IFD
WE THINK
AROUND THE BOX

iFD GmbH – Company Presentation

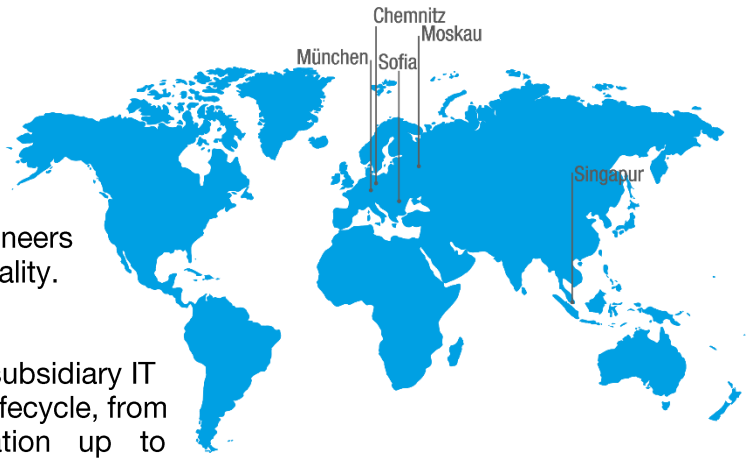
In the group of the iFD - locations of the iFD

At its main and founding location in **Chemnitz** the iFD has been planning, developing and implementing software systems for automated and manual areas of intralogistics in industry and commerce worldwide since 1990.

Extensive experience in process planning and realisation for almost 30 years has helped us to design low-cost and profit-optimised logistics systems and to implement them in a generalising manner.

Extensive experience in process planning and implementation for 30 years helps us to design low-cost and profit-optimized logistics systems and to generalize them.

- Headquarters, basic development, strategy development
- Customer support 24/7
- Consulting
- Simulation
- Conception and planning of projects



A competent, international team of factory planners, application developers and field engineers consistently implement the projects in perfect quality.

iFD digiplant GmbH in **Munich** is a full-service subsidiary IT provider that takes over all tasks of the product lifecycle, from the conception and design of an application up to implementation, rollout and support.

Many years of experience in project management and the unification of the entire performance process for IT solutions guarantee innovative, tailor-made concepts even in large, complex application areas and form an essential basis for competitive advantages we can offer our customers on the market.

iFD Engineering Joint Venture GmbH was founded in 1993 and is headquartered in **Sofia**, Bulgaria.

As part of the iFD Group, iFD Engineering Joint Venture specialises in ERP and CRM solutions, mobile data capture, warehouse management solutions for small and midsize businesses, and primarily in solutions for retail and related mobility solutions such as field sales, store checks, and active sales.

iFD Logistics Pte. Ltd. was founded in **Singapore** in 2004 and has a solid, long-term partnership with DEMATIC and SIEMENS in the field of airport logistics in Europe and Asia. In recent years, iFD Logistics Pte. Ltd. has successfully implemented numerous projects in Malaysia, Thailand, Korea, China, Taiwan and India.

Reasons for iFD and the solutions

The iFD GmbH stands for innovative and future-proof systems and solutions. The project business is the core competence of our company. The software systems are integrated independently of the industry in different dimensions.

The professional project management by our experienced logistics specialists is certified according to DIN ISO 9001:2015. Thanks to our historical proximity to the automotive and manufacturing industries, we can also plan, design and implement industry-specific requirements such as dock and yard management or the connection of MES and BDE systems with the highest level of expertise and tailor-made applications

- Planning and development
- Migration of legacy systems
- Project management and controlling
- Training and workshops
- After Sales Service

We implement applications from iFD GmbH's product portfolio for your logistic systems in a custom-fit way, which are adapted or extended according to your project and your special wishes and requirements.

The iFD products can be implemented in almost any IT landscape and are carefully selected and adapted according to customer specifications. These are future-oriented and open for perspective extensions or new functional requirements in your company.

The migration of software (application, database, operating system, service tools) while warehousing or production operations are today at logistics companies that operate highly automated systems or permanently operate continuous processes as is the case for example in the automotive industry and assembly plants of eminent meaning. We know that standstill costs money and have developed an independent process model for the migrations, in which a seamless replacement of the old software takes place based on a parallel operated and step-by-step switchable second system.

Even after successful project acceptance, iFD GmbH stands by its services and provides you with a comprehensive range of services on request.

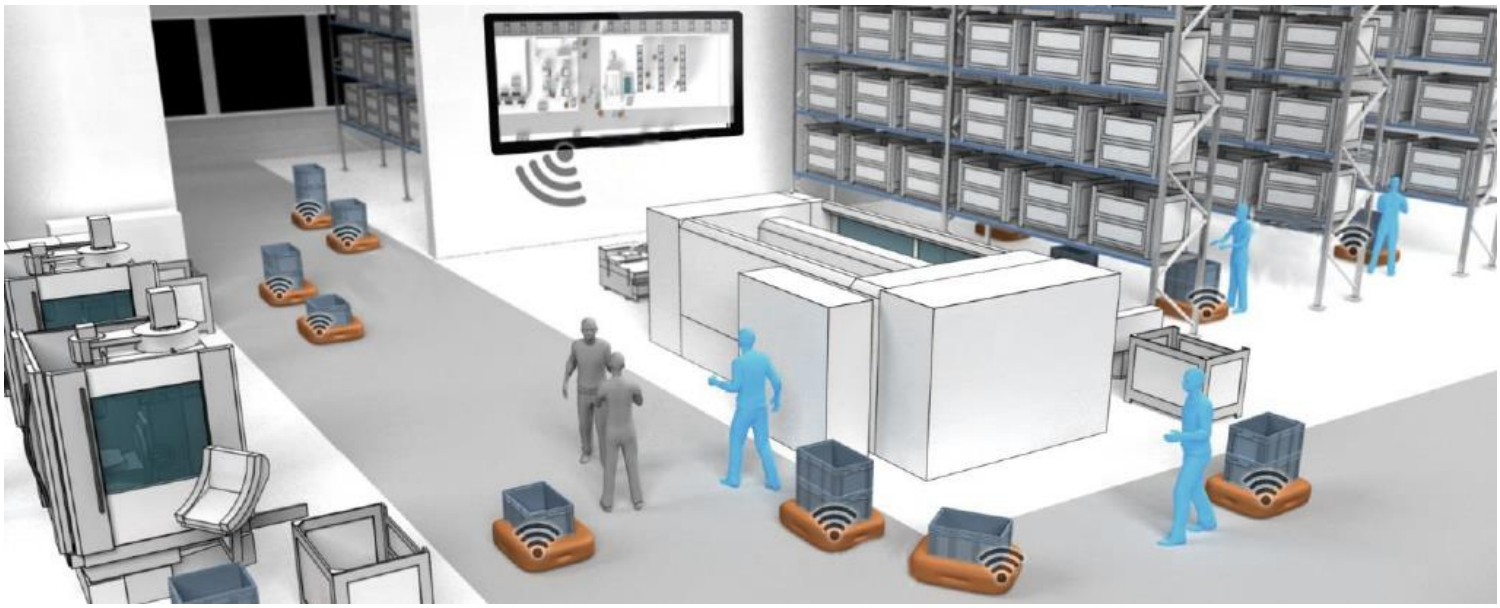
Our Vision

Our vision is to optimise not only your business processes, but also the performance of your warehouses and to increase the satisfaction of your customers. That's why we deliver a software solution that enables you to perfect your entire value chain.

The change and globalisation of markets, the rapid dynamics and complexity of supply chains, ever shorter communication times and innovation cycles are placing high demands on companies in the face of tough competition.

In a constantly changing market, adaptable and future-proof software is needed that can be quickly adapted to new market requirements so that performance in the warehouse can be improved continuously.

More than 28,000 users at more than 100 internationally active companies from various industries use the iFD software to optimise their business processes and to achieve high, internal cost savings.



Our research

We have an independent research and development department with which we can permanently guarantee innovations and further developments in the iFD software systems and add-on components.
Continuous development and committed research work as well as the targeted improvement of concepts and products guarantee the success of our adapted software systems, which represent the ideal logistics solution for many national and international customers.

Products of the iFD GmbH

Whatever your industry, we plan and develop for you according to the requirements of your intralogistics. The following are the systems presented:

WMS Warehouse Management System

The warehouse management of iFD GmbH provides a comprehensive range of functions and depth.

Due to the modular design, we can plan and implement tailor-made software for your company within a very short time.

Thanks to a large number of possible combinations, the system can be quickly adapted to any industry and the specific requirements. This gives you immediate access to all the functions you want and at the same time you have the option to expand the system functionally at any time. This allows future users to make quick, informed decisions and present all important information at a glance. Using browser-based web frontends, the masks can be called up at any computer at any time without additional installation effort.

The warehouse management system of the iFD GmbH - intuitive user interface that adapts itself.

- Database and OS independent
- Client server system
- Flexible interfaces
- Applicable across locations
- Multilingual

The warehouse management system of the iFD is already equipped with many perfectly coordinated information and control instruments as standard.

MFCS Material Flow Control System

In order to meet the efficiency requirements of modern logistics, a flexible, reliable and transparent control system is required. The iFD MFCS controls and coordinates your entire material flow regardless of manufacturer. Benefit from our many years of experience and comprehensive solution concepts.

The material flow control provides standard interfaces to all common host systems, such as SAP. The flexible interface module makes it easy to connect any subordinate controllers. Standard interfaces include, for example, Kanban systems, stacker cranes, electric floor and overhead conveyors, electronic scales, labellers, volumetric meters, carton erectors and stretchers, to name just a few. In addition, insufficient documented interfaces for migration projects can be replicated with the iFD technology.

SLS Forklift Control System

The advantage of a SLS over manual transfer order control is that each order in the system is individually evaluated individually by the SLS regarding the parameterised properties. In this way, the system can combine suitable orders in such a way that a minimal transport effort is created and at the same time the external criteria for the order execution are met (for example, the latest delivery date).

Using a SLS increases the effectiveness of your logistics by delivering the right transports at the right time. You can handle rush orders easily, shorten your lead times and avoid bottlenecks. This optimises your delivery reliability and automatically increases the satisfaction of your customers.

The system keeps extensive journals about all activities that change the master or transaction data. This means that all transport processing steps are recorded chronologically. With the statistics generated by the system, you create transparency and have control over all completed in-house transports. The solid database enables you to further improve your material flow and empties management.

SIM Simulation

Complexity and dynamics in the production and logistics process are steadily increasing. This leads faster and faster to questions that cannot be answered with a static view. If the Excel spreadsheet does not work and a picture of the problem with Operation Research methods becomes too large, then a simulation model should be used to investigate existing problems.

For questions regarding the optimal design of conveyor technology or the optimisation of production processes and order sequences a simulation is an important tool. Because one of the most important goals of a simulation is the protection of investments. A simulation model can be used to show how effective a planned investment really is, and whether assumed benefits really do turn up as expected. To simulate means to learn today from the future.

Through a simulation that realistically maps the complexity and dynamics of technical systems, the processes can be displayed transparently and cause-and-effect relationships can be identified. Processes can be tested and optimally coordinated, bottlenecks are detected and analysed.