




HYDRA X for Process
The new IT generation for the
process industry

HYDRA X

The **Smart Factory** is not just a vision, but your guarantee for greater **productivity** and **competitiveness**.



Motivation

- 
- Price pressure
 - Flexibility, quality
 - Procurement of raw materials
 - Staff situation
 - Energy prices



- Cost-efficient production
- Ensure processes & quality
- Conserve resources
- Acting sustainably
- Doing justice to technological change
- Establish change management



The Challenge

Your way to the Smart Factory

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



Digital Transformation



- Get critical 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 in a modular platform, easily scalable and ready for the cloud.
- Maintain an overview at all times and flexibly expand your MES based on the Manufacturing Integration Platform (MIP).
- Combine exactly the manufacturing apps (mApps) that are relevant for your production.

Our Solution

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

- ...combine and uniformly evaluate ERP, machine and employee data.
- ...centrally plan, monitor, control in real time and sustainably optimize the entire production process.
- ...execute process sequences efficiently and reliably, document all process steps and trace them seamlessly.
- ...guide operators safely: Clear instructions and relevant information from provision to filling for error-free processes.



HYDRA X



Compounding Management
Your Execution under control



Recipe Management
Your recipes at a glance



Process Safety & Integrity
Focus on your process reliability



Provisioning Logistics
Your supply logistics organized



HYDRA X
for Process mApps



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

Your Benefits

HYDRA X for Process allows you to maintain an overview at all times, increase your **productivity** and secure your **long-term competitiveness**.



Profit Now!



Why is HYDRA X for Process the perfect solution for the process industry?



WE

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

CREATE

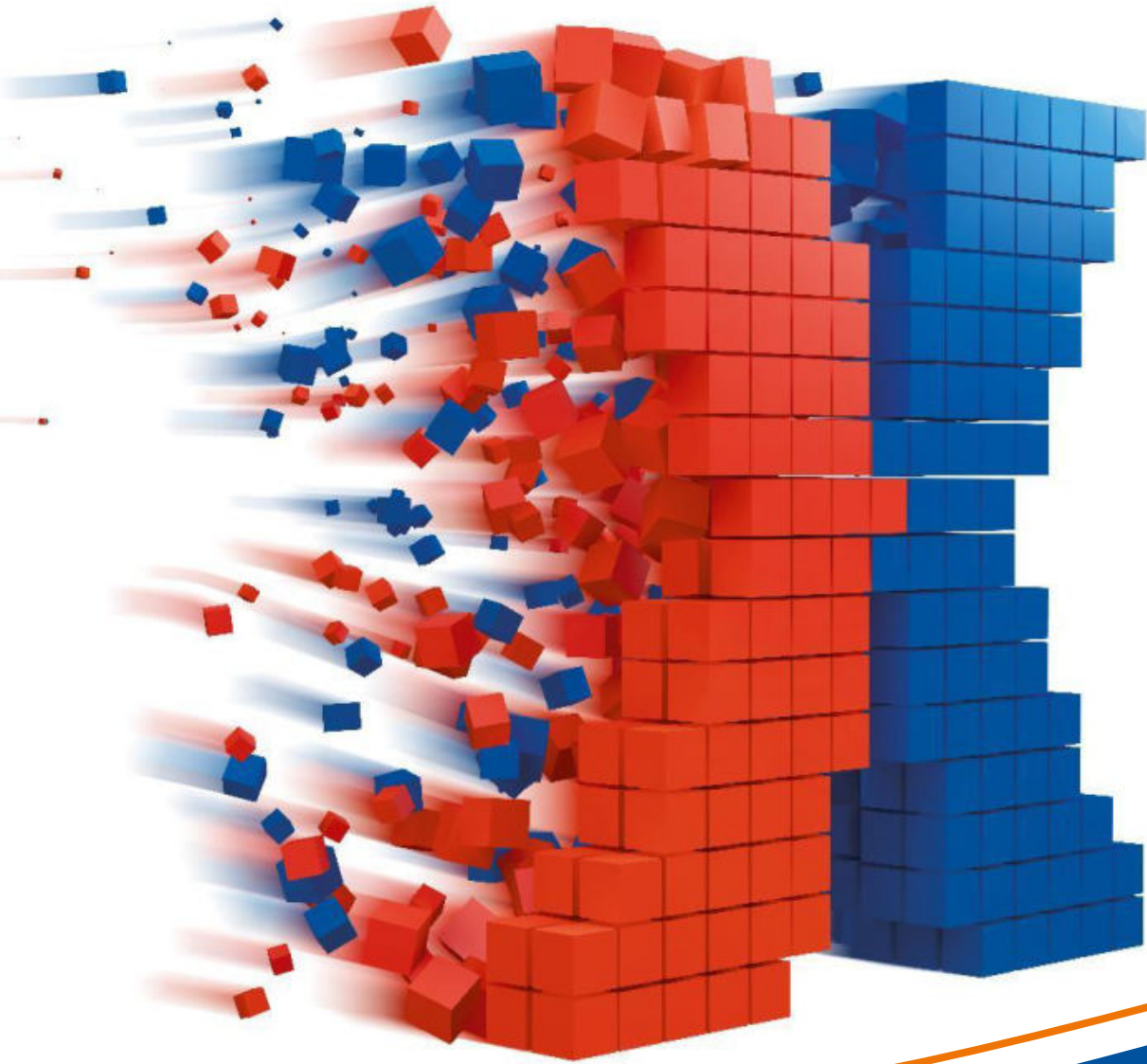
We know the market and create products with a focus on market requirements.

SMART FACTORIES

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



**Because we are the
experts**



HYDRA 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 common 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.

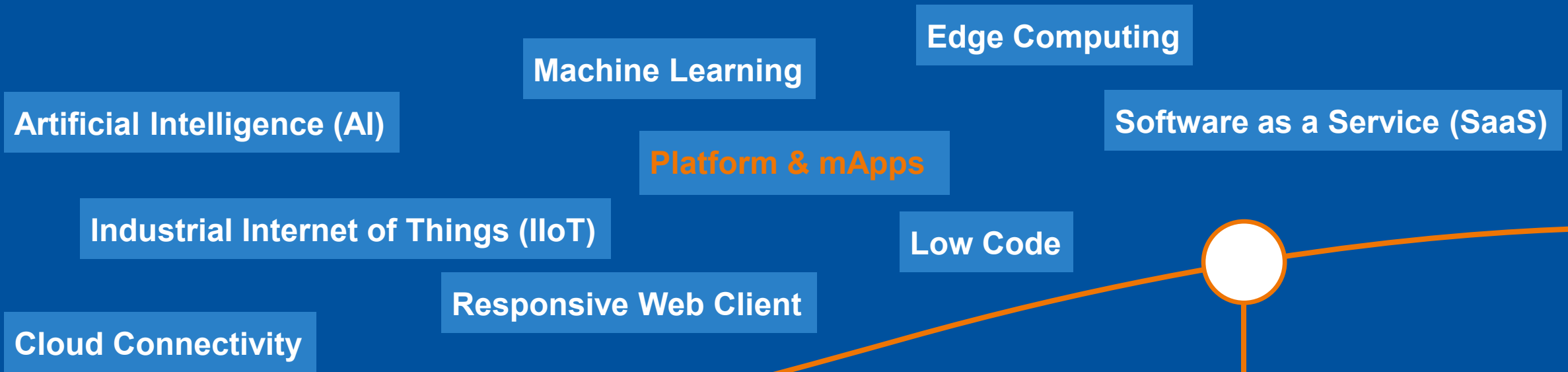
We know the market and understand its influences and needs.

We are thinking today about the challenges of tomorrow.



**Because we make your
company fit for the future**

HYDRA X is made for and geared towards the **Smart Factory** and the **requirements** of the current and future decades!



Because we use cutting-edge technologies

Build your Factory Smart!

HYDRA X is composed of many so-called Manufacturing Apps (mApps) that you can **combine with each other**.

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

You decide in the end which applications 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 mApps from different providers **as you like**.

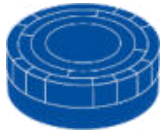
The MIP provides the required **interoperability!**

**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.



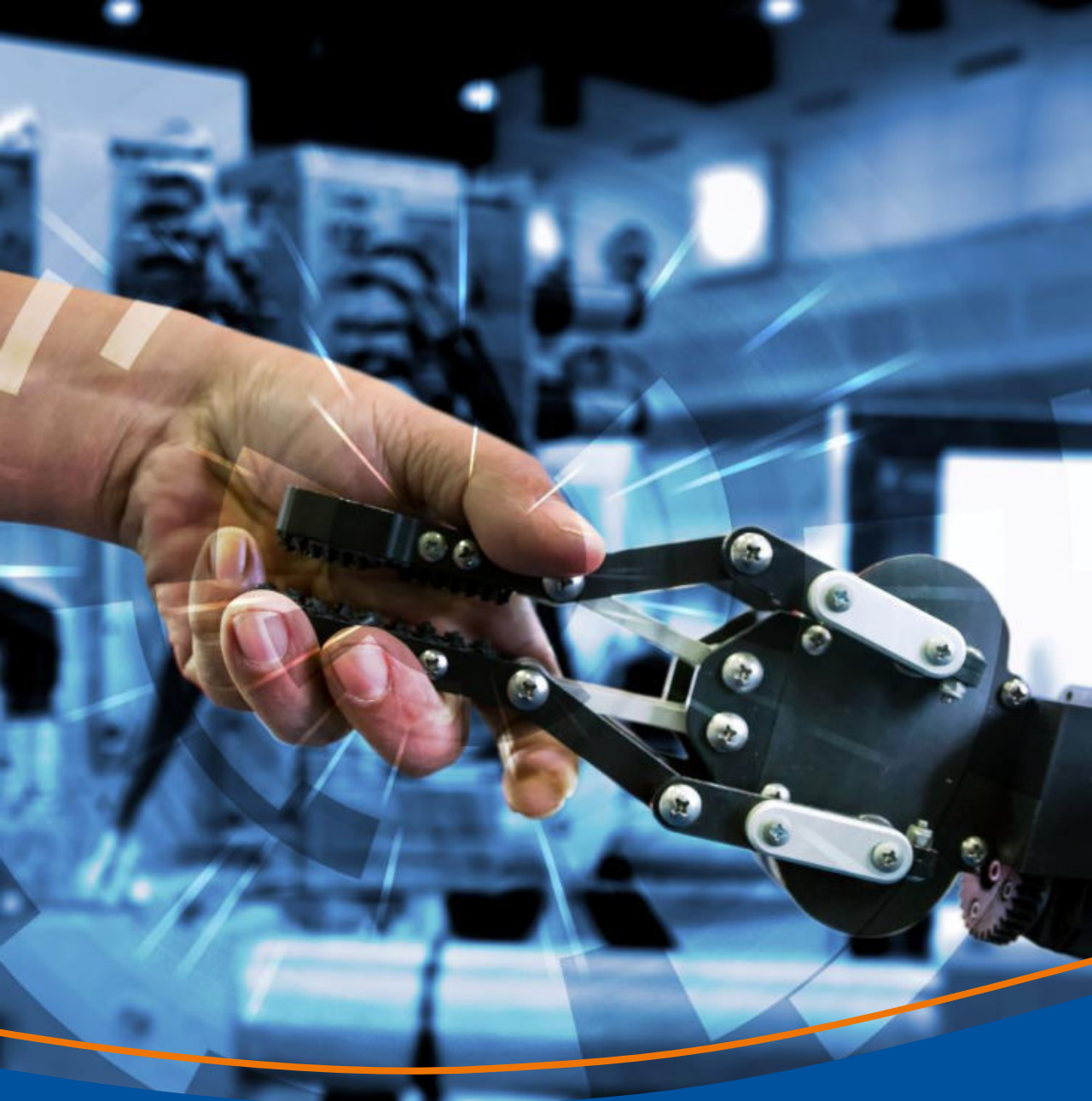
The **innovative platform architecture** enables all mApps to **interact** with each other.



You as the user decide what's essential.



Because HYDRA X is focused on the user



You focus on what **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 ...

Low-Code
Modeling

Web-based Client
Single Page Application
Responsive Design

Web Services
Platform Architecture

Scalability
Performance
Load Balancer

Stability
Maintainability
Security

Cloud-capable
SaaS
Active Directory

Flexibility
Customizability
Acquisition by Design

Compatible with all
common databases

Because your IT department
will fall in love with HYDRA X



Who we are



MPDV Group



530

Employees



13

Locations
worldwide



45

Years on the
market & market
leader for
manufacturing IT



1,485,000

People work with our
solutions every day



2,430

Installations
in all sectors



80 Mi

Euro group turnover

Basic Information

Would you like to learn more about HYDRA X for Process?

FELTEN

A Company of the MPDV Group



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Contact