
The KUKA Consulting approach for Industrie 4.0

»KUKA Consulting has developed a stringent model for customized solutions.«

Industrie 4.0 Accelerator Team

»If you always do what you always did, you will always get what you always got.«

Albert Einstein

»Let’s start to do things differently together.«

KUKA Consulting

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www.kuka.com/industrie40-consulting

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Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of actual functionality. The actual extent of goods delivered and services performed is determined by the specific terms of the specific contract. No liability accepted for errors or omissions.
Business Model Innovation
Innovative products and solutions arising from Industrie 4.0 approaches call for a new mindset on value creation and distribution. Not only technological change, but also new customer and other stakeholders in the extended ecosystem matter. Consolidating market position in the age of digital change hinges on developing yourself apart from the crowd with services, tapping new sales channels, or establishing new payment models.

IT Security
Networked networking of machines and industrial systems generates new threat scenarios for manufacturing and digital companies. Not even individual “smart” components may be targeted by cyber criminals. So it is good to know that KUKA can come to the rescue. With the security consulting of our project partners, we offer line operators and component manufacturers tailored threat and risk analyses that they can use to assess the current security situation.

IT Architecture
How complex issues related to IT infrastructure in general arise in the wake of digitization and Industrie 4.0. Safeguarding the security and interaction of the various layers of IT systems in the form of a visualization solution is crucial for the customer’s procedure optimisation. Combining the security consulting with the customer points for optimization by integrating Smart Processes and IT Architectures will ensure the customer’s objectives through Industrie 4.0-focused automation solutions, individual potentials through digital infrastructures and offers the necessary solution expertise with the right partners.

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Smart Processes
Process chains in modern production and logistics systems offer further existing points for optimisation by integrating, for example, in-depth industry and technical know-how. Industry and technical know-how is essential for the analysis and development of “smart” processes. Along with our consulting experts, we ensure that the new potential in our customers’ systems is fully utilised. Material flow optimisation and the services of material flow systems are further starting points for process optimisation. Digitization in production and warehousing has already reached an advanced stage at many companies. Yet even individual “smart” processes and solution modules are now specifically implemented as part of an integrated system design. But which of these solution modules are already firm fixtures in the business portfolio? In which of these modules can we use our technical know-how and experience for 3D system visualisation and analysis, condition monitoring, or material flow optimisation? Thanks to fast, efficient prototyping, we do not beat about the bush, but try things out as quickly as possible, offering only uncertain outcome and costs. Yet even individual “smart” processes are already important in the age of digital change. To make yourself a pioneer, KUKA also implements its own solution concepts in production at the Augsburg site.

Prototyping & Simulation
Many enterprises are very cautious when it comes to implementing Industrie 4.0 projects, considering them to be too expensive and time-consuming, and offering only uncertain outcomes and benefits. Thanks to fast, efficient prototyping, we do not beat about the bush, but try things out as quickly as possible, together with a cross-disciplinary team. Any mistakes are made together to learn from them— all of this being paid for within a set budget. This is the fastest route to innovation.