SF SOLUTIONS

Solutions for intelligent processes

As your partner for digital transformation Software Factory offers the necessary know-how to perform digital transformation in all company branches safely and successfully.

DIGITAL ENGINEERING

Innovations are subject to a constantly growing level of collaboration. With this comes the need for development departments to exchange information intensively. In addition, the departments for sales, manufacturing, documentation and aftersales/service also have to be involved in the process of requirements definition and product development. The synchronization of the wide range of information in different documents must be maintained constantly, while accessibility must be granted at any time.

SF Solutions:
- Comprehensive SW tool portfolio
- Combined concept of MBSE, ALM, PLM and SE
- Constant CAD design in the process chain

DIGITAL MANUFACTURING AND OPERATIONS

Cost reduction, quality and efficiency optimization in the production process are greatly impacted by information. Highly integrated information processing, tailored production data analysis and intelligent process control represent our solution portfolio in this field.

SF Solutions:
- Data collection and visualization by process controlling of production lines (SCADA)
- Task planning and controlling, inbound logistics optimizations up until operational effectiveness
- Software components for configuration, administration, operations and safe service access

DIGITAL SERVICE

Service offers increasing potential for additional services and software products next to the existing spare part market. Currently, plans and desires for newly defined business models are growing, thereby generating new value contributions for both the company and the customers. The required functionality of IT/OT increases the complexity simultaneously.

SF Solutions:
- Safe service access
- Predictive maintenance
- Tracking and tracing of assets
- Machine learning
- Augmented Reality

INDUSTRIAL CYBER SECURITY

Fulfilling and even increasing the benefits for the customer in a dynamic environment, as well as improving efficiency remains the focus of production. Thus, it is becoming increasingly important to use data from the shopfloor and to generate the relevant information by connecting production lines, manufacturing sectors, factories and companies. Therefore, the reliable, safe operation of globally connected facilities is becoming a key challenge.

SF Solutions:
- Implementation of „Leitfaden Industrie 4.0 Security"
- Definition of production functions to improve usability and security