

Industry 4.0 and Smart Factory have become buzzwords of great importance for the future. Our clients are approaching us more and more frequently asking how they can give their company a strategic direction to achieve these ambitious goals. Many different aspects play an important role in this context; it all starts with a continuous information flow and ends with the right manufacturing concept for the future, and what quickly becomes obvious is that many of these aspects are interlinked.

With our support and the targeted use of our services, we will develop a strategy for your company together with you to steer it towards Industry 4.0 and the Smart Factory concept in a targeted and reliable way.

Your benefits

- Optimization of information flows in the following main business processes
 - Securing orders (POS, order entry, B2B, B2C, CRM)
 - Order import and processing (POM/ERP)
 - CAD/CAM with part lists (BOM/CNC)
 - Master data processes (PDM)
 - Procurement (SCM)
 - Manufacturing: Order-specific or without reference to production order (MTO/MTS)
 - Assembly (ATO)
 - Shipping
 - Construction and design (R&D)
- Improved material flow in production
- Reduction of inventories (different warehouses, KANBAN, based on usage, demand-oriented, security buffer)
- Optimization of furniture design
- Reduced time to market
- Factory optimization (production processes, machine technology, etc.)
- Increased efficiency in manufacturing processes
- Increased machine service life
- Support in make-or-buy decisions
- Optimizing manufacturing times
- Reducing offcuts and cutting waste
- Optimizing software selection (requirement specifications in POS and POM with ERP and MES)

Our services that will help you establish a Smart Factory



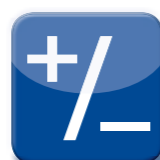
SCHULER Concept Study



Continuous Information Flow



Strategic Production Development



Controlling



Lean Production



Technical Product Standardization

Industry 4.0 – The Way to Intelligent Manufacturing



Industry 4.0 has arrived and will stay with us in the coming years. With SCHULER Consulting as a partner, a know-how provider and external resource, you will be able to lay solid foundations for the future. By systematically employing our services, we will happily support you on your way.

Industrie 4.0

- The Smart Factory of the future

Industry 4.0 is a landmark, on which the scientific community, industry and the public are all working. The term is defined above all as a target to reach, preceded by the steam engine, assembly line production and automation in factories, to describe the Internet of Things. Enormous expectations are placed on Smart Factories, including their interaction with the environment. However, every company must decide for itself how to embark on this path.

SCHULER Consulting is an internationally established consultancy in the wood and furniture industry and the only consultancy worldwide that can offer their clients comprehensive consultation (software & consultancy) on information flows, strategic production development and process optimization - from lean manufacturing through to the implementation of suitable software modules, from the POS to production. We have been supporting our clients in strategic decisions and revealing ways for them to meet new standards for 60 years. Thanks to this wealth of expertise we can help you make your decisions and will be at your side in the process. SCHULER Consulting turns conventional factories into Smart Factories.

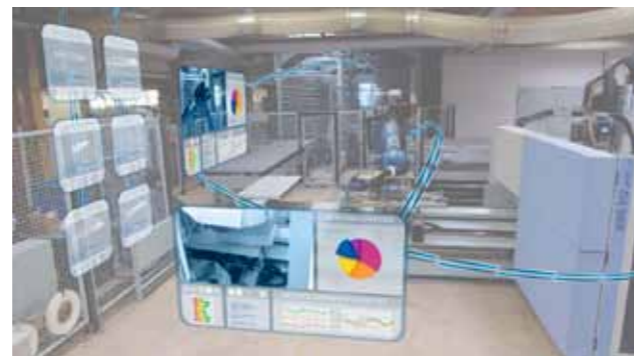
Focal points

Specialized in the wood and furniture industry, SCHULER Consulting offers services in the following fields:

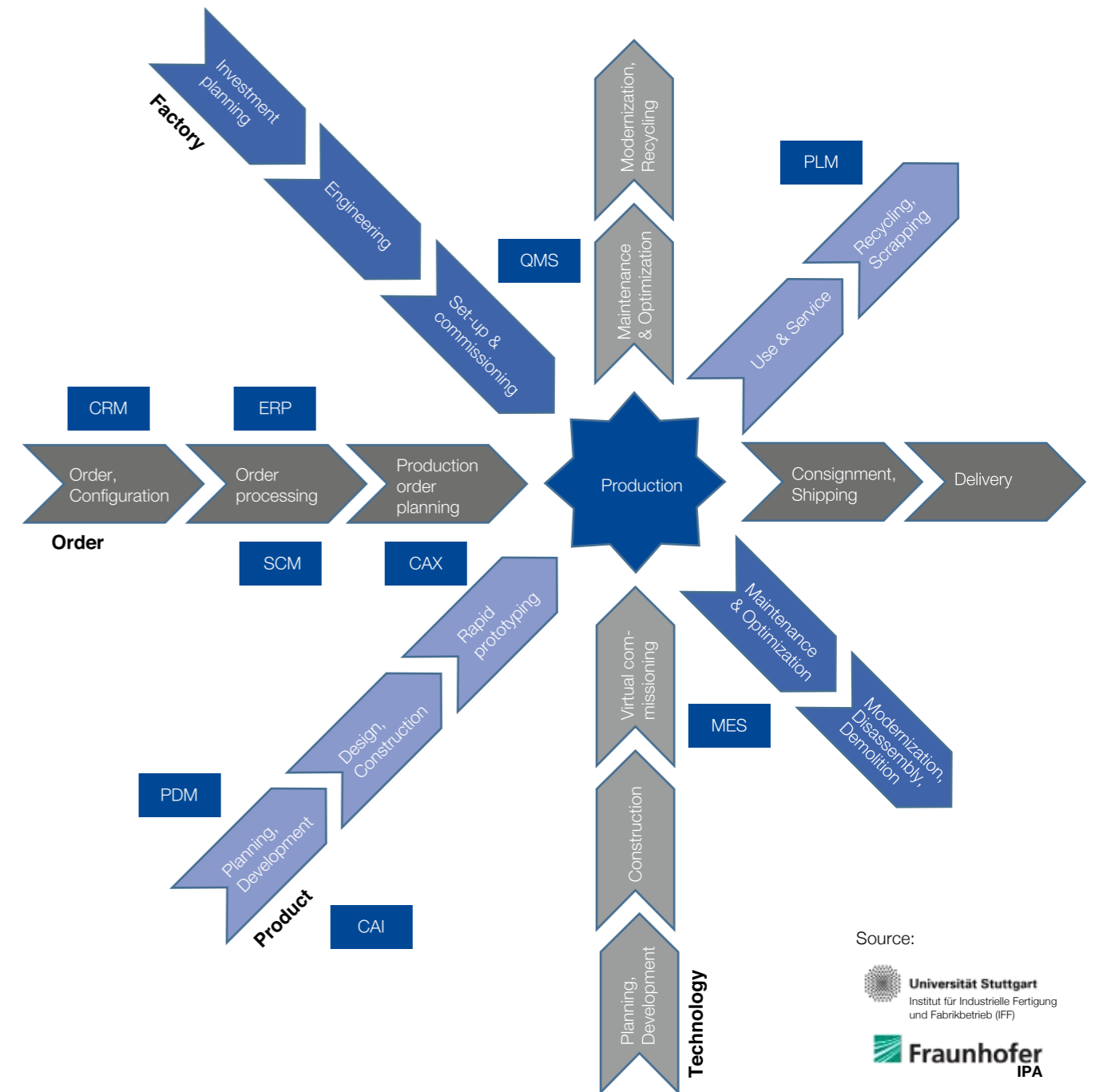
- Analyzing and evaluating your company's current situation and production in terms of continuous data flow
- Analyzing and optimizing process and information flows from point of sales (POS) to enterprise resource planning (ERP) all the way through to manufacturing technologies (MES)
- Developing a production strategy with an emphasis on smart manufacturing
- Developing an investment plan for your company's profitable future path

Our specialists analyze your company on the basis of four different aspects:

1. From the perspective of the factory:
Factory development (from factory planning, investment planning, facilities and equipment, commissioning, maintenance, optimization, modernization etc.)
2. From an order perspective:
Business processes (connecting software from sales to the client)
3. From the perspective of products:
The processes of product development (product life cycle, from development, design, manufacturing maturity and optimum material usage to scrapping, recycling, energyefficient manufacturing, reusability of components, etc.)
4. From a technological perspective:
The technological processes (use of new technology due to changes in framework conditions, batch size 1 instead of large-scale production, nesting instead of cutting on the saw, laser edges instead of hot melt, RFID instead of bar code labels, etc.)



Source: HOMAG AG



Source:

