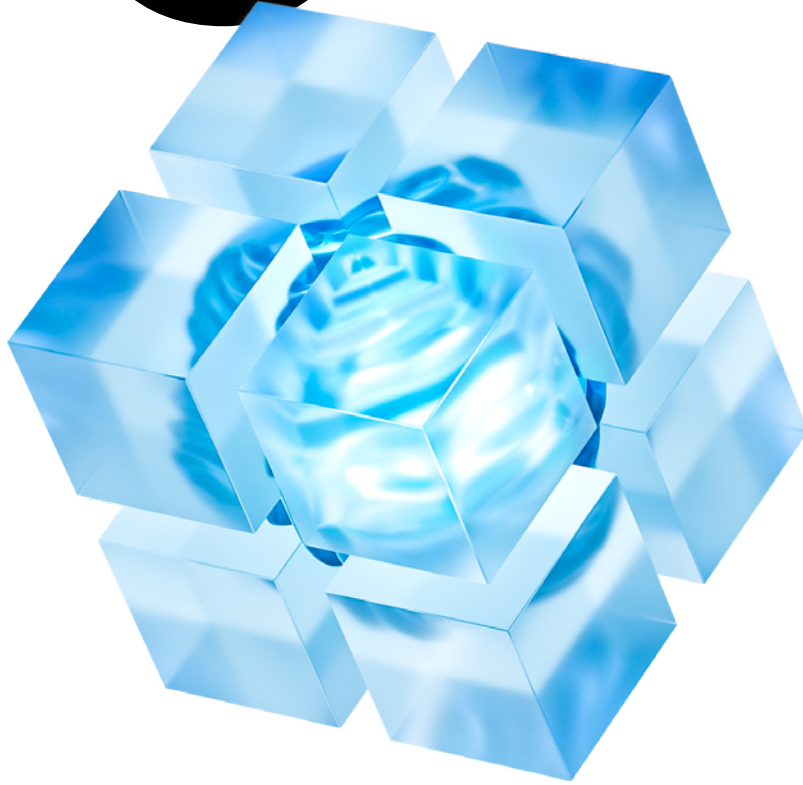**Digital Solutions**

IPC

Benefits at a glance

- Physical extension of your classic control system/hardware
- AI-based automation
- Real-time communication with your control system
- Utilizing multiple apps/frameworks to host customer application
- No cloud connection required: on-premises solution
- Independent from control system type
- Local, cyber-secure operation

Everllence

AI-based solutions for industrial automation

Overview

In today's competitive ever-evolving digital landscape our clients encounter challenges as diverse as their operational processes. To address these demands with precision, we have engineered the on-premises AI-based control system extension Industrial Personal Computer (IPC). It is designed to complement our advanced and intelligent automation solutions while improving your security.

This boost in performance allows you to fully utilize the capabilities of our digital solutions and the power of artificial intelligence (AI). Connected directly to your control system via a secure and reliable communication channel, the IPC acts as the perfect extension.

One of the many advantages of this solution is that it works independently of the underlying process application and almost independently of the control system – except, of course, in terms of communication and the provision of data.

In short, this means that updates to the control system extension will not affect the plant process, and that the system is not limited by the scope of intelligent automation solutions available at delivery.

This gives you the flexibility to later adjust or expand the scope of ordered intelligent automation solutions according to your needs, including integrating solutions released after commissioning.

General

- Control system with powerful computational capacity
- Versatile control system extension that runs locally on industrial personal computers (IPC)
- Expandable and customizable on-premises hardware solution: can be easily updated, new solutions can be integrated
- Allows full benefit of digital solutions
- Connected directly to your control system via secure and reliable communication channel

Main features

- SIMATIC IPC by Siemens
- Highest degree of performance with Intel processors
- Up to 128 GB DDR4 work memory
- GPU expandability for high performing solutions
- Linux-based OS
- Reliable 24/7 continuous operation at harsh ambient temperatures up to 55 °C
- Long-term availability
- Programmable Logic Controller (PLC) runs independently from IPC
- Available function / apps: Compressor Performance Monitoring app, Heat Exchanger Performance Monitoring app, online lube oil quality monitoring, virtual sensors

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