... simulate and compare different scenarios.



**APS FEDRA**





Rule-Designed  
Planning

AI Planning

Simulation

mAPPS

**Advanced Scheduling &  
Optimization mApps**



## **Maximize capacity utilization**

Globally optimize planning with artificial intelligence

## **Save time and effort**

Easily automate planning runs

## **Save resources**

Compare and evaluate different planning scenarios

## **Stay competitive**

Use innovative technologies for your planning

**Your Benefits**

Use the innovative technologies of **APS**  
**FEDRA** Advanced Scheduling &  
Optimization to get the maximum out of  
your planning.



**Profit Now!**

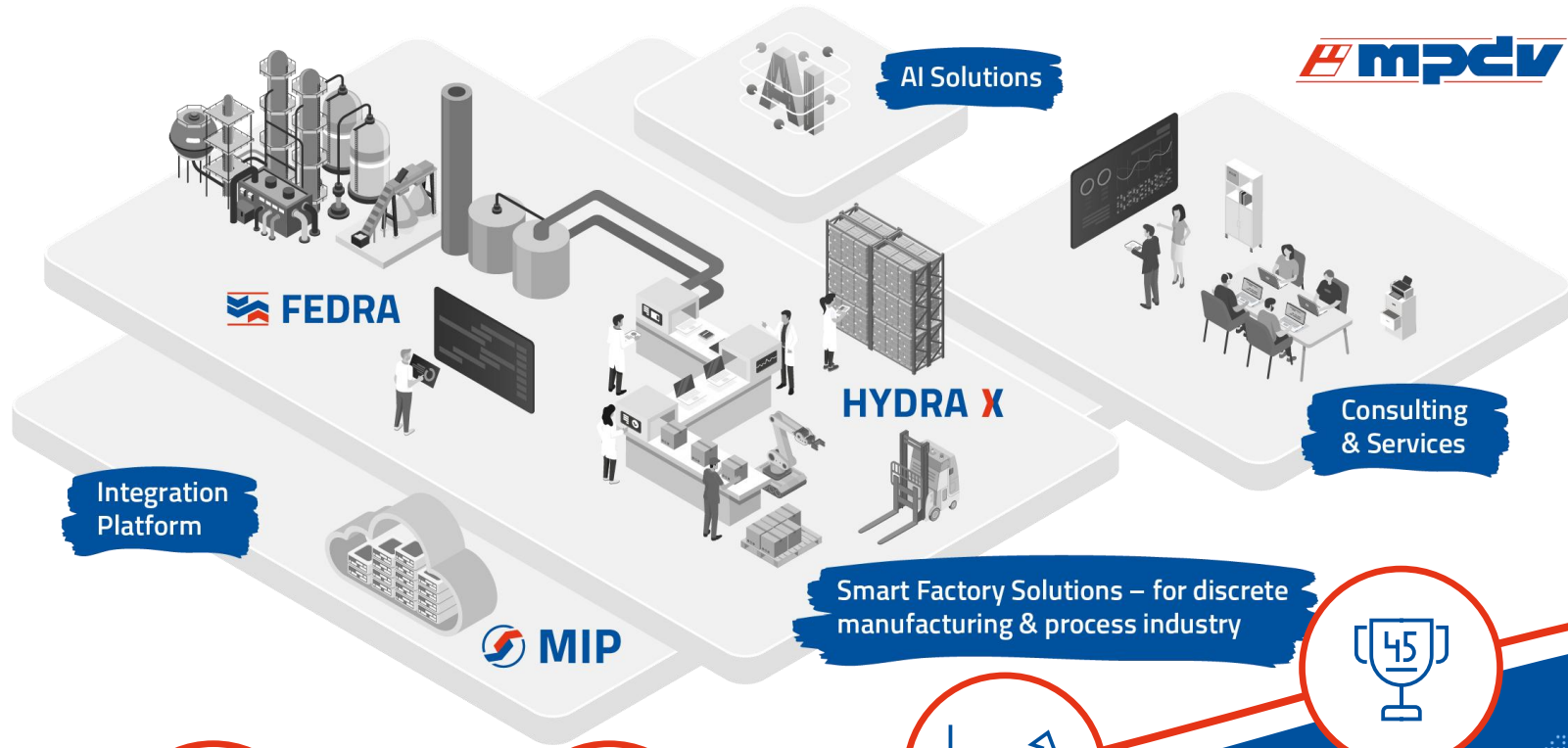


A photograph of a modern industrial building complex. The main building is white with blue accents and multiple windows. A smaller building with a blue roof and large glass facade is on the right. The sky is blue with white clouds. A red line graphic runs across the bottom of the image, ending in a white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

## About MPDV

WE CREATE SMART FACTORIES





people work with our solutions every day

**1.485.000**

installations in all industries

**2.430**

Integration Platform



Smart Factory Solutions – for discrete manufacturing & process industry

Consulting & Services



Worldwide present



**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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