Hühoco

저희의 기준은 고객의
요구사항에 맞춰져
있습니다.

강력하고 미래지향적인
구현으로 스마트 팩토리 운영

#준비되셨나요?

금속 산업의 기업들은 중요한 공급 업체입니다. 주요 분야로는 자동차 및 항공 우주 산업 및 건설 분야가 포함됩니다.

금속 산업은 매우 세분화된 시장이며 경쟁력 높은 압력, 높은 변동 원재료 비용, 높은 에너지 비용 및 대기오염 제한을 특징으로 하고 있습니다. 또한, 금속 가공 회사는 변화하는 시장의 요구 사항, 광범위한 경쟁 및 비용 압박에 대처해야합니다. 이것은 끊임없는 혁신과 효율성 개선을 통해 대응할 수 있습니다. 유연성, 통합된 프로세스, 고객 지향 및 기술의 진보를 가능하게 하는 비즈니스 솔루션이 매우 중요합니다.

We offer special solutions

Differentiation and further development

Particularly in order to counter rising costs, investments in R&D that enable further development of the product range are becoming increasingly important. For example, variants (e.g. lighter or stronger) can be produced to meet changing needs, or alternative energy sources can be established to reduce CO_2 emissions. New services, vertical integrations and a focus on high-end products support differentiation from the competition and improve profit margins.

Supply Chain Management

Networking and integration issues along the supply chain can greatly improve purchasing and logistics conditions, increase flexibility (end-to-end material flow) and counteract supplier uncertainties and supply chain disruptions by providing alternative supply chains. This also has a positive impact on the processing of customer-specific orders and their traceability. The further globalization of the market can also be used to advantage through good supply chain management.

New technologies and quality improvement

Especially the investment in innovations and the identification of useful new production technologies as well as quality control systems lead to a continuous improvement of processes and quality. Important elements, for example to enable further automation, can be found in the area of IIot, 3D printing, robotics, intelligent manufacturing as well as machine learning.

Efficiency improvement

High inventory levels and low delivery performance often lead to operational inefficiencies. Increasing efficiency, in turn, can lead to significant cost reductions. For the metals industry, special attention is therefore paid to optimal inventory management/ storage, reducing the development time for new materials, and minimizing or eliminating bottlenecks.

This is what
We offer you

// Industry 4.0
Extensive IoT tools as well as Big Data support the path to the Smart Factory.

// Full transparency
Powerful real-time analysis and reporting to control and identify potential.

// Quality control
Comprehensive quality control processes along the value chain including analysis certificate.

// Process orientation
Industry-specific processes to optimize efficiency and machine utilization.

// Traceability
Ensuring traceability through production with raw materials on a batch basis.

// Flexibility
canias4.0 enables maximum flexibility and adaptability of all projects.

Your industry solution - metals industry

We developed these features for you

The canias4.0 business solution specifically for the metals industry helps you maximize profits while controlling costs by improving the quality level of your products and solution offerings, promoting process competence and innovation. It also enables high efficiency, flexibility and productivity. In addition, customer orientation and adherence to delivery dates can be controlled in the best possible way. With canias4.0, you can build a perfectly functioning value network as well as an outstanding research infrastructure.

Enterprise Resource Planning

The canias4.0 offering includes a standard ERP solution that is specifically designed to meet the needs of the industry. It offers all the necessary modules and features to appropriately map and support processes and projects - from production to materials management, procurement to financial accounting. And all of this at the very latest state of the art. At the same time, with canias4.0 we offer you a flexible solution that can be adapted to your individual needs at any time. That is the unique advantage of canias4.0.

Industry 4.0

Our solution has a modular structure. This means you can add functionality to meet your requirements at any time and adapt it flexibly thanks to the open-source structure. The comprehensive ERP system is integrated with our Industry 4.0 technology. The portfolio includes IoT tools and devices and our powerful database management system iasDB, so that you can collect, store, manage and evaluate all relevant data and thus perfectly control and optimize your smart factory.

Cloud

Of course we also provide you full mobility, individuality and security: we offer a private cloud solution with canias4.0. This means you can take advantage of the high availability, flexibility, speed and expertise of the providers without having to make large investments in hardware. If the requirements change, the infrastructure can be easily scaled accordingly.

Thanks to the flexible structure of canias4.0, industry-specific processes in the metal and sheet metal processing industry can be managed effectively in addition to standard applications. These include, for example, a mechanism for budget control according to actual costs as well as more flexible production planning when capacity is limited.

Tracking of consignment manufacturing

Consignment manufacturing process can be used to track and perform materials for subcontracting, transfer of materials to subcontractor, preparation for shipment, acceptance of processed material from subcontractor. Reports on supplier, materials and quantities are available. Unit prices, invoice controls, and subcontracting (service) invoices entered into the system directly related to the subcontracting operation can be used to detail the costs of the consignment operation.

Inventory tracking with dual units

Material stock can be monitored using both the stock unit and the purchasing unit. Especially in the purchasing of sheet metal, pipe profiles and in inventory management, the demand can be tracked using double units. Inventory unit and purchasing unit can be defined differently. Waybill receipts and warehouse receipts-out transactions can be performed in both units. Conversion rates (multipliers) between units can be defined on the material card.

Approval mechanism for purchasing

Purchase requisitions and purchase orders in the purchasing process can be included in the approval mechanism. Approval steps and persons to be approved can be defined in the hierarchy depending on the total order quantity. In addition, automatic emails about approvals and purchase order deliveries are sent and inter-departmental information is provided.

Traceability and tracking of materials

With the materials monitoring and control application, materials brought into the plant can be traced with the batch number to an extended range. Batch numbers can be printed with barcodes on labels, creating an infrastructure for materials traceability. Every movement of materials across the enterprise is captured through the use of batch numbers in mate-

rial movements, work order consumption, and return transactions.

Quality control and supplier evaluation

Quality control criteria for all processes as well as initiation of necessary measures such as delivery duration, delivery quantities or the quality efficiency. Incoming quality control can be used to systematically prevent the use of defective materials. Operational quality control processes are used to prevent defects during production. Further quality control processes can be applied product-related before shipment. All quality processes, measured values, critical values, min-max values are recorded. Thus, a detailed quality control reporting system is established. In addition, supplier evaluation including delivery times, delivery quantities and quality compliance criteria can be performed.

Essential
Modules

Material Requirements Management	Production Management	Human Resources Management
Sales Management	Budget Management	Standard Cost Management
Purchasing Management	Bill of Material Management	Maintainance Management
Warehouse Management	Financial Accounting	Quality Management

Specific
Solutions

Record scrap and waste quantities: Report on scrap and waste quantities based on work orders, and planned scrap percentages, which are shown in the bill of materials and taken into account when planning material requirements.

Slitting application of roll material: Cutting jobs can be created for roll material. The system gives a recommendation on the best cutting dimensions by combining roll type, total width and scrap percentage.

Sales prices and discounts: Flexible sales price management based on product, customer, customer group, sales staff, etc., as well as the possibility of integrating detailed information in the sales price list, including discounts and price analyses.