

LOTOS.

INDUSTRIAL DIGITALIZATION



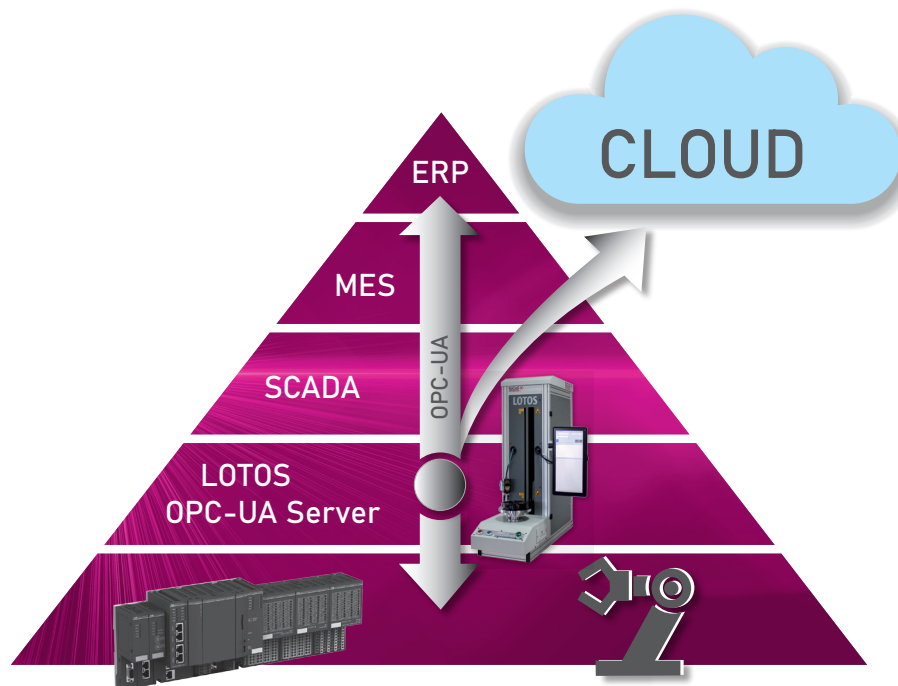
LOTOS - Industrial IoT with OPC UA - a new level in industrial automation

The advancing digitalization and its implementation are among the greatest technical challenges of our time. Whether in terms of networking and standardization or IT security, the demands on industrial networks are increasing rapidly. In order to keep up with the latest standards, companies must meet the highest requirements. However, those who want to be among the winners should always be one step ahead.

The central challenges of Industry 4.0 or the Industrial Internet of Things (IIoT) are security and standardized data and information exchange between machines, devices and services from a wide range of nodes. This requires compatible,

consistent and secure industrial networks that can be flexibly scaled and dynamically adapted with the highest real time communication. And this with an enormous number of nodes in the network.

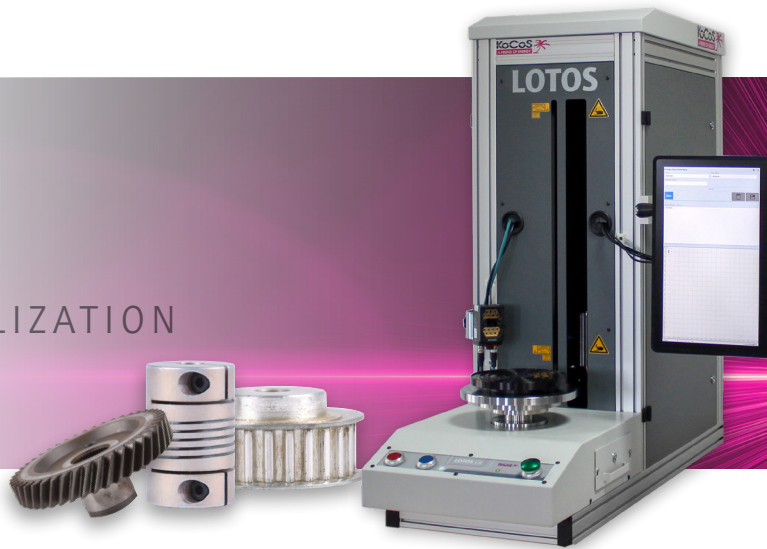
With OPC UA, the implementation of all these complex challenges is already feasible today and not just a vision for the future. The open interface standard OPC UA is not only independent of manufacturer or supplier, but also of the respective programming language of the software and the operating system on which the corresponding application runs.



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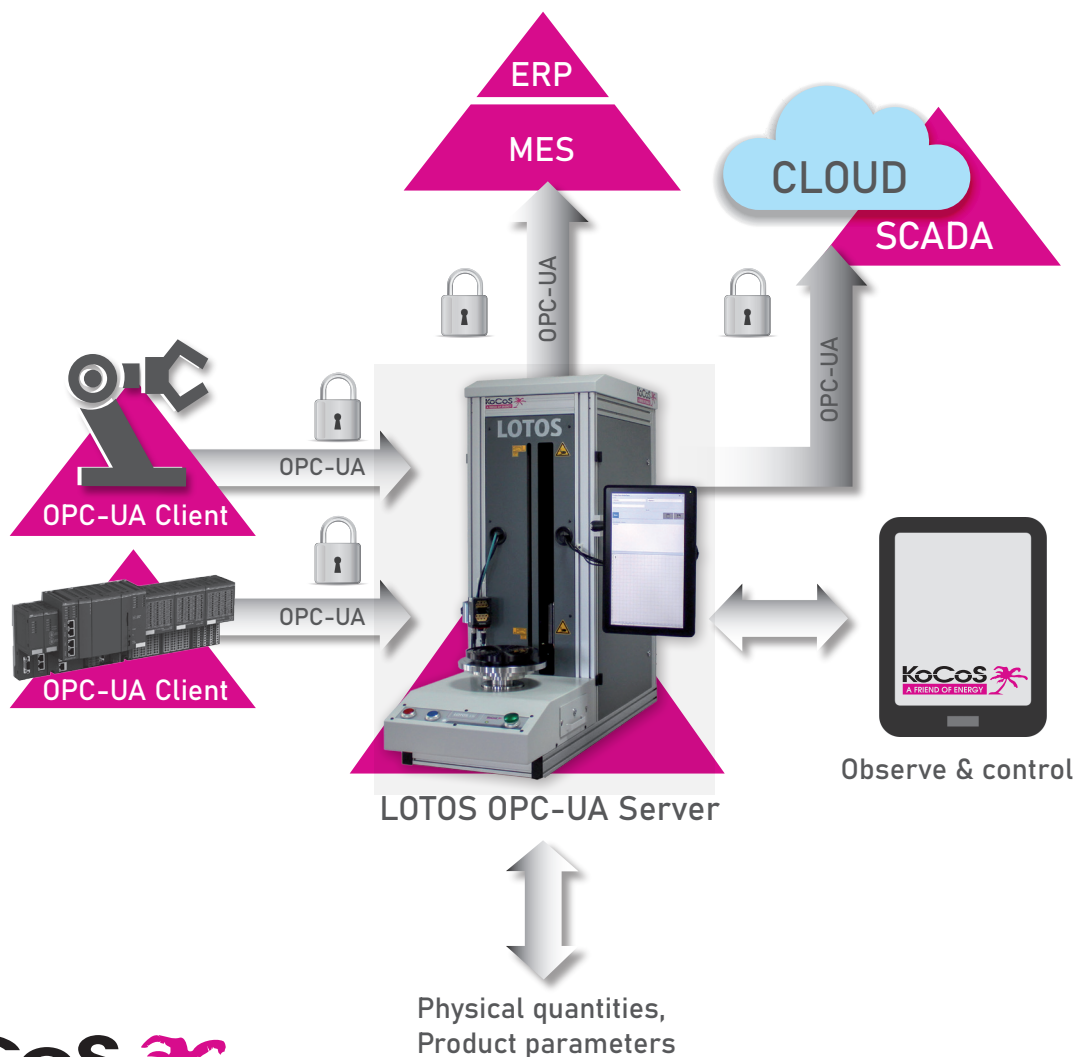


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OPC UA thus creates the interface between the IP-based IT world, production, down to the lowest level of machines and devices. A multitude of different interfaces, gateways and the associated loss of information and time are thus eliminated. All data of the entire production cycle is transferred and processed via a single protocol - whether from machine to machine or into higher-level data and control systems.

KoCoS therefore relies on OPC UA as a future-oriented interface from the machine and control level and higher-level SCADA, MES and ERP systems through to the cloud.

Rely on the digitalized factory of the future with product and process inspection using LOTOS 3D measuring systems, acting as an OPC-UA server.



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