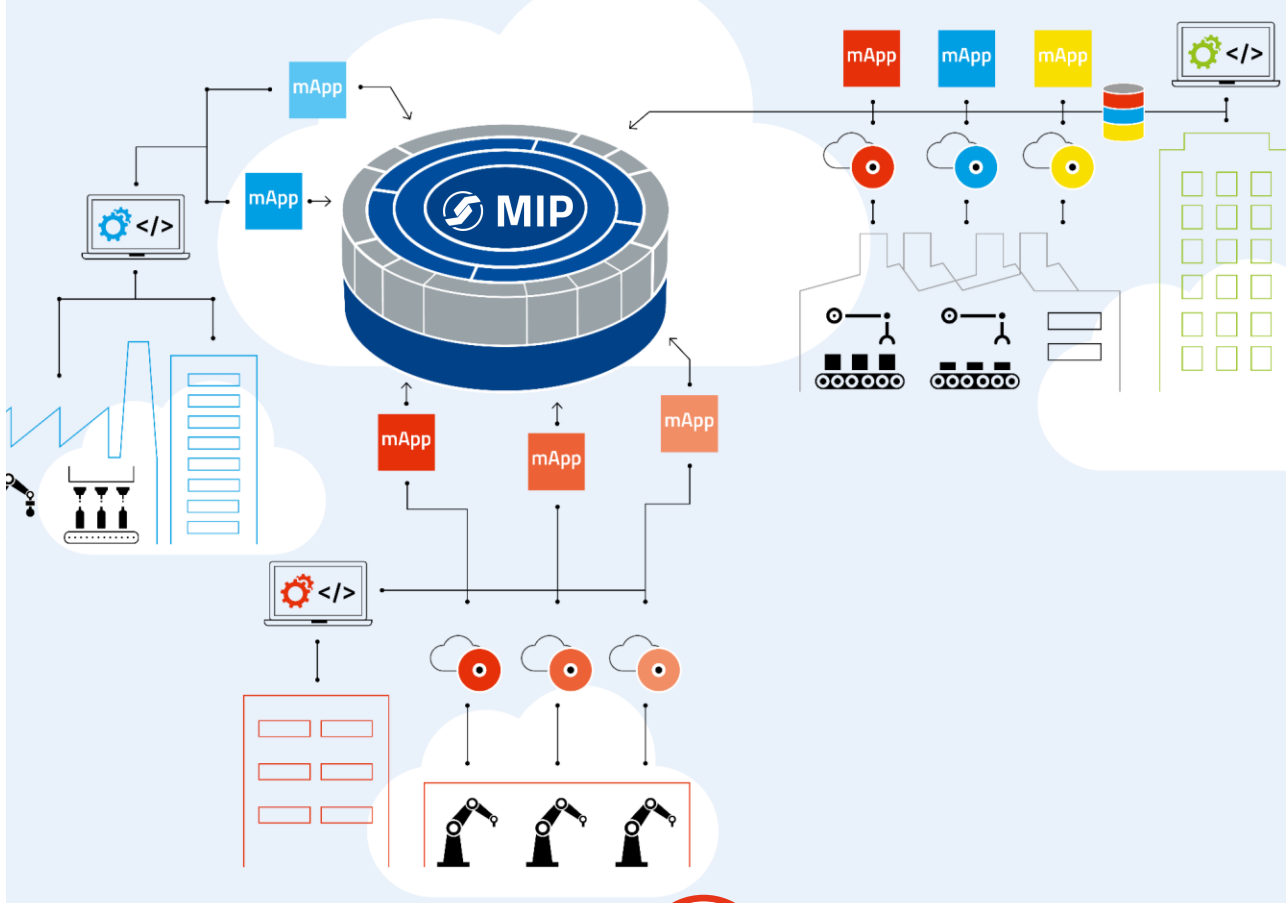
Manufacturing Integration Platform

Overview and Benefits

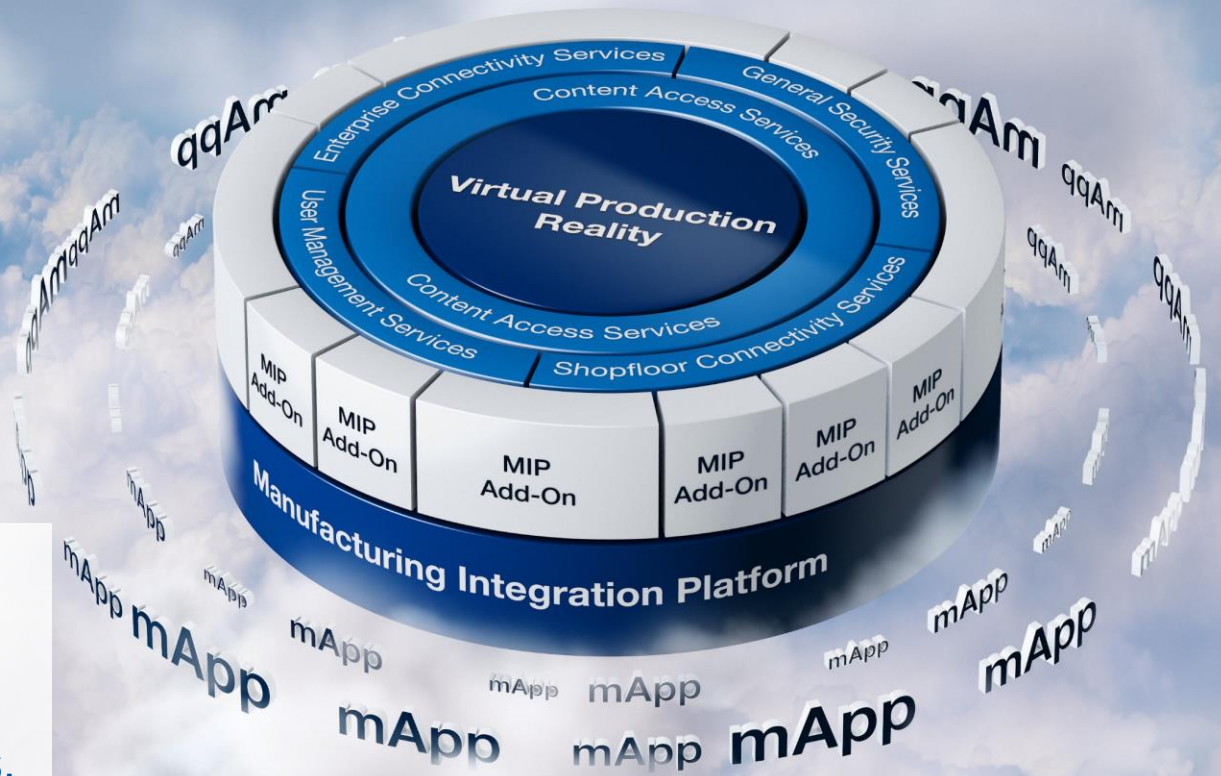
MIP

Manufacturing processes are becoming increasingly **complex**. This is why companies are asking today for **flexible platform solutions** allowing to program applications according to their specific requirements and **to combine** applications from different suppliers.

The Manufacturing Integration Platform (MIP) of MPDV is the first representative of manufacturing IT offering these features.



Why a Platform?



The MIP is an **open platform** for the manufacturing sector. The MIP is used as a central information and data hub in **production** and for all connected processes. All applications communicate using a **common information model** guaranteeing global **interoperability**.

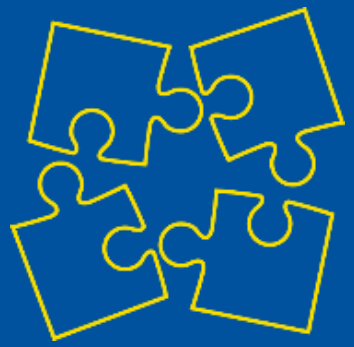
MIP Simply Put

What are the Benefits of the MIP?

This transforms the MIP into an ecosystem of users, suppliers and system integrators providing completely new business models.

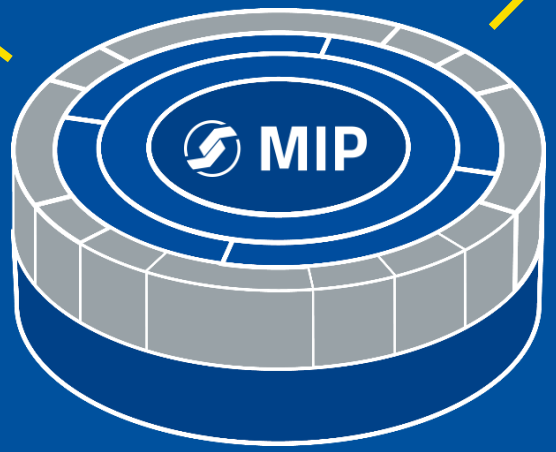
MIP users select from a multitude of so-called **manufacturing apps (mApps)** from different suppliers. These mApps provide different functions and can **be combined according to the users' requirements**.

Companies can **develop** their own mApps and **offer** them on the market. System integrators can create **custom solutions** from available standard applications for their customers.



Open platform architecture
allowing a flexible combination
of applications
of different suppliers

Interoperability
promoting the data exchange
between different systems

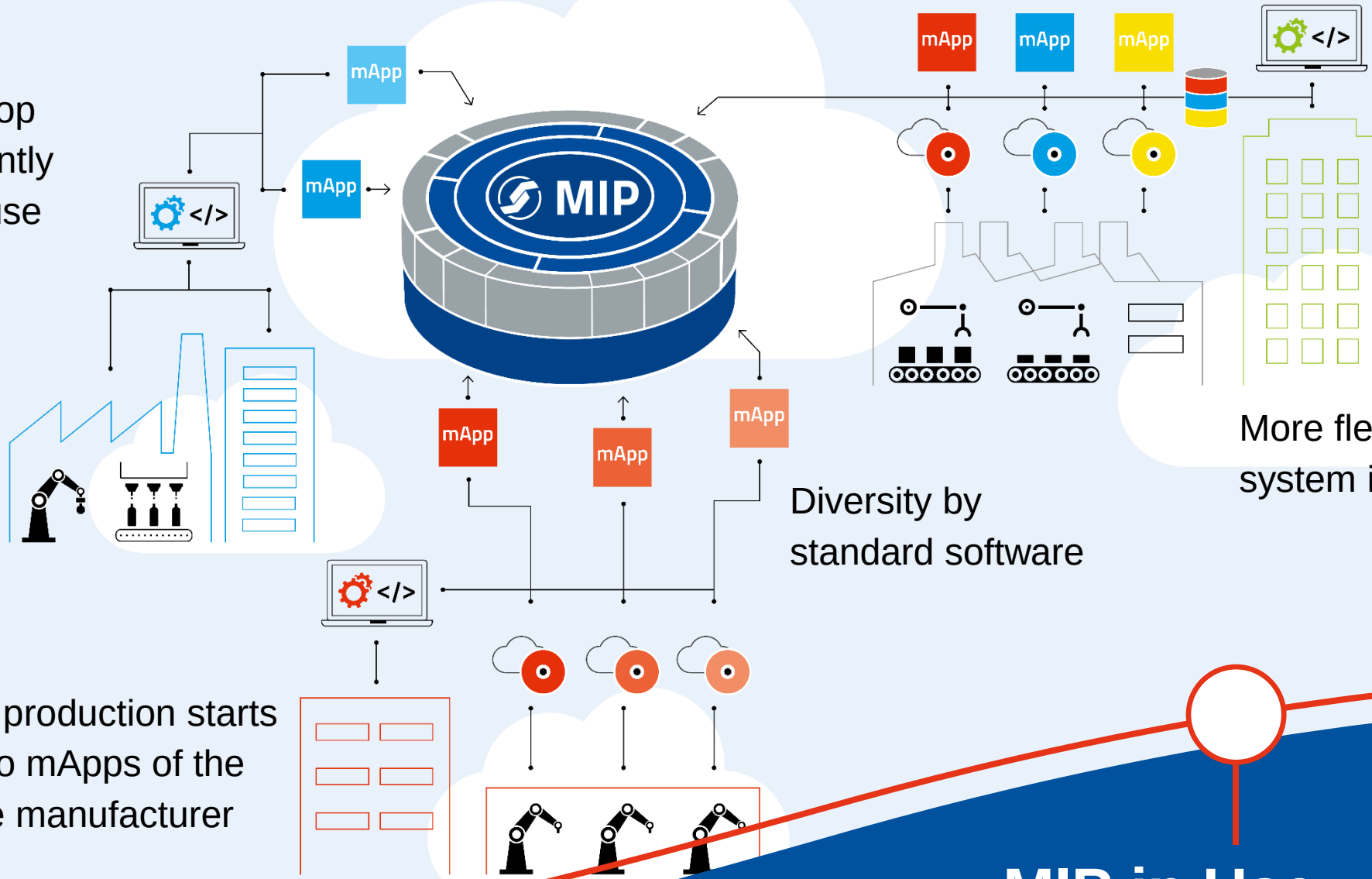


Standard functions
enable targeted data analysis
and the control of production

Increased transparency and efficiency
in production

MIP Benefits

Develop efficiently in-house



More flexibility for system integrators

Diversity by standard software

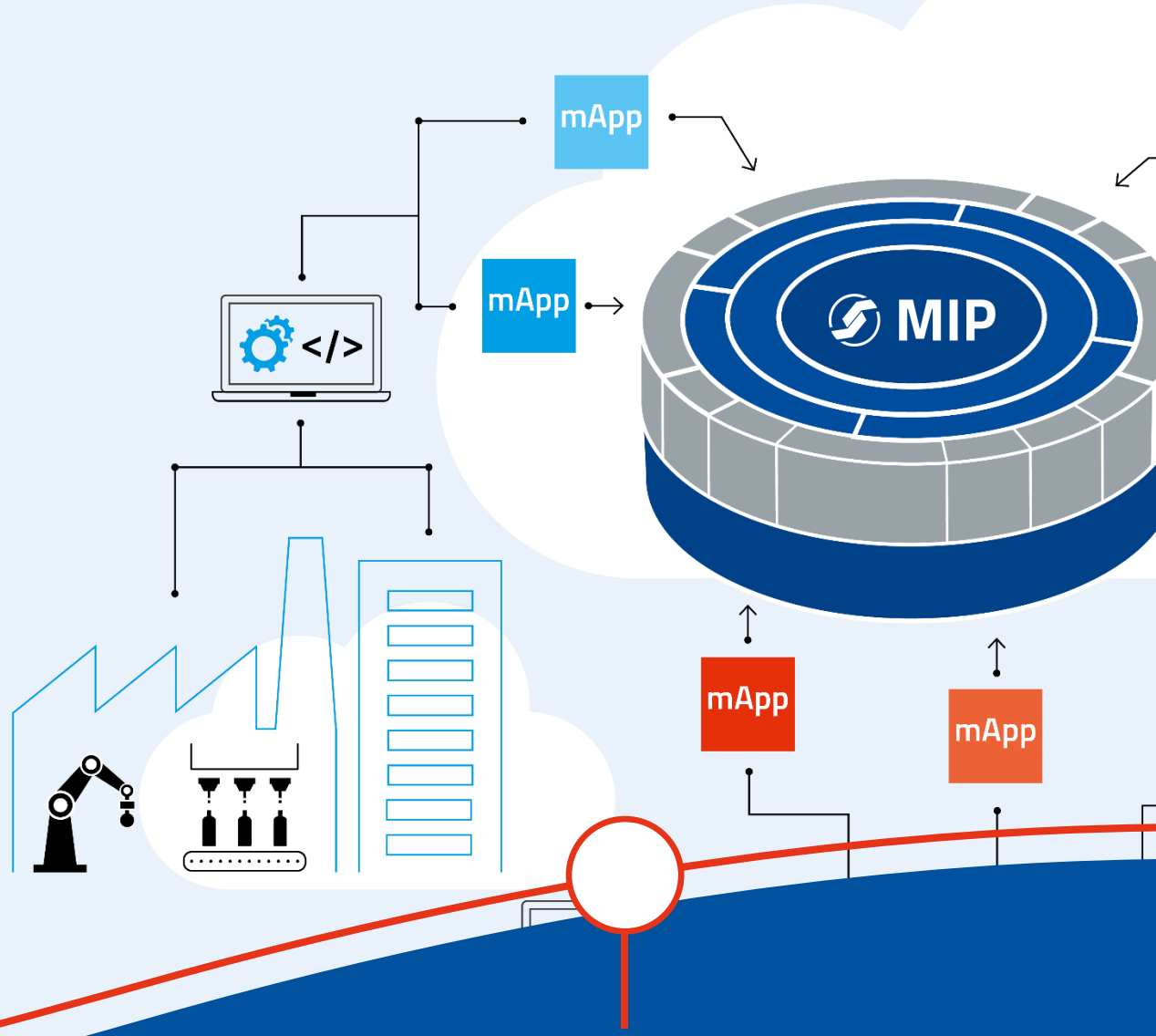
Quicker production starts thanks to mApps of the machine manufacturer

MIP in Use ...
Profit From the Ecosystem

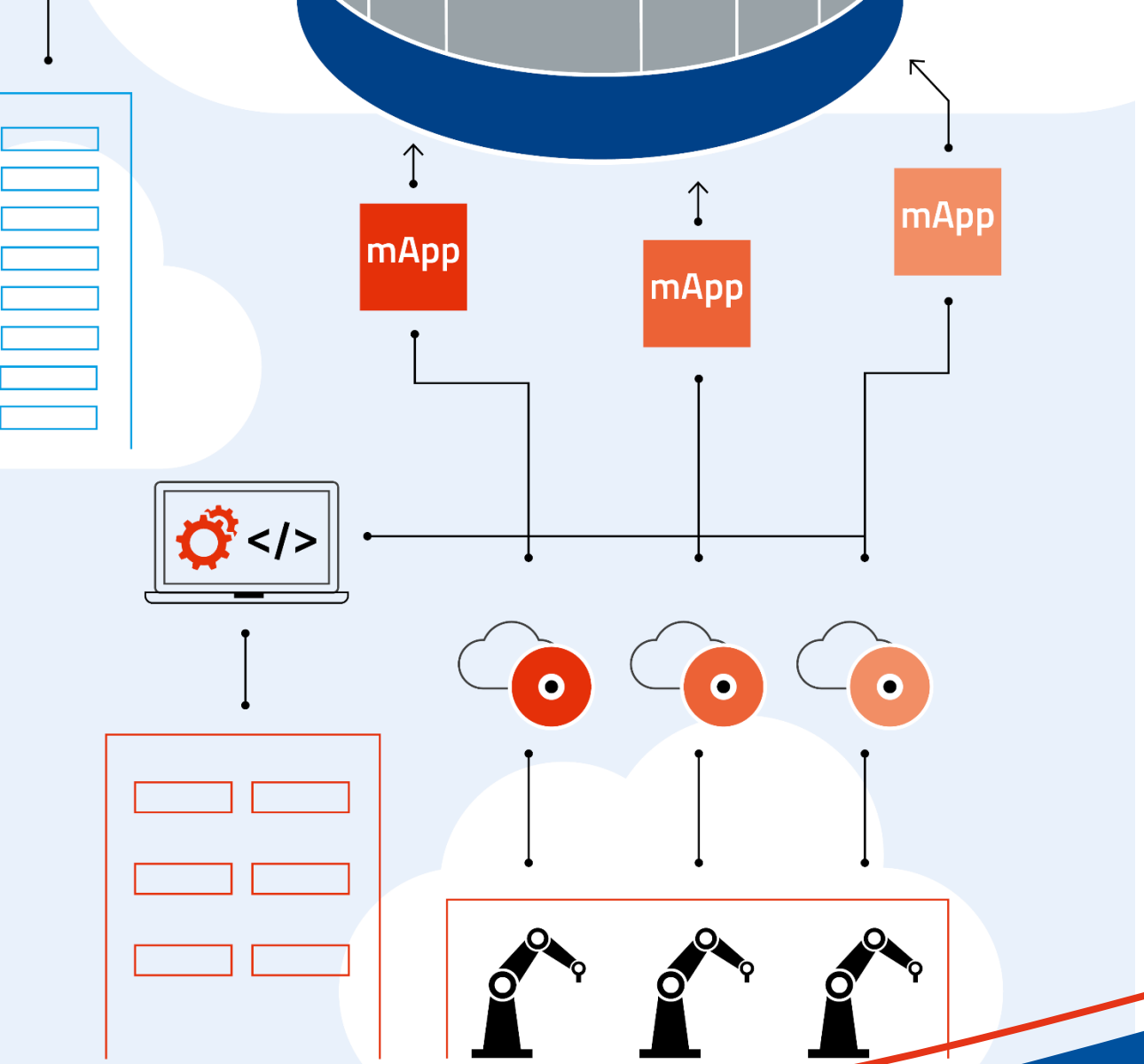
Manufacturing companies and **app developers** can **create applications** for production in no time based on the MIP. They save the time-consuming process of setting up a structure for data storage – with the MIP, it's all-in.

The MIP enables **off-the-shelf software** suppliers to **integrate** their applications with a rich **ecosystem** for the Smart Factory.

Legacy systems can also be easily **connected** to the rest of the **IT landscape** with the MIP.



Develop Efficiently In-House



Manufacturing companies that buy a **new machine** expect the machine manufacturer to deliver a software which **easily integrates** the machine into their IT environment - the MIP can exactly do this as a **universal interface**.

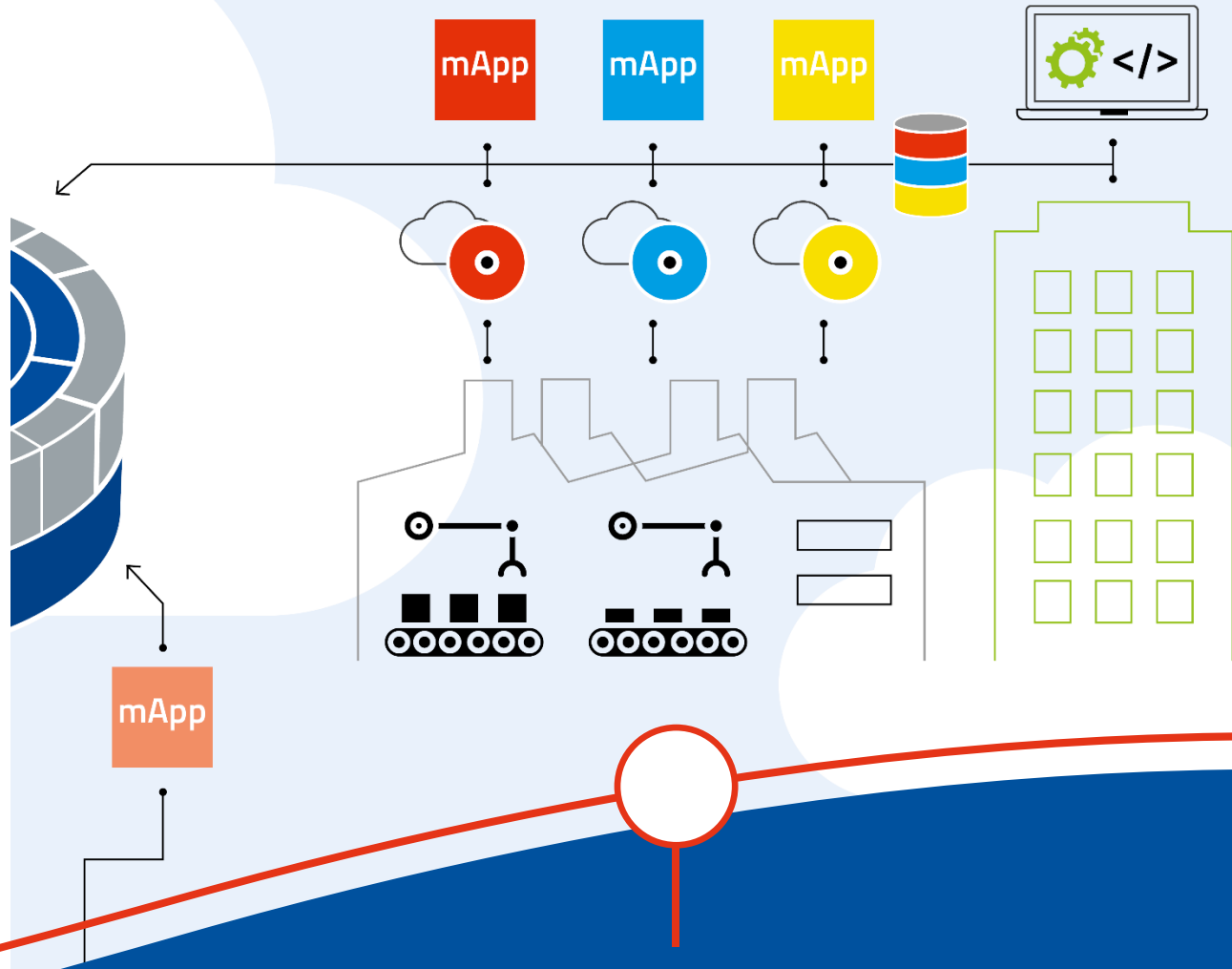
The MIP also offers new opportunities for machine manufacturers to provide for example their **own mApps** to collect or visualize machine data for this MIP.

mApps From Machine Manufacturers

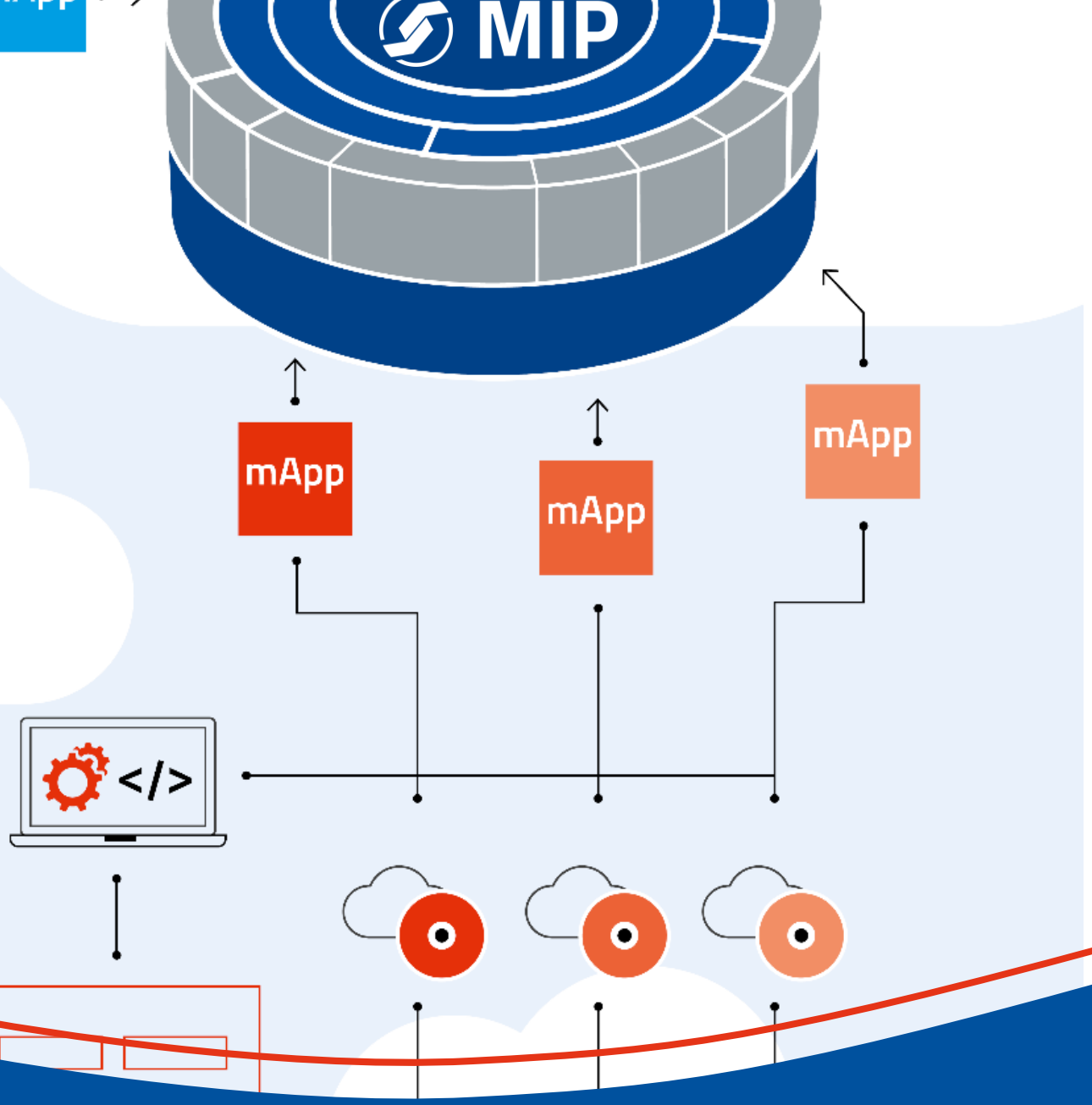
System integrators can **combine** different MIP applications thereby creating **custom solutions** for their customers.

The task of system integrators is to turn applications of **different manufacturers** into a **complete solution** that contains all required elements. They can use the **universal interface** of the MIP to **quickly and easily** integrate solutions of different suppliers.

For example, the planning tool from supplier A can be combined with a time and attendance system from supplier B.



More Flexibility For System Integrators



Based on the MIP, **standard applications** from different suppliers can be easily **integrated** into the Smart Factory **ecosystem**.

"Everyone delivers what they do best" - many small building blocks (**micro services**) make up the big picture (**individual** standard solution).

This reduces **vendor lock-in** and provides more **flexibility**.

Variety By Standard Software

"The MIP provides an unprecedented flexibility when selecting suitable manufacturing IT. We are proud that LANA Process Mining can be used to automatically analyze possible savings in production and that we can make an innovative contribution to the ecosystem thanks to Machine Learning."

Karina Buschsieweke, co-founder & managing director of Lana Labs

"The MIP is the brain of our manufacturing."

Satisfied MIP customer

MIP

What Our Partners & Customers Say

About MPDV

Market leader

for IT solutions in production

Over

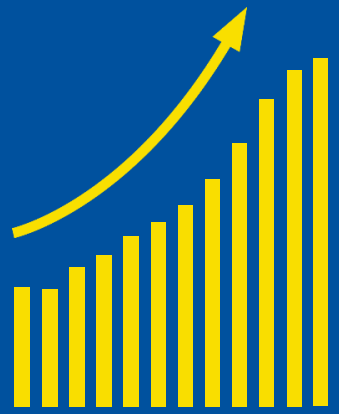
45 years

project experience

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

regardless of your size and industry

Who are we?

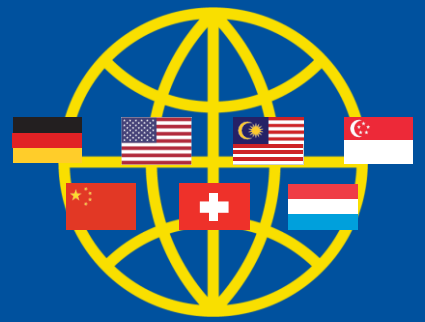


73 Mil

Euro group turnover

520

Employees



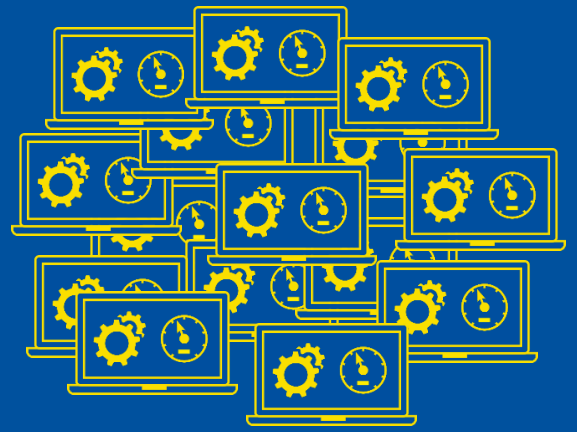
13

Locations worldwide

Basic Information

100,000

Machine connectionss worldwide



1,100,000

People work with MPDV systems every day

1,750

Installations

Basic Information

Would you like to find out more about MIP ?

WE CREATE SMART FACTORIES

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Contact