

# CENTER OF EXPERTISE DIGITAL MANUFACTURING

## UNSERE EXPERTISE

### PLANUNG UND MANAGEMENT



- Produktionsplanung
- Anlagenbau
- 360°-Lieferanten- und Qualitätsmanagement
- Forderungsmanagement bei Bauvorhaben
- Machbarkeitsstudien

### LOGISTIKLÖSUNGEN



- Digitale Lieferketten, Prozessanalyse und -optimierung
- Digitale Intralogistik
- Digitale Planung und Produktion von speziellen Ladungsträgern
- Automatisiertes Wareneingangs- und -ausgangsmanagement
- Risikomodell für digitale Lieferketten

### IT- & PROZESSLÖSUNGEN



- Virtuelle AR/VR-Schulungen für Produktionsmitarbeiter
- KI-gestützte Materialplanung
- Objekterkennung für industrielle Robotersysteme
- Spracherkennung für Produktionsstandorte

## WICHTIGE FAKTEN

- Globales Netzwerk an Partnern und Standorten
- Zertifiziertes Qualitäts- und Lieferantenmanagement
- Vernetzte Lösungen, inkl. 5G, Cloud Computing und Computer Vision
- End-to-End-Lösungen vom Einzelteil bis zur kompletten Produktionslinie
- 360° Lieferketten-Management: Inbound bis Outbound
- Starker Partner für Multiprojektmanagement

## UNSER MEHRWERT

- Wir verfügen über umfassende Erfahrung in der Planung und im Bau von technischen Anlagen und unterstützen Sie in zahlreichen Bereichen mit unseren vorausschauenden und umfassenden Ansätzen
- Wir gehen auf die wachsende Nachfrage nach Lösungen zum Management sowie zur Automatisierung globaler Lieferketten ein, indem wir unser Portfolio um digitales Lieferkettenmanagement und Prozessoptimierung erweitern
- Unsere digitalen Herstellungslösungen umfassen Spracherkennung, Objekterkennung für industrielle Robotersysteme und MTM-Analysen
- 360° Lieferketten-Management mit End-to-End Strategie

» Alles aus einer Hand – AKKA Manufacturing bietet Ihnen ein umfassendes Portfolio im Bereich Fertigung, angefangen beim Baumanagement über KI-gestützte Logistik bis hin zur Produktionsplanung.

# CENTER OF EXPERTISE DIGITAL MANUFACTURING

## UNSER PORTFOLIO

- Digitale Anlage
- Teil-Machbarkeit
- Anlagenbau
- Bauforderungsmanagement
- Digitale Sonderladungsträger-planung & Produktion
- Digitale Produktionsplanung
- Digitale Lieferkette
- Digitale Intralogistik
- 360° Qualitäts- & Lieferantenmanagement
- Multiprojektmanagement

## AUSGEWÄHLTE LEUCHTTURMPROJEKTE

**AKKA**  
PASSION FOR TECHNOLOGIES

### LINK & SPEAK

VOICE-CONTROLLED ASSISTANCE FOR MORE EFFICIENCY

Our language assistance app based on artificial intelligence (AI) is a reliable support for controlling your machinery and tools.

The production employees give and receive information with the help of the AI-based speech assistant, for example, via a VR headset or a tablet. Production deviations are forwarded in real time and speech to the connected systems and process controls, ex. shop floor. This way, your processes can be adapted with flexibility and efficiency to ensure consistent product quality. The simple retrieval of data, such as materials or installation instructions, provides optimal support and therefore guarantees consistency within the process chain.

**ADDED VALUE**

- Faster reaction times within the production process
- Increased quality due to a smooth process chain
- Significant improvement of information flow during production (product life cycle) in real time
- Cost efficiency via optimized personnel management
- Cost reduction through paperless factory
- Hands-free operation

Click or scan to learn more:

**WHAT MAKES US DIFFERENT**  
The learning of individual voice commands and the expandability of the language area enables the use of our Link & Speak app in your production facilities across locations. It goes without saying that human speech is used.

**AKKA**  
PASSION FOR TECHNOLOGIES

Automation | Aerospace | Building | Energy | Life Sciences | Networks | Space | Technical & Environmental Systems | Defense | Oil and Gas | Enabling

**AKKA**  
PASSION FOR TECHNOLOGIES

### 360° SUPPLIER MANAGEMENT

OUR COMPETENCE - YOUR QUALITY

Approximately 85% of the added value is generated in the supply chain, 79% of the innovations come from the supply industry and the trend is rising. The biggest changes in the context of the 4th industrial revolution directly affect the supply chain.

A functioning supply chain and its effective management is a highly significant competitive advantage. Our experts recognize problems and challenges from a different perspective and harmonize the quality of the services and products of customers and suppliers.

With our maturity model, which has been enhanced by process engineering scopes as well as functional security, cybersecurity and SPICE, our experts are able to identify the need for action and optimization potential at a much earlier stage. Combined with our diagnosis and risk model, it enables you to go into detail exactly where it is really necessary.

**OUR ADDED VALUE**

We support you with our preventive and far-reaching approaches in areas such as supplier development, production part approval process (PPAP), reactions, FMEA and audits. Especially the combination of our additional competences in functional safety (FS), AS-ICE and CyberSecurity makes our services unique.

We offer our tailor-made services for our customers in the entire spectrum of supplier management. This 360° approach reduces the effort on our side massively and the overall goal remains in focus.

Click or scan to learn more:

**Holistic supplier management (Ganzheitliches Lieferantenmanagement GLM)**

Values	Specialist expertise	Early Warning-Systems	Cooperation
Everything from one source - One face to the customer	Flexible capacities	Tool management	SPICE
Global presence	Trust & Transparency	Purchased parts management	Process bottleneck management
Established partnerships	Fast reactions	Manufacturing processes	Supplier & Quality Management
			Functional safety
			Cyber security
			Supply chain risk model
			Diagnostic model
			Technical representatives
			Historical building list
			AKKA Maturity management
			Proactive and targeted

**AKKA**  
PASSION FOR TECHNOLOGIES

Automation | Aerospace | Building | Energy | Life Sciences | Networks | Space | Technical & Environmental Systems | Defense | Oil and Gas | Enabling