NOA – Next Open Automation
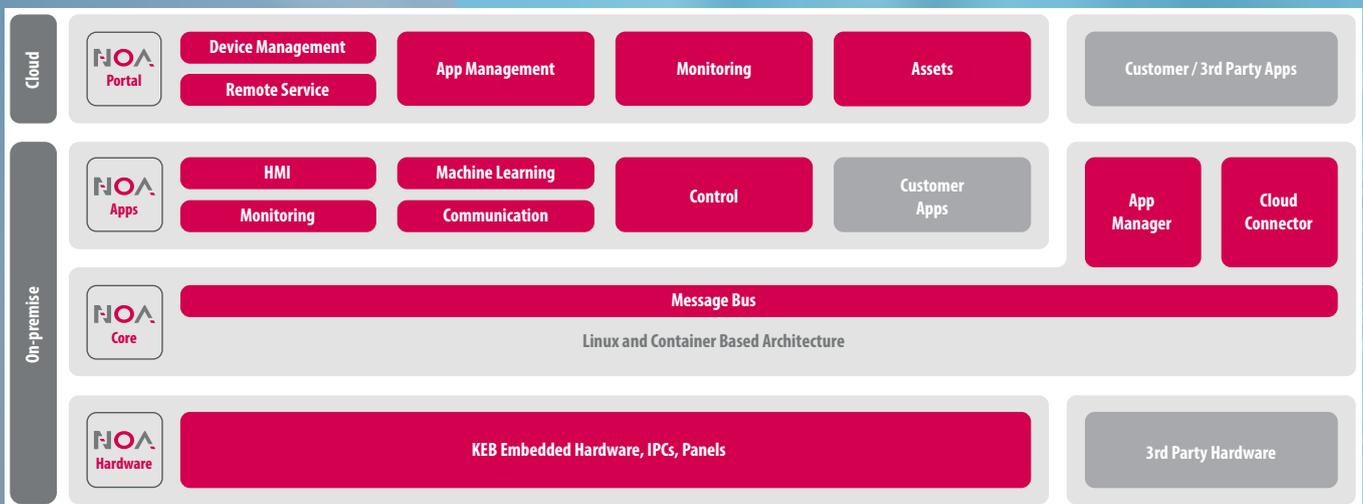
AUTOMATION & IIOT PLATFORM

EN

NOA

Next Open Automation

REALLY OPEN. TRULY FLEXIBLE. FUTURE PROOF.

Machines and systems rethought: As a platform, NOA offers the possibility of designing your own automation solutions on the basis of open systems. In addition to hardware and software products from KEB, the concept can be easily expanded – through the user's own expertise or the integration of third-party providers.
This means that basic elements can be simply supplemented with knowledge from specialised companies.

- Hardware-independent
- Future-proof, truly open architecture
- Add your own and third-party applications
- Increased flexibility
- Linux and container-based architecture

Cloud	NOA Portal	Device Management	App Management	Monitoring	Assets		Customer / 3rd Party Apps
		Remote Service					

On-premise	NOA Apps	HMI	Machine Learning	Control	Customer Apps		App Manager	Cloud Connector
		Monitoring	Communication					

	NOA Core	Message Bus
		Linux and Container Based Architecture

	NOA Hardware	KEB Embedded Hardware, IPCs, Panels	3rd Party Hardware

The core infrastructure on the edge component (NOA Core) is based on a Linux and container-based architecture and can be used on embedded hardware, IPCs and panels from KEB or 3rd party devices. The App Manager is used to operate NOA apps such as solutions for HMIs, machine learning (anomaly detection and predictive maintenance), monitoring and control systems as well as customised or 3rd party apps.

Apps and devices can be managed across locations in the optional cloud component (NOA Portal). NOA is also customisable as a white label version for OEMs and end customers to enable business models such as "automation platform-as-a-service".

Your advantages

HIGH TRANSPARENCY AND MACHINE AVAILABILITY

Progress can be seen in many details. It is summarised in one name:
NOA. Make more out of your machine data.

KEB

ONE PLATFORM, MANY OPTIONS

- Optimised processes
- Complete transparency of locations, systems, machines and processes
- Increased machine availability
- New business areas and models
- Use ready-made modules or create your own custom apps

OPEN AND SCALABLE SOLUTION
THE AUTOMATION PLATFORM AS A SERVICE WITH A FUTURE-PROOF ARCHITECTURE.

WHAT IS NOA?

Rethink machines and systems

As a manufacturer, NOA offers you an easy to use basis getting started with flexible and modern machine and system concepts, from the optimised use of data to the integration of your own applications.

The automation platform

- NOA is an open and flexible platform for automation and IIoT
- Toolbox for customers to implement their requirements
- Optional IIoT portal for an easy entry into the world of IIoT and Industry 4.0

USE CASES

How to use NOA in practice

- Condition monitoring and diagnostic options
- Predictive maintenance
- Intelligent alarming
- Device and fleet management
- Remote service
- Integration of your own functions/apps
- As an OEM, you can offer your customers a white-labelled automation platform

#rethinkIIOT
MONITORING, CONTROLLING AND OPTIMISING YOUR MACHINES AND PRODUCTION SYSTEMS.

SYSTEM SOLUTION

How can you utilise the Industrial IoT?

KEB Automation provides you with automation solutions for your your machine and your production as well as for the processing and and evaluation of the generated IIoT data from a single source.

As a well-known supplier of drive and control technology, we offer a full range of automation solutions. Whether plastics machinery, woodworking, process technology or intralogistics – KEB is the source for a complete solution from control systems, HMIs and drives to motors, gear units and brakes.

"NOA is the flexible automation and IIoT toolbox with which you can optimally realise your solution."

UWE HUBER
Head of HMI and IIoT Development

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