

YOUR PATH TO SMART MANUFACTURING



INTEGRATE AND ENHANCE YOUR PRODUCTION TO MEET FUTURE CHALLENGES

YOUR BENEFITS WITH ADESSO



- > Experts who combine IT skills with industry know-how
- > Development of digitalization strategies that address end-to-end processes
- > Ability to scale solutions according to your needs
- > A partner with many years of experience in the industry

Today's industry is facing price pressure, strained supply chains, accelerated product life cycles and growing demand for personalized items. To meet these challenges, producers must create end-to-end manufacturing processes that keep pace with business operations.

A CRITICAL JUNCTURE

Modern industrial companies are confronted with many challenges, be it intense global competition, increasingly demanding customer requirements or rising regulatory burdens. At the same time, new technologies such as robotics, cloud computing and artificial intelligence promise to address these challenges and to transform industries. Given these circumstances, companies grapple with key questions:

- > Do we have the right infrastructure in place to support the introduction of advanced technologies?
- > Which data do we need to collect, manage and analyze to improve our operations?
- > How do we implement organizational change along our digital journey?
- > Given our capabilities and resources, what should our next step be?

Finding the right answers to these questions and successfully executing a digitalization strategy is essential for producers to gain a competitive advantage.

SMART MANUFACTURING

At the core of this new manufacturing approach is the introduction of modern data science and artificial intelligence into the manufacturing process. Moreover, smart manufacturing encompasses all business operations. Silos between independent systems such as business intelligence, resource planning and plant control systems are eliminated, enabling a more integrated, data-driven approach to strategic and operational decision-making. The critical data of all processes is connected to cloud platforms where data analytics and AI algorithms can be leveraged to gain insights and improve operations. Companies that implement smart manufacturing can increase productivity, use resources more efficiently and respond faster to changes in the market.

OUR SOLUTIONS

Advanced MES

Customized and optimized manufacturing execution system that aligns with your unique requirements

Your benefits

- > Process optimization and improved quality control
- > Insight, models, and recommendations for higher overall equipment efficiency
- > Data cleansing and preparation for cloud migration

Cloud integration and IoT

Scalable and flexible operations by leveraging cloud infrastructure and services for dynamic resource management

Your benefits

- > A cloud architecture tailored to your business needs
- > Real-time data processing and predictive analytics
- > Improved automation

Fully integrated smart manufacturing

AI-enabled seamless continuity of manufacturing and business processes

Your benefits

- > Advanced design-to-production workflows
- > Improved efficiency and traceability from raw materials to finished goods
- > Rapid adaptation to market changes through data-driven insights

OUR OFFER

Assess your current situation together with adesso and develop a roadmap towards smart manufacturing that aligns with your specific business goals. We offer a program, starting with a basic workshop where we analyze your manufacturing infrastructure in the context of your business processes and strategic objectives. Based on these initial insights, adesso can bring in the right experts and practitioners to help you plan and implement the next phase of your smart manufacturing journey.

“AI is not just about reducing costs, it’s about transforming manufacturing and creating new opportunities for growth and innovation.”

ANDREW NG | STANFORD PROFESSOR FOR ARTIFICIAL INTELLIGENCE AND CO-FOUNDER COURSERA

Do you have questions about our offer or would you like to know more about how we can support you in this context? Please feel free to contact us.

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