Welcome to
HOFFMANN
Connect

What does **HOFFMANN** *Connect* offer?

HOFFMANN
Maschinen- und Apparatebau GmbH

MindSphere
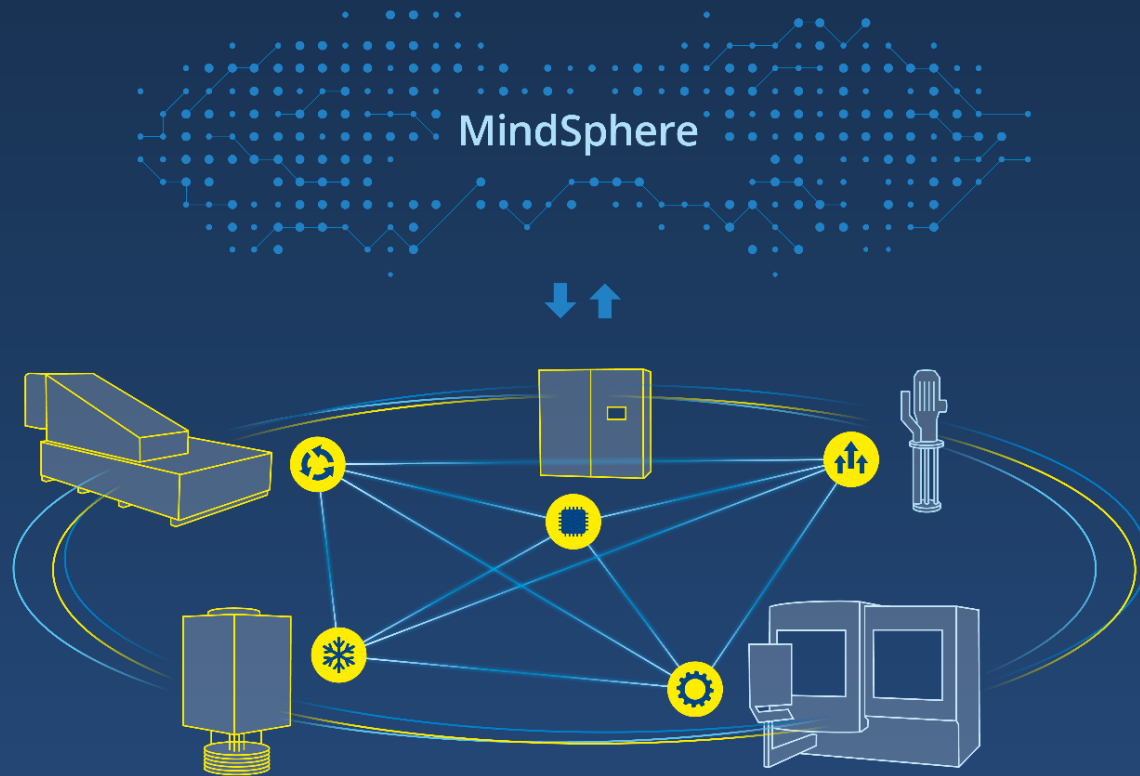
HOFFMANN offers a software-based solution that lets you have a direct line to our service.
HOFFMANN will inform you individually about the required maintenance work as needed.
HOFFMANN is quickly informed in the event of machine breakdowns

All this helps you to avoid

- unplanned plant failures,

- reduce maintenance costs,

- increase plant availability,

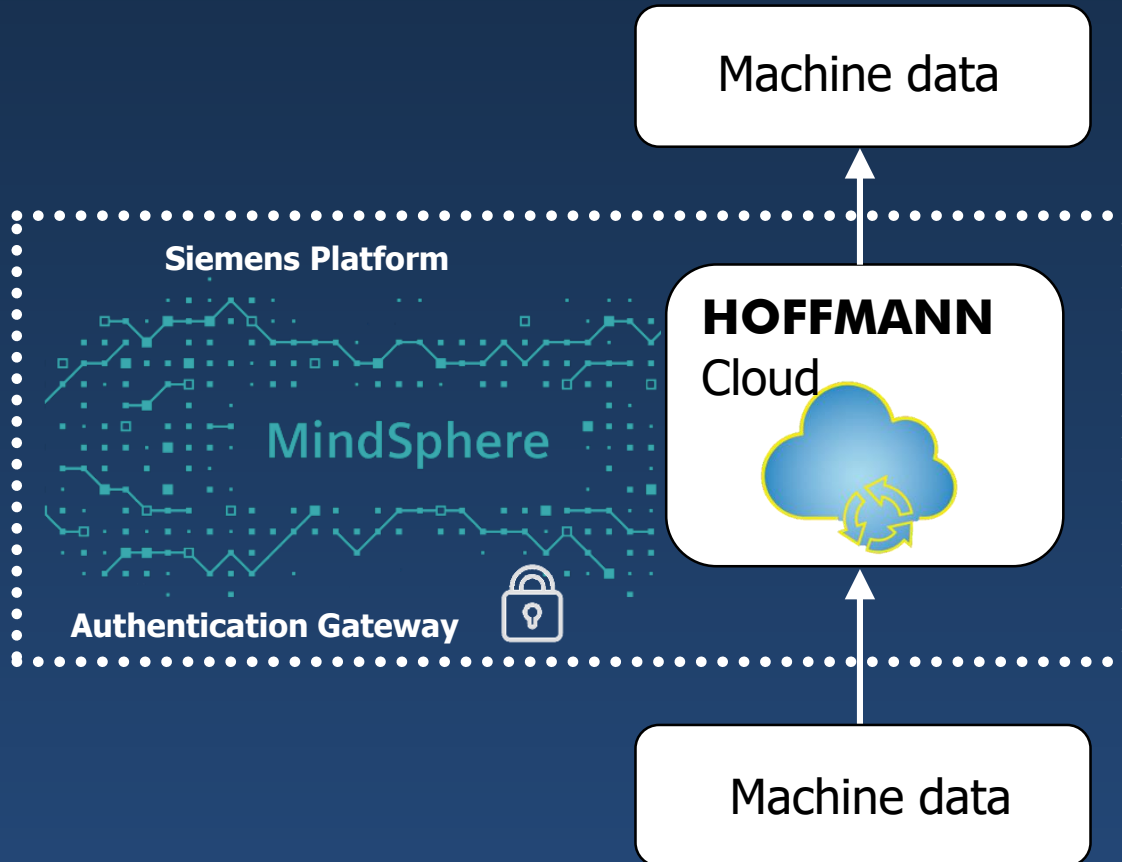- extend the life of machine components.

HOFFMANN offers the possibility to retrofit filter systems with a well-proven networking module from SIEMENS.

When a secure Internet connection is provided, selected machine data is sent to the cloud-based **HOFFMANN**service solution. These data are analyzed individually.

Typical recorded machine data are:

- Pressure of the pumps

- Fill levels of the tanks

- Wear data of machine components

- Temperatures of the media, the control cabinet, and the environment

What about security?

HOFFMANN
Maschinen- und Apparatebau GmbH

Machine data

Siemens Platform

MindSphere

HOFFMANN Cloud

Authentication Gateway

Machine data

Our service solution processes the selected machine data on the secure SIEMENS platform "MindSphere", a cloud storage.

No data is sent back to the system, there is nothing but encrypted "read-only communication", to protect man and machine.

Within the Siemens "MindSphere" platform, **HOFFMANN** has a separate section, the so-called **HOFFMANN** Cloud.

The machine data thus remains in Germany.

Siemens ensures compliance with all safety regulations regarding
IEC 62443 (hardware and software components) and
ISO / IEC 27001 (information security management system).
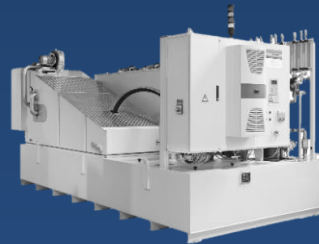
Your direct line to the **HOFFMANN**service
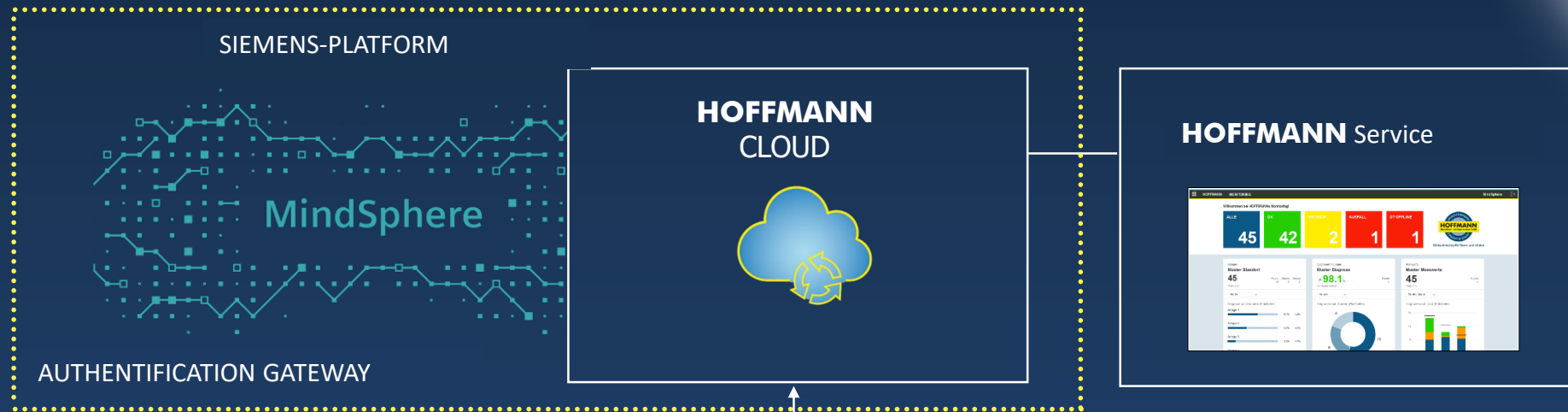
Scope of delivery and installation

The **HOFFMANN IoT kit** for networking includes:

- Networking module MindConnect Nano

- Extended sensor technology and components depending on equipment level or requirements

You as the operator only provide the data transmission of your choice, whether linked to ethernet or via mobile network, as well as a central emergency number.

The IoT kit is mounted on the system exclusively by **HOFFMANN**employees. The following measures are implemented in the course of it:

- Attaching additional sensors

- Attaching the IoT kit to the machine

- Establishing the connection of the IoT kit interface to the HOFFMANN filter system PLC

- Commissioning; and instruction of the emergency contact person

Reasons for data analysis by **HOFFMANN**

- ✓ Fast and secure condition diagnostics

- ✓ Increasing the availability of production

- ✓ Cost savings through remote diagnostics and targeted troubleshooting

- ✓ Recognition of potential savings in operation

Support and service

If you have any questions, please call us at +49 5344 9009-0 or send us an email to connect@hoffmann-filter.de