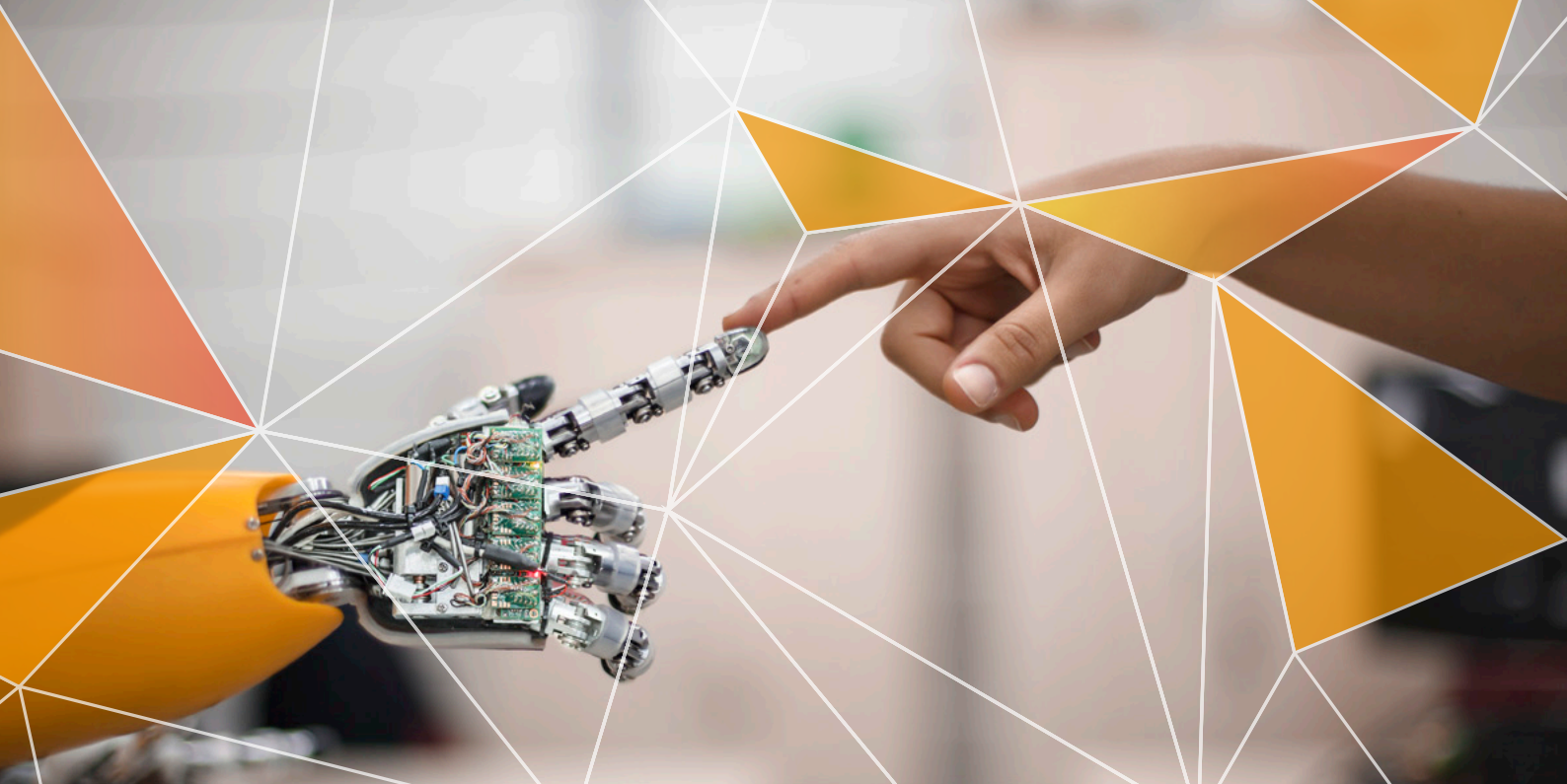# THE INTEGRATION PLATFORM FOR MIDMARKET BUSINESSES

CONNECT abas

# A PLATFORM FOR YOUR INTEGRATION REQUIREMENTS

**The thorough digitization and networking of processes has reached the midmarket. Companies are focusing on replacing fragmented processes with integrated ones to remain competitive internationally in terms of speed, quality and price. Previous system islands, for example, in procurement, production, warehousing or logistics, are being systematically linked to the lead ERP system. At the same time, communication with third-party solutions on the customer and vendor side has intensified. The goal is a high degree of process continuity and automation across company boundaries.**

One challenge midmarket businesses face in this context is the IT expertise required to implement a variety of connections. This can often only be achieved through intense involvement of specialized IT service providers: Both the implementation of an interface and its subsequent modification and maintenance require a certain amount of specialist expertise, which is difficult to build and maintain within the company.

Although companies benefit from significant improvements in the quality, stability and customer-orientation of their processes, the cost of maintaining a custom, end-to-end process landscape remains relatively high.

## REDUCE THE OPERATING COSTS OF SYSTEM CONNECTIONS

With abas Connect, abas offers an integration platform for midmarket businesses that enables highly flexible, standardized communication between systems, such as machine control systems, assistance systems, warehouse management software, self-propelled systems, web services, etc. and abas ERP as the central ERP solution.

The integration platform converts the messages and handles routing between the systems in the background so that the setup and maintenance of routes is based solely on configurations using a graphical interface – no programming necessary.
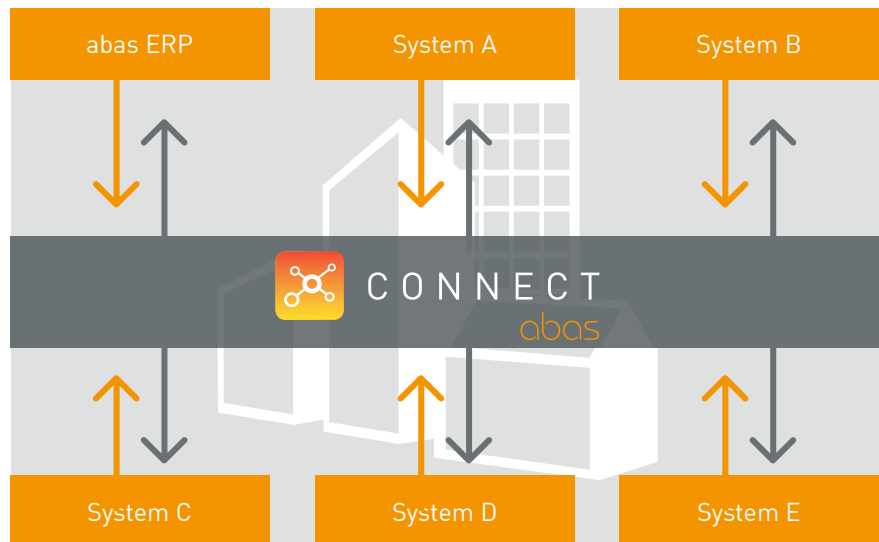
Your benefit: Fast implementation plus significantly reduced interface maintenance costs – and therefore a quick return on investment with a low total cost of ownership.

Optimum process consistency based on uniform, stable and easy-to-manage interfaces is also a prerequisite for all activities in the IoT environment making abas Connect a building block for your future strategies.

# EASILY INTEGRATE DIVERSE TECHNOLOGIES

abas Connect is an application-neutral, message-based integration platform that enables applications to communicate with each other regardless of their native data structure. For this, abas Connect uses defined, universal start and end points so that no interfaces need to be adapted. Each system provider remains in their own language and does not need to have or acquire any knowledge of abas ERP or third-party systems.

abas Connect converts the messages and handles the routing between the start and end points. It uses a variety of enterprise-integration-pattern-based building blocks to establish routes.



abas Connect: Communication between systems

## INTEGRATION IN ABAS ERP

abas Connect also handles the data exchange with abas ERP*. With abas Connect, systems equipped with very different interfaces can be connected easily to abas ERP. Neither the interface of the system to be integrated nor the processing logic needs to be modified or programmed. Instead, the connection is made via the abas Connect route editor, a graphical interface to configure and maintain routes between systems.

## CENTRAL INTERFACE HANDLING

abas Connect doesn't focus solely on a simplified, standardized connection to abas ERP. The goal of the integration platform is to standardize the setup and maintenance of all your IT ecosystem interfaces. abas Connect can translate messages into any format, enabling third-party systems to communicate with each other. You can use communication building blocks to map, for example, validation or synchronization processes.

Furthermore, unlike with individual interface connections, it's also possible to address several systems simultaneously with a single request when using abas Connect. You profit from streamlined data exchange as well as significantly simplified adaptation.

* Required abas ERP licenses are not included with abas Connect.

# HOW YOU BENEFIT FROM ABAS CONNECT

**ONE PLATFORM – A MULTI-TUDE OF CONNECTIONS**

abas Connect impresses with its high degree of flexibility and custom adaptability. Essentially any type of interface can be connected. The integration platform provides a set of interfaces (e.g. REST, SQL) for receiving and sending messages in various data formats (e.g. JSON, XML, CSV or ASCII), so that classic machine and interface connections as well as the integration of Mobile Apps or web services can be realized with little modification effort.

**SIMPLE, COST-EFFECTIVE MAINTENANCE**

The user-friendly route editor also considerably simplifies interface maintenance. Standard adjustments and extensions to routes can be performed within the company. To avoid binding administration to a single person, a detailed description of each route is provided so that the information required for an adaptation can be found quickly. Even larger modifications to interfaces can be implemented with significantly less effort using routing start and end points. If starting point A changes, then only this point has to be adjusted in the route editor. The endpoints to the other systems receiving messages from A via abas Connect remain unchanged.

**QUICK IMPLEMENTATION**

Thanks to simple configuration via the route editor, applications can be quickly linked to abas ERP and with each other, without any programming. The route editor is easy to operate and requires minimal training. The installation on your abas ERP server or another server only takes a few minutes. All this helps to ensure that integrating applications with abas Connect can be accomplished in very short time.

> "What I value about abas Connect is how easy it is to set up interfaces. Already after four hours of online training, I was able to connect the RFID solution, which we use in the production of our joysticks to track our products, to abas ERP – and without any programming at all. Future interface amendments can also be made by our team inhouse. However, what counts even more is the perspective abas Connect gives us. We are now using a platform that enables us to make additional connections quickly and at a low cost."

Holger Mahovsky, ERP Project Manager / IT Manager,
Spohn & Burkhardt GmbH & Co. KG

**NO ABAS EXPERTISE REQUIRED**

No abas ERP expertise is necessary to connect a third-party solution to abas ERP. Your entire focus can be placed on the framework conditions of the third-party system during the integration. The effort required to create an interface is reduced and delivery times are shortened.

**FLEXIBLE, COST-EFFECTIVE REUSE OF ROUTES**

Your benefits with abas Connect grow with the number of routes! Once you've created a route, you can reuse it for a new, slightly modified integration. Routes can also be exported and imported. This makes setting up connections even faster while reducing costs and risks. With the route editor you can test new interfaces or administer templates. You can also purchase ready-made routes from abas Marketplace (marketplace.abas.com).
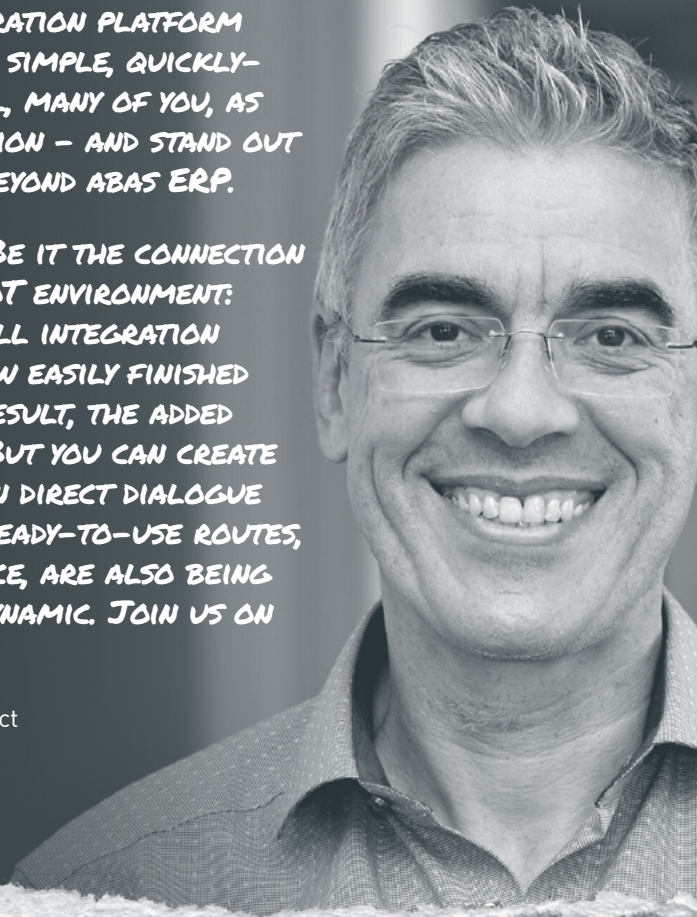
**STANDARDIZATION AND TRANSPARENCY**

The advantage of a company-wide integration platform compared to individual interfaces between two systems lies in the standardized traceability as well as the increased compatibility and flexibility of the entire IT infrastructure. With abas Connect, third-party systems can more easily communicate with each other and new applications can be quickly integrated into the system landscape. Of course, abas Connect is not client-specific, so it can communicate with any number of ERP clients.

"With abas Connect, we've created an integration platform that fully meets our customers' demands for simple, quickly-implemented interface connections. After all, many of you, as Hidden Champions, strive for maximum digitization – and stand out with the continuity of your processes far beyond abas ERP.

This is precisely where abas Connect comes in. Be it the connection of software, services or solutions in the IoT environment: abas Connect is the go-to platform for all integration challenges. We're particularly proud of how easily finished routes can be imported or modified. As a result, the added value for your company grows continuously. But you can create more than just new routes in the company; in direct dialogue with the abas community, new connectors and ready-to-use routes, which you can access via the abas Marketplace, are also being created. Connectivity takes on a whole new dynamic. Join us on this journey."

Markus Greiter, Product Owner abas Connect

# CONNECTIVITY IN A NEW DYNAMIC

**Decide today to foster a comprehensively integrated system landscape and a central bridge to external partners and services.**

Which topics are your tackling? Are you responsible for realizing your company's efforts for a fully networked IT landscape?

Are you planning to connect a new machine or a new service to abas ERP, and have to keep an eye on maintenance costs in addition to the investments necessary for the future expansion of the interface?

Would you like to get to know abas Connect and discuss your integration requirements with our consultants?

Your abas partner will gladly show you

• how abas Connect can simplify the integration of applications in your specific case

• which added value you'd have with regard to interface mainte-nance and operating costs and

• which other options the integration platform has to offer.

**We're happy to advise you!**

**ONLINE DEMO**

See abas Connect live and in action – non-binding and from your workstation.

**Contact us!**

phone: +49 (0)721 / 96723-263
Email: sales@abas-erp.com

# ABAS ERP. THE BEST ERP SOLUTION FOR MIDMARKET BUSINESSES.

## SALES MANAGEMENT + CUSTOMER RELATIONSHIP MANAGEMENT (CRM)

With abas you have control of your sales tasks and can manage your customer relations – always informed and well organized.

**FUNCTIONS:**
B2B webshop with product catalog, CRM, opportunity and quotation management, sales planning, costing, sales, purchasing, document management, customer portal, mobile CRM, mobile deliveries

## PRODUCTION CONTROL AND ADVANCED PLANNING

PPC plus a precise, forward-looking advanced planning: The APS system provides analyses, visualizations and simulations for proactive decision making.

**FUNCTIONS:**
Advanced Planning (APS), Production, Scheduling (MRP)

## PURCHASING

abas actively helps your purchasing department to make decisions that can lead to better conditions, strategic supplier selections, and on-time deliveries.

**FUNCTIONS:**
Bidding processes/Requests management, sales planning, purchasing, vendor portal, document management

## PRODUCTION PLANNING AND CONTROL (PPC)

For modern manufacturers, PPC is the heart of the ERP system: abas ERP helps you optimize your production processes.

**FUNCTIONS:**
Production, work order management, personnel/work order time recording, CAD/PDM integration, mobile PDC

## MATERIALS MANAGEMENT

With abas ERP you can efficiently manage your warehouse, know which stocks are on hand, and ensure that all necessary resources are available.

**FUNCTIONS:**
Sales, Production, Warehouse Management, Materials Management, Scheduling, Valuation, Mobile Stocktaking, Mobile Warehouse Management

## SERVICE PROCESSING

Customer service is the key to success: abas Service Processing helps you separate yourself from the competition by delivering exceptional service quality to your customers.

**FUNCTIONS:**
Service requests, Service Planner, on-site service, inhouse repair processing, Document Management, Mobile Service

## FINANCE AND ACCOUNTING

Regardless of whether you are a midmarket business or an international corporation – the secret to success is how well you have your figures under control.

**FUNCTIONS:**
Preliminary/Final costing, Financial Accounting, Fixed Asset Accounting, Cost Accounting, Liquidity Planning, Controlling

## BUSINESS INTELLIGENCE AND ANALYSIS

Being able to make the right decisions quickly is becoming even more important in increasingly dynamic and global markets.

**FUNCTIONS:**
KPIs, dashboards, reports, pivot tables

## GROUP ACCOUNTING

Increasing globalization in the midmarket is leading to ever-more-complex financial data. With abas Group Accounting you'll be ready.

**FUNCTIONS:**
Consolidation, Group Balance Sheet, Group P&L

## MULTISITE

Today, not only large corporations but also many midmarket businesses have national and international locations, plants, and subsidiaries.

**FUNCTIONS:**
Multisite, intercompany planning, master files synchronization

## INTELLIGENT DOCUMENT MANAGEMENT

Do you know that the average employee spends roughly 30% of their time searching for information? Find, don't search, with DMS!

**FUNCTIONS:**
Document archiving, full text search, document search, document flow, management of document workflows

## EDI AND HIGH PERFORMANCE LOGISTICS

Intensely competitive industries such as the automotive supply industry and distribution are particularly reliant on efficient processes.

**FUNCTIONS:**
Electronic Data Interchange (EDI), Shipping Planning, Container Management, Automotive & Supply package, Mobile deliveries

## BUSINESS PROCESS MANAGEMENT

abas BPM enables the intuitive creation, automation and monitoring of workflows and therewith contributes to the optimization of your processes.

**FUNCTIONS:**
abas BPM Designer abas BPM User Dashboard, abas BPM Viewer

## PROJECT MANAGEMENT

abas Project Management utilizes full integration with abas ERP to provide a control center for project-oriented businesses.

**FUNCTIONS:**
Project Planning, Project Costing, Project Cost Accounting, Project Closing, Project Controlling

## MOBILE PROCESSES

Mobile applications help you increase efficiency in core business departments by providing users access to essential data – anywhere, anytime.

**FUNCTIONS:**
CRM, Purchasing, deliveries, Warehouse Management, Stocktaking, PDC, Service

# BUSINESS SOFTWARE TO HELP YOU GROW.
## *FROM OUR PEOPLE TO YOURS*

**abasERP**

**@abasERP**

**abas ERP**