



# Scope of services

**Digital Solutions** 



## Scope of services Digital Solutions

Stadler + Schaaf Digital Solutions is the driving force behind the digital transformation of your manufacturing and IT processes. Based on innovative products from our system partners and our own software solutions, we develop and integrate IT systems for the process and manufacturing industry.

Our comprehensive service concept ensures the smooth operation of your facilities during and after system implementation. We are also happy to advise our customers on all aspects of system development and integration. Our broad range of competencies makes us your strong and reliable partner in the field of Industry 4.0.

### **Overview of services**

#### **1. DATA INTEGRATION**

Data interfaces(OPC, REST APIs, web services)

#### 2. SYSTEMS

- Manufacturing execution systems (MOM, MES, BDE)
- Information management systems (PIM, EMI)

#### **3. CONSULTING**

Workshops to record actual/target status, requirements analysis

#### **4. DESIGN AND DEVELOPMENT**

- Systems modelling (SysML)
- Software design (UML)
- Software development (C#, LUA, Python)
- Database development (Oracle, MS SQL-Server, MongoDB, PostgreSQL)

#### **5. SERVICE / MAINTENANCE**

- Hotline / On-call service
- Support (systems operation, remote maintenance, application support)

- Key figures / KPIs
- Automation gateways
- Digital shopfloor management
- Visualisation (dashboards)
- Reporting
- Systems and software architecture
- Higher-level systems modelling
- Web development (HTML5, JavaScript)
- Desktop application development (WPF)
- Multi-platform app development (.NET MAUI)
- Agile and hybrid-agile process models (Scrum, Kanban)
- Helpdesk (ticket system / knowledge base)
- Training for users and key users
- Monitoring

#### VISUALISATION

at the highest security standards for an efficient monitoring of KPIs. The data can be collected and analysed centrally from one or more locations.







#### DEVELOPMENT

of customised solutions for the targeted implementation of complex requirements of all kinds. The wishes and needs of the customer can be specifically addressed.

#### DIGITALISATION

of systems for data acquisition and production control by using state-of-the-art MES and information management systems.



## stadler 🛟 schaaf

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