



*HYDRA X for Process*  
*The New IT Generation for the Process Industry*



**HYDRA X**

The **Smart Factory** is not only a vision, but your guarantor for increased **productivity** and **competitiveness**.

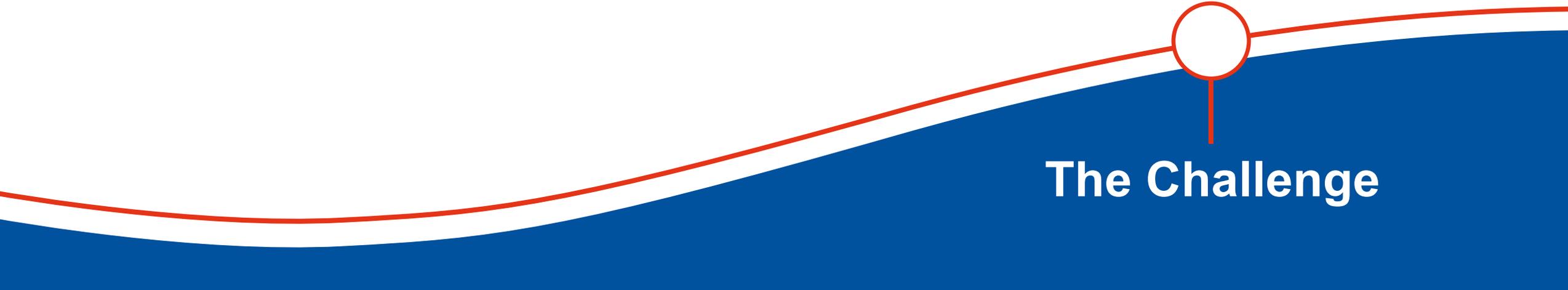


Motivation

- 
- Pricing pressure
  - Flexibility, quality
  - Raw material procurement
  - Staffing
  - Energy prices



- Producing cost efficiently
- Assuring processes & quality
- Using resources efficiently
- Acting sustainably
- Keeping pace with technological change
- Establishing change management



## The Challenge

## The easy way to get started with the Smart Factory

- Transform your complex production processes into integrated systems
- Eliminate unnecessary interfaces
- Reduce paper consumption
- Streamline processes
- ... and ...
- Optimize your production with HYDRA X for Process!



# Digital Transformation



- Get key data on the current status of the shop floor to monitor, control, and optimize your production in real time.
- Seamlessly integrate optimization, quality, and energy management into a modular platform that is easily scalable and ready for the cloud.
- Keep track of things and expand your MES flexibly based on the Manufacturing Integration Platform (MIP).
- Combine manufacturing apps (mApps) as required for your production.

## Our Solution

## With the mApps HYDRA X for Process you can...

- ... combine ERP, machine, and employee data and use this data for consistent evaluations.
- ... plan, monitor, and control the production process in real time and optimize it in the long term.
- ... execute production workflows efficiently, safely, and completely document and track all production steps.
- ... guide operators safely: Provide clear instructions and key information from material preparation to filling for error-free processes.



# HYDRA X for Process



**Compounding Management**  
Controlling your workstep execution



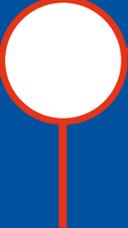
**Recipe Management**  
Overview of your recipes



**Process Safety & Integrity**  
Focus on your process reliability



**Provisioning Logistics**  
Organizing your supply logistics



# HYDRA X for Process mApps



- Relevant information for decision-making is readily available.
- Production processes and efficiency are improved.
- Product quality is controlled and assured.
- Material and resources are used efficiently.
- Products and raw materials are fully traceable.
- Legal regulations and quality standards are complied with.
- Production can be flexibly adjusted to changing requirements.



## Your Benefits

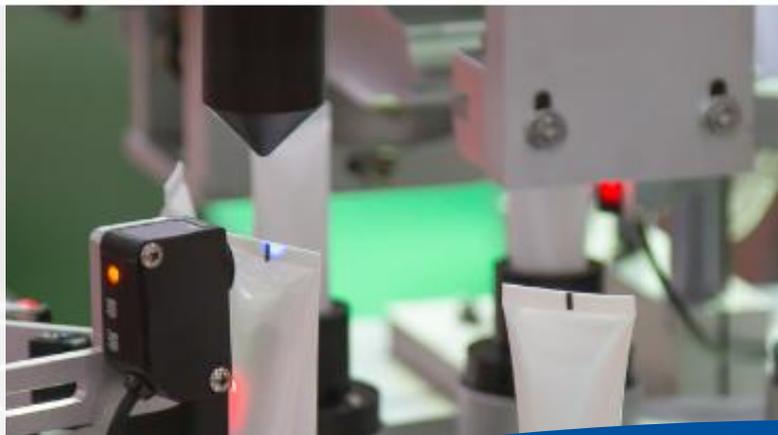
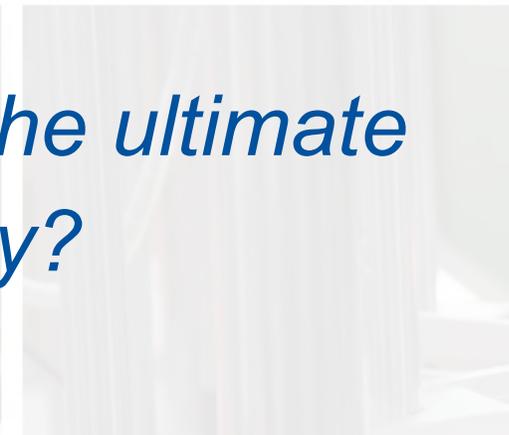
With **HYDRA X for Process**, you can keep track of everything, increase your **productivity** and thereby secure your **competitiveness** in the long term.



**Get Started Now!**



*Why is HYDRA X for Process the ultimate solution for the process industry?*



# WE

We have more than 45 years of experience and the motivation to turn your vision of the Smart Factory into reality.

# CREATE

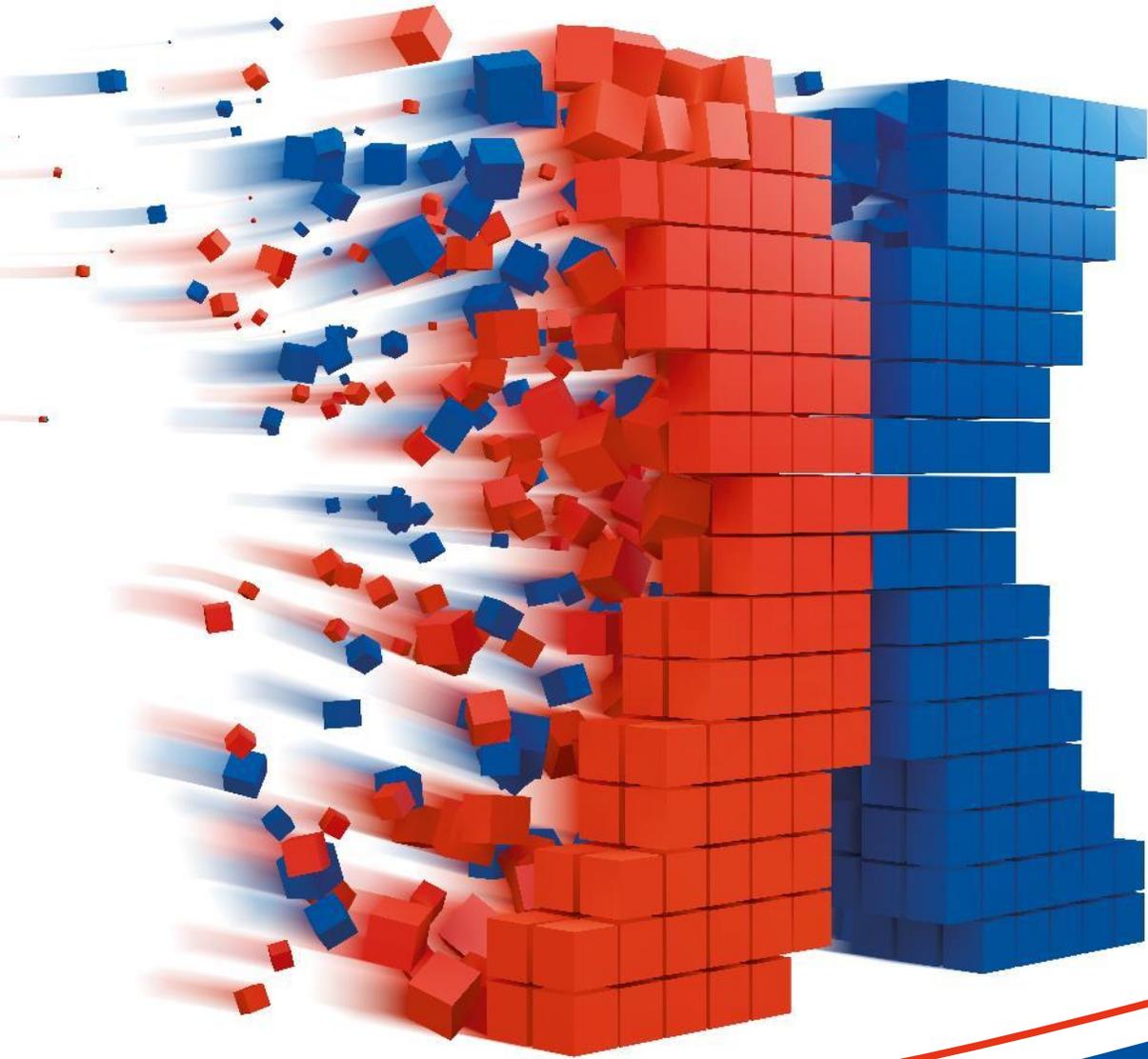
We know the market and design products with a focus on market requirements.

# SMART FACTORIES

We have a clear vision of the self-regulating production and create added value for our users.



**Because We Are the Experts**



**HYDRA X is platform-based and open.**

We offer you the best possible solution.

We have decades of experience in the manufacturing environment.

We or our partners have the right mApp for all requirements.

We combine everything you need for the Smart Factory on a shared platform.

**Because HYDRA X is  
Platform-based**

## FELTEN is the right partner for you

We have a clear vision for the manufacturing of the future.

We have been committed to a consistent product strategy for decades.

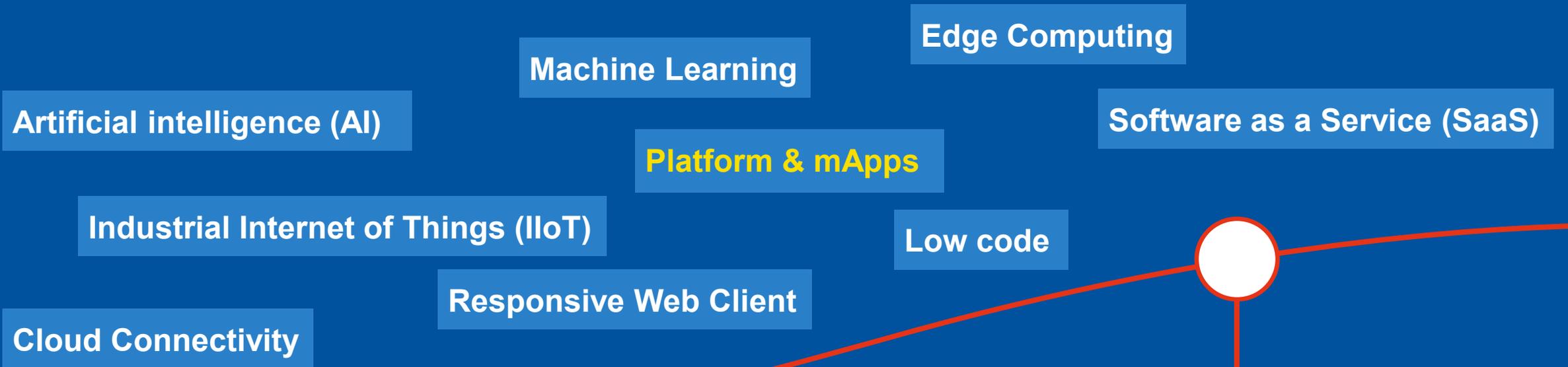
We know the market and understand its influences and needs.

We are thinking today about the challenges of tomorrow.



**Because We Make Your  
Company Fit for the Future**

**HYDRA X** is developed with a focus on the **Smart Factory** and the **requirements** of the current decade and beyond!



Because We Use Cutting  
Edge Technologies

## Build your factory smart!

HYDRA X is composed of many Manufacturing Apps (mApps) that you can **combine with each other any way you like.**

You can integrate **mApps from other suppliers** by using the Manufacturing Integration Platform (MIP).

**You decide** which application you want to use.



**Because HYDRA X is  
Flexible...**



## Manufacturing Integration Platform (MIP)

The MIP is the **basis** for HYDRA X and hence for the Smart Factory.

Profit from the **ecosystem of the MIP**.

Combine the mApp from different providers **as you like**.

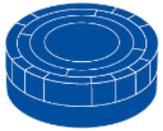
The **MIP** provides the required **interoperability!**

Because we have the  
**Infrastructure for the Smart Factory**

## You decide which functions you want to combine!



HYDRA X is highly **flexible**, so you only choose the mApps you really need.



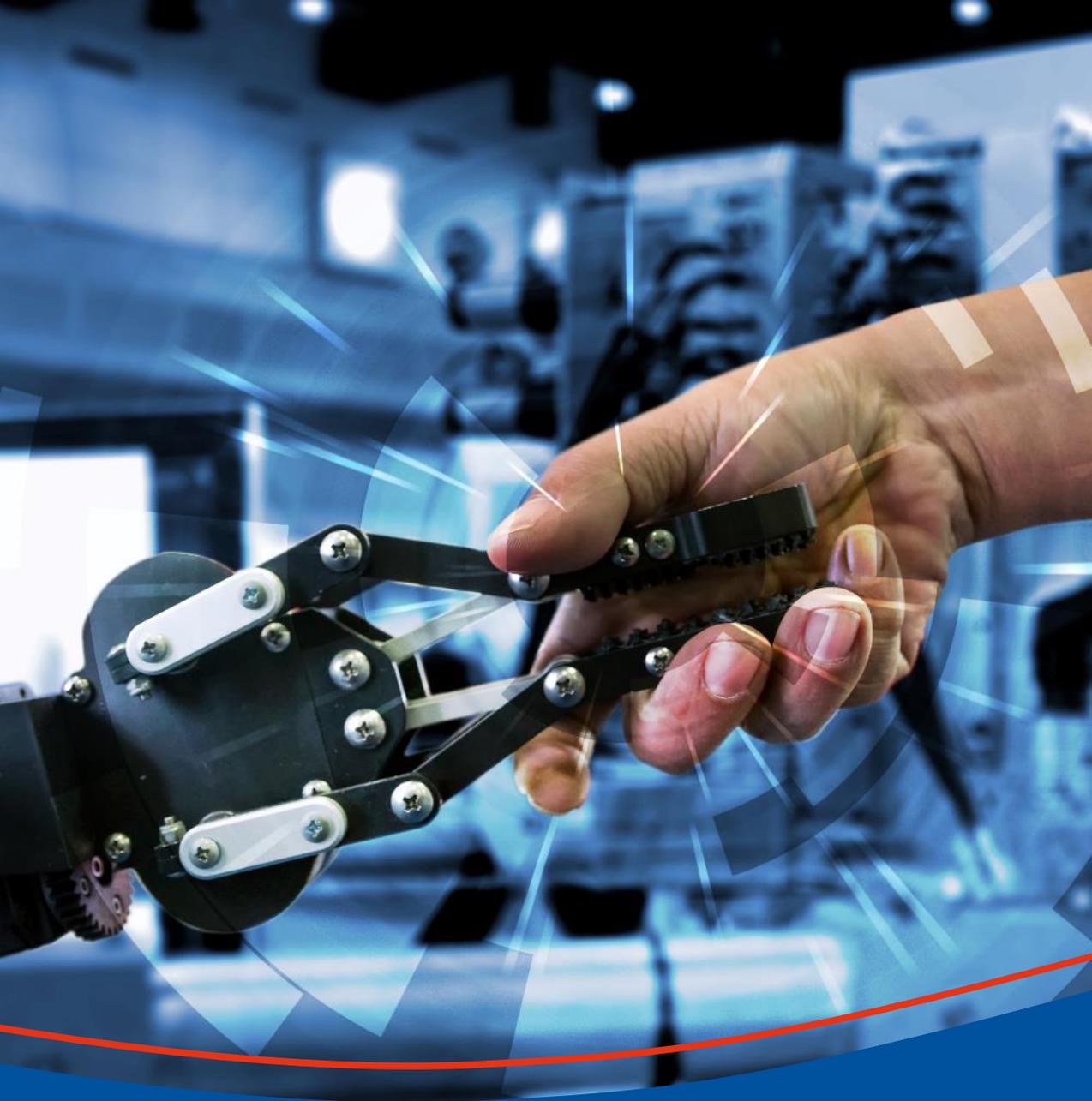
The **innovative platform architecture** enables all mApps to **interact** with each other.



**You as the user** decide what is important.



**Because HYDRA X is Focused on the User ...**

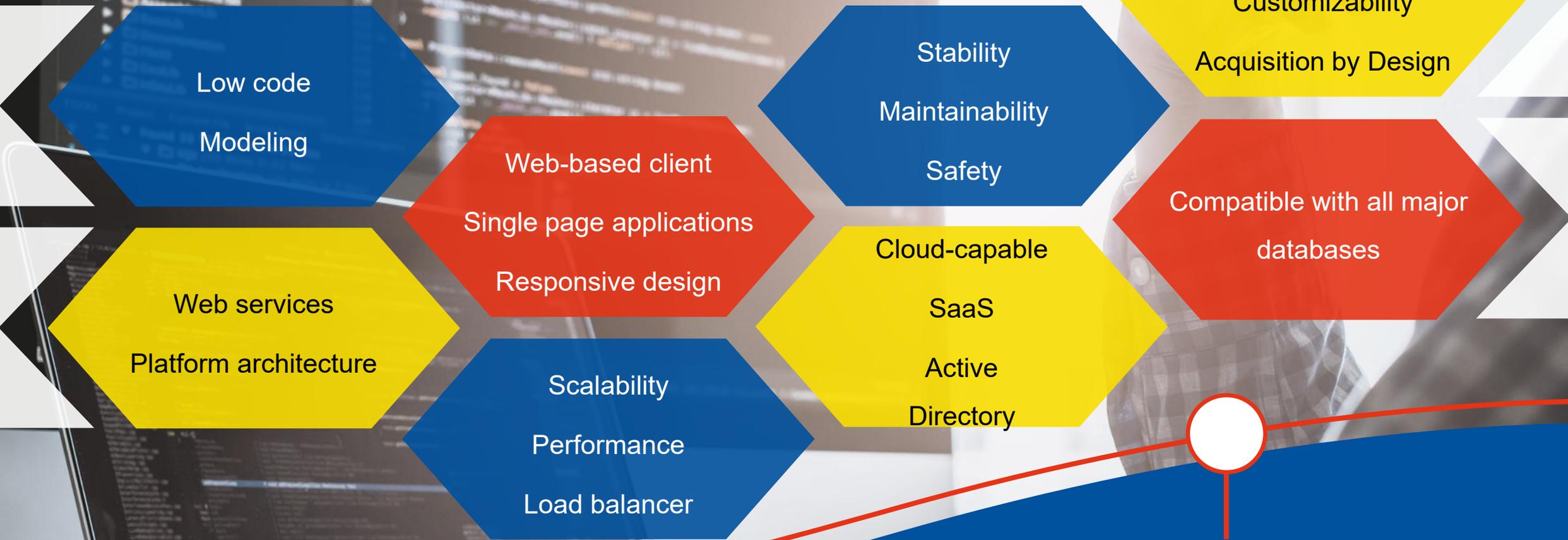


You think about the **applications** you need

... and we focus on helping your company to remain **fit for the future** with our products.

**Because We Know What You Need**

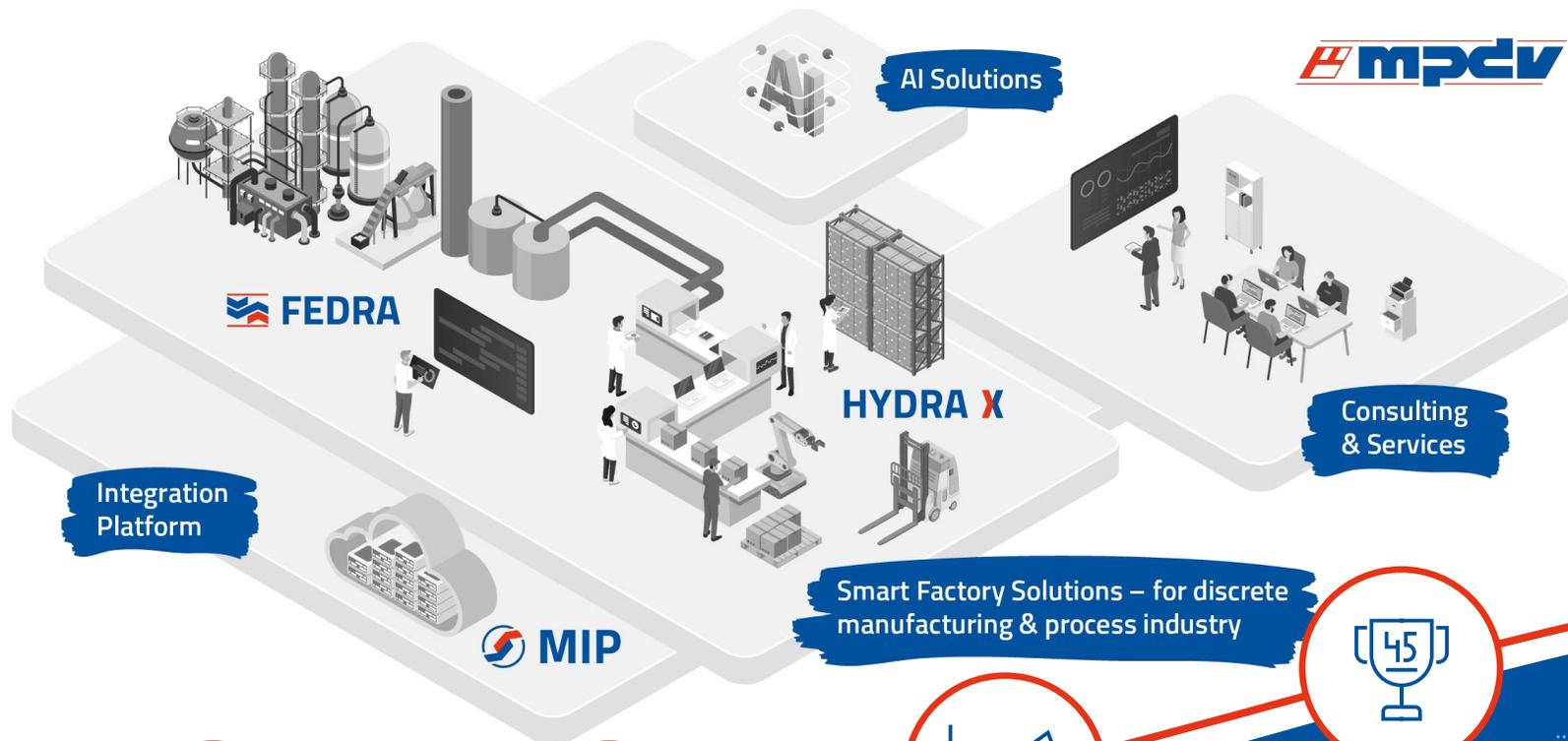
HYDRA X simplifies operation and administration for IT departments, eliminates the need for possible extensions, and much more...



**Because Your IT Department Will Love HYDRA X**

A photograph of a modern industrial building complex. The main building is white with blue accents and a large glass entrance. A blue structure on the right features the MPDV logo. A blue wave graphic is at the bottom.

## About MPDV



people work with our solutions every day

**1.485.000**

installations in all industries

**2.430**



Worldwide present



**530**  
employees



**80 Mio.**  
euros  
group turnover



**45**  
years in the market &  
market leader for  
manufacturing IT

# Would you like to find out more about HYDRA X for Process?



*WE CREATE SMART FACTORIES*



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