

News and Innovations March 2026

How can existing machines be made fit for the next 10 to 20 years without replacing them?

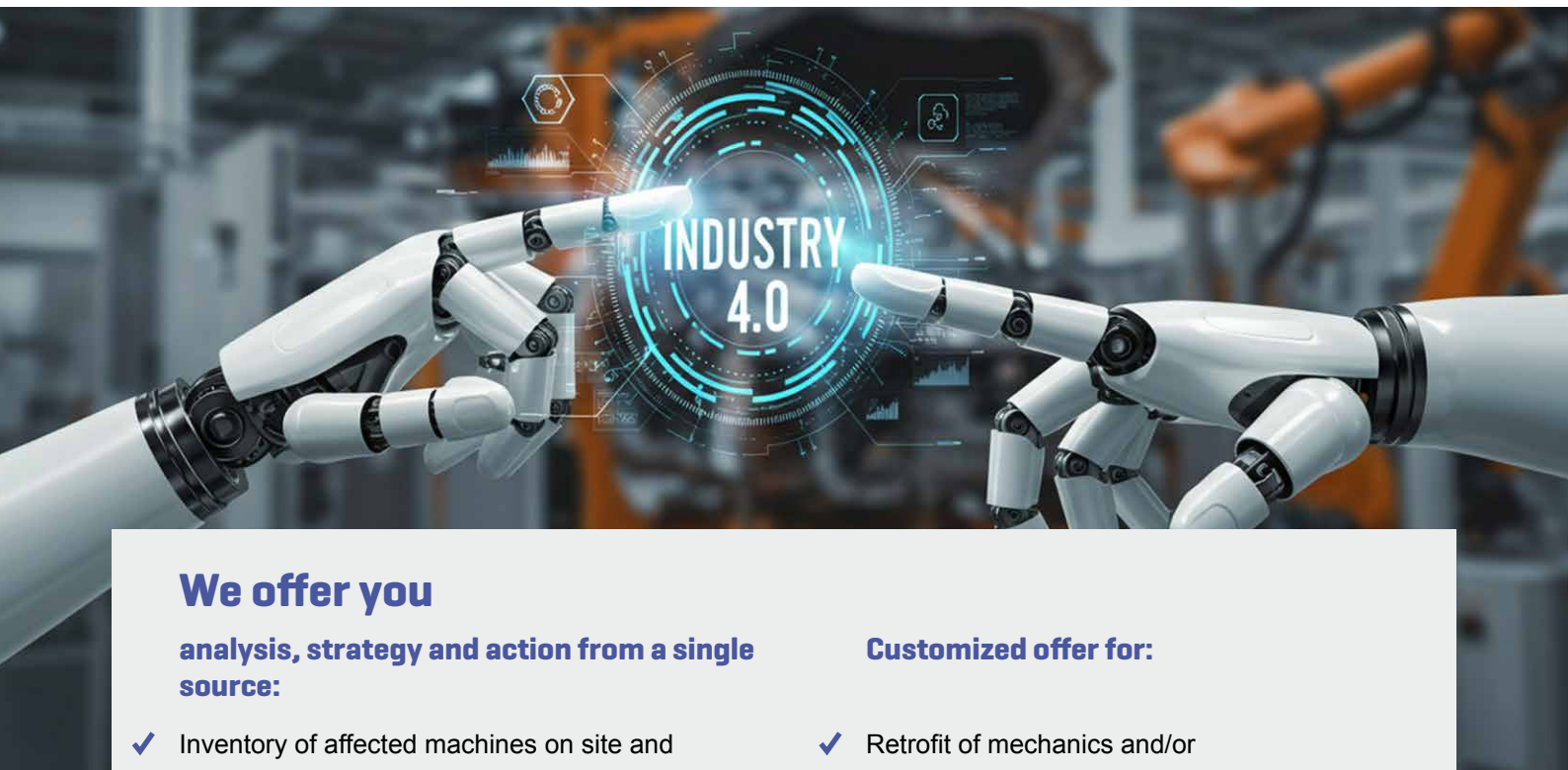
## Our solution: targeted retrofitting



Many production machines are robust, reliable, and economically depreciated – but not networked. Retrofitting specifically adds sensor technology, data acquisition and interfaces, making them digitally visible step by step without changing their basic functions. It is usually **more cost-effective than purchasing new equipment**.

It is important to distinguish between two retrofit approaches:

- **Life-sustaining retrofit:** Brings the system up to the latest state of the art in terms of its basic functions.
- **Industry 4.0 retrofit:** The basic functions of the machine remain unchanged, while it is gradually digitized – from simple process data acquisition to complex applications.



### We offer you

#### analysis, strategy and action from a single source:

- ✓ Inventory of affected machines on site and identification of retrofit and digitization potential
- ✓ Creation of a customized checklist of necessary measures, with special consideration given to the new EU Machinery Regulation 2023/1230 (control system modernization, AI, cybersecurity, etc.)

#### Customized offer for:

- ✓ Retrofit of mechanics and/or
  - ✓ Retrofit of software to Industry 4.0 level:
    - Production data acquisition
    - Process optimization
    - Occupational safety
    - Maintenance planning
    - Cybersecurity, AI, etc.
- in compliance with EU Machinery Regulation 2023/1230 (see page 2 for details)

## Targeted retrofitting for existing machines

### Your benefits:

- + **Retention of machine structure and certification status**  
provided that no substantial modifications are made and the core functions are retained.
- + **Significantly lower training costs and fewer production interruptions**  
than with new systems.
- + **Minimized investment and downtime risk:**  
Step-by-step modernization protects investments, reduces downtime, and enables continuous production.

Through our integration into the Pütz Group – in particular, our collaboration with the specialists at Pütz Prozessautomatisierung GmbH – you benefit from our many years of experience in the field of automation technology.

At Micro + Hega Surfaces GmbH, we combine this automation expertise with our many years of experience as a partner and service provider in the field of pioneering deburring and surface technologies as well as industrial cleaning technology.

## Ready for the new Machinery Regulation 2023/1230

As of January 20, 2027, the **EU Machinery Regulation 2023/1230** will apply to all new machinery placed on the EU market. Machinery must then be designed to withstand unauthorized access or tampering that could compromise safety-critical functions.

As machine builders, we are already taking these requirements into account today and integrating protective measures to ensure the safe design, manufacture, and use of machines - while considering digital technologies and the complexity of modern manufacturing.

However, design plans, software architecture, and network integration points must be reevaluated whenever a significant change is made to the machine that affects its safety or function. Clear guidelines and documentation on cybersecurity will also be required.



**Our employees are already being trained today to reliably implement all requirements.**

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