

Company Profile

IAL GmbH

Talweg 10
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At **IAL Automation and Logistics GmbH** we offer our customers competent consulting, software development and project implementation in the business areas:

- ▶ Logistics
- ▶ SAP integration
- ▶ RFID technology
- ▶ Manufacturing systems
- ▶ Energy accounting



Our solutions provide comprehensive warehouse management resources and support the entire materials flow from goods-in, through stock transfers and picking, to shipping. The software is available for manual and automatic processes and warehouses in every combination.

Modern technologies including wireless connections, scanners and mobile terminals enhance performance in process handling. An open terminal interface allows the use of state of the art mobile devices. Existing external systems, such as conveyor systems, can be integrated into the system concept.

We cooperate in a variety of fields with enterprises of various sizes, providing our customers with optimal system solutions, while taking into consideration the situation of each individual client. Our solutions are manufacturer-independent, and our extensive support accompanies the customer from the conceptualization all the way to the complete implementation and system supervision.

Our logistics module **IAL Databridge** covers the whole spectrum from simple data transfer to integration into an existing ERP system. In the area of energy accounting, we utilize the **IAL EnerBridge**, an accounting system designed for corporate customers with large amounts of data.

Logistics has become a core function in many enterprises. An optimally managed material flow accesses rationalization possibilities and thus taps savings potential. The **IAL Middleware** makes available a complete system solution in the form of modular applications and interfaces required to fulfill the system objectives.

Specific IAL interfaces combined with support for the relevant SAP processes make possible a high degree of **integration with SAP**. For the past several years we have been using our own standardized software to communicate with SAP systems through the IDOC interface. Both synchronic and asynchronic communication are possible. Data handling with the appropriate transaction management ensures data consistency even when a communication partner is unavailable.



Radio frequency identification (RFID) technology is assuming an increasingly dominant role in logistics.



Transponders can be read quickly, even through packaging and without visual contact, in contrast to optical barcodes. Transponders are especially superior to barcodes when the storage of additional data is required. In

voucherless business processes they allow quick picking procedures and increase the transparency of each processing stage.

The liberalization of the energy markets has led to new requirements in **energy accounting** in the areas of energy production and distribution. IAL has created a dedicated support system for the planning and execution of energy exchanges between power plants and corporate partners. In addition to direct communication with the existing process systems, the take over of meter readings and energy assignment (exchange schedules) are guaranteed. **IAL's EnerBridge** also provides extensive functions for realtime imaging and contract management.



IAL supports you in the implementation of these techniques for your logistics project throughout each step of value creation, including data acquisition at the level of reusable containers, direct acquisition of the goods and also pallet-wise acquisition.. To improve data handling and acquisition for rolled materials, we collaborated with the company Paul & Co to develop the "**intelligent core**".



Our considerable experience in applications and implementation is the basis for successful project completion. IAL's substantial knowledge of the market assures you an optimal selection of devices and system components. After the realization, IAL can also provide the supervision and extension of the operative systems.

Our services in the RFID area extend from feasibility studies and tests, include consulting, selection and delivery of hardware components, and culminate in the integration of all the components in the form of the **IAL RFID system** into your present system landscape.

Our range of services enhances your own resources. Together we form an experienced and competent joint project team for your implementation.

Complex manufacturing processes and production procedures often have to be integrated into existing business processes within a defined system environment. In these cases IAL creates **manufacturing systems** such as production cells and elaborate production-information and control systems. These integrated solutions make the current production data available, for example for production control and for production-related quality control.

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