

YOUR BUSINESS NEEDS BOWE INTELLIGENCE



INTRALOGISTICS



MAILROOM MANAGEMENT



SMART IOT SOFTWARE SOLUTIONS

FOR A DIGITAL AND EFFICIENT INFRASTRUCTURE.

Digital transformation, Internet of Things, Industry 4.0, smart factory, Supply Chain 4.0, cloud computing – trends are rapidly changing society and the economy and turning familiar business processes upside down. However, as more and more new possibilities are created, the pressure on companies to keep pace with these developments is likewise increasing. How can they stay successful? With smart software from BOWE IQ!

Software that makes your operation faster, more flexible, more accurate and more efficient. Software that automates, orchestrates and intelligently networks plants and processes, perfects human-machine interaction and lets you act with foresight. Individually tailored to your industry, your needs and your processes. And always with the goal of making complex things simpler.

MASTERING COMPLEX PROCESSES

All BOWE IQ software solutions share a common goal: to make complex and demanding tasks simpler and more efficient. Always with the focus on providing a positive user experience in the form of intuitive usability and security.

From the mailroom or intralogistics, through system control, process optimization and tracking to comprehensive management of complex, networked automation scenarios: increase your productivity, efficiency, security and system performance – and raise your entire in-house value chain to a whole new level. With smart software from BOWE IQ!



WELL-FOUNDED EXPERTISE



SCALABLE & CUSTOMIZED SOFTWARE SOLUTIONS



TOP USABILITY & USER EXPERIENCE



INNOVATIVE AUTO ID TECHNOLOGY



SEAMLESS INTEGRATION



BY YOUR SIDE WORLDWIDE

PLANNING, CONSULTING & SUPPORT: CUSTOMIZED SOLUTIONS THAT EXACTLY FIT YOUR NEEDS

Smart, flexible software from BOWE IQ: customized and precisely tailored to your requirements. Because no two workflows are the same.

Solutions that all share a common goal: to make complex and demanding tasks simpler and more efficient. Take advantage of our high-performance software solutions, backed up by years of experience that you can rely on.

DO YOU HAVE ANY QUESTIONS?



ASK FOR PERSONAL ADVICE

WE HAVE THE SOLUTION FOR YOUR INDUSTRY

WE SPEAK THE LANGUAGE OF MANY DIFFERENT INDUSTRIES.

As a modern technology and software company, we strive to be a partner to our customers, deploying our core expertise and know-how for their benefit regardless of industry boundaries. We do not simply react to the growing challenges of the global market but address them head on. We think ahead to innovate in automation and we are constantly improving both our and our customer's processes. As a result, we are able

to supply and implement cutting-edge technologies in a range of industries with smart IoT software solutions for system control, process optimization or integrated management of complex, networked automation scenarios. This is how we help you to stay ahead of the game. How can we help you to further enhance your production processes?



POSTAL & PARCEL



E-COMMERCE, OMNI-CHANNEL, WHOLESALE



3PL THIRD PARTY LOGISTICS



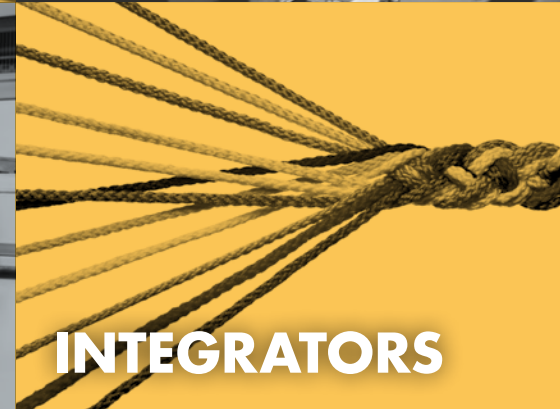
FOOD & BEVERAGE



MANUFACTURING



MAILROOM MANAGEMENT



INTEGRATORS



LEARN MORE ABOUT OUR SOLUTION FOR YOUR INDUSTRY



ASK FOR PERSONAL ADVICE

PLANNING, CONSULTING & SUPPORT: CUSTOMIZED SOLUTIONS THAT EXACTLY FIT YOUR NEEDS

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DO YOU HAVE ANY QUESTIONS?

OUR SOFTWARE SOLUTIONS

As software experts, we offer a portfolio extending from flexible machine control for BOWE systems, Manufacturing Execution Systems (MES) and track & trace solutions – including applications for Asset Management (AMS) or last mile delivery – to integration software, Warehouse Management Systems (WMS) and Warehouse Control Systems (WCS).

We are a recognized first, second and third tier supplier in numerous industries. In combination with advanced auto ID products such as barcode, RFID, voice or sensor technologies, you can take your supply chain performance to a whole new level.

FIRST, SECOND AND THIRD TIER SUPPLIER



PROCESS OPTIMIZATION AND CONTROL: WMS & WCS

Customized Warehouse Management (WMS) & Warehouse Control Systems (WCS) for your industry create transparency as well as optimal processes in your logistics chain.



MANUFACTURING EXECUTION SYSTEM (MES)

BOWE IQ's Manufacturing Execution System (MES) puts an end to production stoppages.



TRACK & TRACE SOLUTIONS

Know exactly where everything is at any given time with BOWE IQ. Serialization, mail piece and product tracking to the last mile as well as Asset Tracking and Asset Management (AMS).



INTEGRATION SOFTWARE

BOWE 4.0: Move forward with our platform for integrating and networking smart factory automation solutions such as robots or AGVs.



SMART SOFTWARE PLATFORM

The modern Orbiter software platform turns control of your BOWE machinery into child's play with easy-to-use, clearly structured apps.



CENTRAL & INTUITIVE MACHINE CONTROL

Flexible control software from BOWE IQ ensures that all BOWE SYSTEC and BOWE INTRALOGISTICS systems are intuitive to operate and simple to set up.



NETWORKED MAILROOM MANAGEMENT

Reap the benefits of networked production with BOWE One and optimize your mailroom processes across whole systems and sites using precise, real-time data.

PLANNING, CONSULTING & SUPPORT: CUSTOMIZED SOLUTIONS THAT EXACTLY FIT YOUR NEEDS

Smart, flexible software from BOWE IQ: customized and precisely tailored to your requirements. Because no two workflows are the same.

Solutions that all share a common goal: to make complex and demanding tasks simpler and more efficient. Take advantage of our high-performance software solutions, backed up by years of experience that you can rely on.

DO YOU HAVE ANY QUESTIONS?



ASK FOR PERSONAL ADVICE



WAREHOUSE MANAGEMENT & WAREHOUSE CONTROL SYSTEMS

UP TO **50%** HIGHER EFFICIENCY*

INDUSTRY-SPECIFIC WAREHOUSE MANAGEMENT SYSTEMS AND WAREHOUSE CONTROL SYSTEMS FOR FASTER PROCESSING AND LOWER COSTS.

Only companies that deliver at the right time, in the right place and in the right quality can meet their customers' expectations. This is true not only in industry but also in retail or the parcels business and above all e-commerce, where speed and flexibility of goods handling are decisive. When combined with our customized and innovative auto ID products, our warehousing software offers a fully automated solution for your intralogistics processes.

THE PERFECT WAREHOUSE MANAGEMENT SYSTEM – “ON-PREMISE” OR CLOUD-BASED, CUSTOMIZED OR PRECONFIGURED

Warehouse Management & Warehouse Control System solutions from BOWE IQ are enterprise-level, high performance, networkable software automation solutions that manage and control virtually any warehouse

efficiently whatever its size. We are a recognized first, second and third tier supplier in numerous industries. And, as no two processes are the same, our solutions can of course also be customized to your individual needs.

However, you should also take a look at our preconfigured WMS & WCS systems! From hubs, distribution centers or depots through e-commerce, wholesalers and retailers to logistics providers and manufacturers, our WMS & WCS solutions – BOWE Hub, BOWE DC and BOWE Ecomm – are specifically designed and preconfigured for your particular field, so that they can be deployed quickly and efficiently. The warehousing software can be integrated into your existing IT environment “on-premise” or used as a cloud-based solution.

*Compared to warehouses without a WMS. May vary.

SMART SOFTWARE PRODUCTS



PROCESS OPTIMIZATION AND CONTROL: WMS & WCS



MANUFACTURING EXECUTION SYSTEM (MES)



TRACK & TRACE SOLUTIONS



INTEGRATION SOFTWARE



SMART SOFTWARE PLATFORM



CENTRAL & INTUITIVE MACHINE CONTROL



NETWORKED MAILROOM MANAGEMENT



WMS & WCS BOWE HUB

THE WAREHOUSE MANAGEMENT SYSTEM ESPECIALLY DESIGNED FOR HUBS & TRANSIT WAREHOUSES.

When a logistics network includes a hub, the end points are not directly connected to each other but rather all routes lead to and from a central point or hub. Received goods - usually in the form of large bulks such as pallets, packages or lengths - are sorted at the hub according to destination points or regions and in some cases repackaged as smaller units, relabeled, temporarily stored in the central warehouse or directly loaded for onward transport. This is precisely where BOWE Hub - our Warehouse Management System (WMS) & Warehouse Control System (WCS) - comes in. Customized and perfectly configured for the requirements of central hubs, it delivers maximum transparency and traceability for all internal logistics processes and also reveals hidden potential for improvements.

 INTRALOGISTICS

KEY FEATURES AT A GLANCE

- ✓ **GOODS RECEIPT**
- ✓ **STOCK CONTROL**
- ✓ **GOODS RETURNS**
- ✓ **REPORTING**
- ✓ **INSPECTION & QUALITY CONTROL**
- ✓ **DISPATCH**
- ✓ **PICKING**
- ✓ **LABEL MANAGEMENT**
- ✓ **CROSS-DOCKING**
- ✓ **MARSHALING**
- ✓ **LOCATION MANAGEMENT**



**DISCOVER MORE
BOWE HUB FEATURES**



EFFICIENT CROSS-DOCKING

With cross-docking, goods or mail pieces are not placed in storage but are routed directly to the recipient. These goods are either pre-picked by the sender or picked directly in the hub according to the job.

It is therefore all the more important to keep track of each individual item. Whether single-, two- or multi-level cross-docking, you have total transparency with BOWE HUB and the faster turnaround time significantly reduces handling and storage costs.

SMART SOFTWARE PRODUCTS



**PROCESS OPTIMIZATION AND CONTROL:
WMS & WCS**



MANUFACTURING EXECUTION SYSTEM (MES)



TRACK & TRACE SOLUTIONS



INTEGRATION SOFTWARE



SMART SOFTWARE PLATFORM



CENTRAL & INTUITIVE MACHINE CONTROL



NETWORKED MAILROOM MANAGEMENT



WMS & WCS BOWE DC

THE WAREHOUSE MANAGEMENT SYSTEM FOR GENERAL DISTRIBUTION CENTERS.

Distribution centers play an important role in the logistics chain as the points from which parcels, commodities, consumables and raw materials or components are forwarded to their destination. A combination of high-performance intralogistics solutions and automation software is vital in order to ensure a rapid throughput. Typically, individual items are consolidated using picking systems according to the job or client before being dispatched to retailers, manufacturing companies or final customers.

Often, this is undertaken by third party logistics providers that handle not just the warehousing and transport but also other services such as the organization and monitoring of goods and information flows. In the case of the food sector, the logistics additionally need to meet freshness and health requirements. Consumers are increasingly looking for high quality food and maximum transparency, for example as offered by seals and quality marks. In order to fulfill these conditions and guarantee fresh products, it is essential that all logistics processes work well and are fully traceable. BOWE DC, the Warehouse Management & Warehouse Control System, makes sure that is the case.

 INTRALOGISTICS

READ, PRINT & APPLY

The automatic allocation of items to the appropriate order is a crucial step in fulfillment. After all, this is the only way to ensure that a mail piece is delivered to the right recipient. The goods are first of all scanned for this purpose during the order process (read). A printed label for the best-suited mail service provider is then triggered automatically (print), and this label automatically or manually applied to the goods or mail piece packaging (apply).

In addition to an ideal software solution that can be flexibly retrofitted, BOWE IQ also has the necessary hardware in its portfolio in the form of hand-held scanners, label printers and packaging machines.

KEY SOFTWARE FEATURES AT A GLANCE

- ✓ **GOODS RECEIPT**
- ✓ **STOCK CONTROL**
- ✓ **GOODS RETURNS**
- ✓ **REPORTING**
- ✓ **BATCH/LOT NUMBER, BEST BEFORE (BBE) CONTROL**
- ✓ **REPACKING & CONTRACT PACKING (CO-PACK)**
- ✓ **STOCK ALLOCATION**
- ✓ **ORDER CONSOLIDATION**
- ✓ **AUTOMATED REPLENISHMENT**
- ✓ **PICKING, PACKING, LABELING, DISPATCH**



**DISCOVER MORE
BOWE DC FEATURES**



**PROCESS OPTIMIZATION
AND CONTROL:
WMS & WCS**



**MANUFACTURING
EXECUTION SYSTEM
(MES)**



**TRACK & TRACE
SOLUTIONS**



**INTEGRATION
SOFTWARE**



**SMART SOFTWARE
PLATFORM**



**CENTRAL & INTUITIVE
MACHINE CONTROL**



**NETWORKED
MAILROOM
MANAGEMENT**

WMS & WCS BOWE ECOMM

THE SMART WAREHOUSE MANAGEMENT SYSTEM FOR THE E-COMMERCE BUSINESS.

E-commerce just carries on booming. From multi-channel to cross-channel or omni-channel, widely differing sales channels have long been used either in parallel or simultaneously in order to offer final customers an outstanding buying experience at as many touch points as possible. In today's dynamic retail environment, modern online consumers want the option of being able to buy or return products anywhere. It should be as easy to buy from a physical store as it is to order online and then either pick up the goods or have them delivered to your home - and it should be equally simple to return them if necessary. Businesses need to be extremely flexible to meet these requirements. What's more, in the e-commerce sector, speed is of the essence. If at all possible, something that is ordered today needs to be delivered tomorrow. That in turns creates totally new challenges when it comes to warehouse management.

E-COMMERCE & RETAIL: SPECIAL INDUSTRY FUNCTIONS FOR SPECIAL REQUIREMENTS

BOWE Ecomm is a Warehouse Management System (WMS) and Warehouse Control System (WCS) that allows e-commerce businesses, wholesalers and retailers to control and monitor every logistics step from receipt of the order through picking to dispatch, whilst ensuring total transparency throughout the supply chain. BOWE Ecomm even has just the right solution for managing returns - traditionally a complex and costly affair. At the same time, BOWE Ecomm unlocks hidden potential and enables seamless real-time tracking using barcode or RFID technologies. Light or voice-controlled picking solutions can be integrated to simplify and speed up picking and reduce the error rate to a minimum when consolidating orders. Benefit from improved stock accuracy through smart planning coupled with a high degree of transparency and ongoing warehouse enhancements - with BOWE Ecomm!

 INTRALOGISTICS

KEY FEATURES AT A GLANCE

- ✓ **GOODS RECEIPT**
- ✓ **REPORTING**
- ✓ **LABEL MANAGEMENT**
- ✓ **PACKING**
- ✓ **DISPATCH**
- ✓ **WAREHOUSE MANAGEMENT/OPTIMIZATION**
- ✓ **GOODS RETURNS**
- ✓ **AUTOMATED REPLENISHMENT**
- ✓ **SYSTEM INTEGRATION**
- ✓ **PICKING, PACKING, LABELING, DISPATCH**

 **DISCOVER MORE BOWE ECOMM FEATURES**

SMART SOFTWARE PRODUCTS

 **PROCESS OPTIMIZATION AND CONTROL: WMS & WCS**

 **MANUFACTURING EXECUTION SYSTEM (MES)**

 **TRACK & TRACE SOLUTIONS**

 **INTEGRATION SOFTWARE**

 **SMART SOFTWARE PLATFORM**

 **CENTRAL & INTUITIVE MACHINE CONTROL**

 **NETWORKED MAILROOM MANAGEMENT**





BOWE MANUFACTURING EXECUTION SYSTEM

THE MES FOR THE MANUFACTURING INDUSTRY.

It's every manufacturer's nightmare: production comes to a standstill because components are missing or can't be found. With BOWE Manufacturing, that's a nightmare you'll never have to suffer again. BOWE Manufacturing MES is specifically designed for the needs of the manufacturing industry. It makes all activities and workflows seamlessly traceable throughout the production process - from the delivery of raw materials through storage and retrieval and processing to when the finished products are dispatched.

BOWE Manufacturing MES software will soon enable you to optimize your order processing times while reducing stocks and achieving consistent cycle performance. The software uses targeted analyses to identify bottlenecks or sources of error and ensure that raw and ancillary materials are delivered on time and in the correct quantities to wherever they happen to be required. It detects inadequate or excessive work in process and helps reduce picking and warehousing errors. In addition, it allows for predictive maintenance. You gain complete transparency along the entire in-house value chain, deliver to your customers on time and maintain your stock at the level that is best for you.

 INTRALOGISTICS  MAILROOM MANAGEMENT

- ✓ **RAW MATERIAL CONTROL**
- ✓ **SKILLS REGISTER**
- ✓ **ORDER SCHEDULING**
- ✓ **WORK IN PROCESS TRACKING ENVIRONMENT**
- ✓ **MACHINE MONITORING INCL. PREDICTIVE MAINTENANCE REQUIREMENTS**
- ✓ **STOCK ALLOCATION**

 **DISCOVER MORE
MES FEATURES**



SMART SOFTWARE PRODUCTS

-  **PROCESS OPTIMIZATION AND CONTROL: WMS & WCS**
-  **MANUFACTURING EXECUTION SYSTEM (MES)**
-  **TRACK & TRACE SOLUTIONS**
-  **INTEGRATION SOFTWARE**
-  **SMART SOFTWARE PLATFORM**
-  **CENTRAL & INTUITIVE MACHINE CONTROL**
-  **NETWORKED MAILROOM MANAGEMENT**



30 YEARS OF EXPERIENCE

TRACK & TRACE SOFTWARE

REAL-TIME TRANSPARENCY, TRACEABILITY, SUPPLY CHAIN OPTIMIZATION, ANTI-COUNTERFEITING AND ANTI-THEFT PROTECTION. CONSTANTLY INFORMED THANKS TO INNOVATIVE SECURITY FEATURES.

Tracking & tracing - in other words, precise labeling and identification as a condition of systematic, digitally based tracking and tracing of goods and objects of all kinds - is the key to meeting ever stricter requirements in a range of industries. Track & Trace, based on auto ID technologies like barcodes and RFID, accordingly has many different facets at BOWE IQ: our Asset Tracking & Asset Management software, for example, allows you to trace assets and track material flows or improve your production planning. Our Last Mile Delivery solutions ensure reliable, contactless delivery of parcels or e-commerce mail pieces. BOWE IQ serialization and decommissioning solutions protect medicines against counterfeiting and prevent product piracy.

PROFESSIONAL ADVICE, SMOOTH IMPLEMENTATION OF TRACK & TRACE SOFTWARE

BOWE IQ offers you more than simply innovative Track & Trace technology; you also benefit from expert advice and know-how accumulated over several decades. Building on more than 30 years of experience in Track & Trace technologies, BOWE IQ provides right answers with guaranteed real-time capability, reliable traceability and end-to-end security coupled with flexibility and scalability. You can be sure of getting an exact-fit solution that integrates seamlessly into your operational and IT environment, with all features ready to use without delay.

SMART SOFTWARE PRODUCTS



PROCESS OPTIMIZATION AND CONTROL: WMS & WCS



MANUFACTURING EXECUTION SYSTEM (MES)



TRACK & TRACE SOLUTIONS



INTEGRATION SOFTWARE



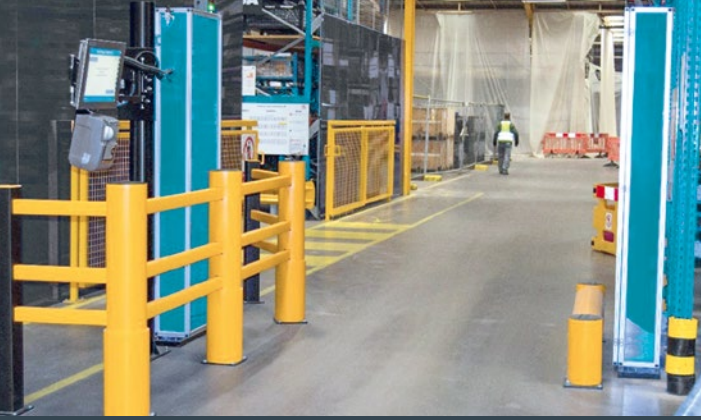
SMART SOFTWARE PLATFORM



CENTRAL & INTUITIVE MACHINE CONTROL

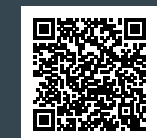


NETWORKED MAILROOM MANAGEMENT



PROTECT ASSETS AGAINST THEFT AND LOSS

Protect valuable assets against theft with our software! If a special tool, device, machine, container or vehicle moves when it is not supposed to, this will be reported to the system immediately by the active RFID tag. Our BOWE IQ AMS solution simultaneously ensures that your assets are always returned promptly and in proper condition. Not only does continuous tracking eliminate the need to purchase unnecessary replacements; it also leads to more careful handling of production materials. And when it comes to fast, automated pathway tracking, RFID gates can be a useful addition.



MORE INFO ON ASSET TRACKING & AMS SOFTWARE

ASSET TRACKING & ASSET MANAGEMENT

FOR SYSTEMATIC MANAGEMENT AND TRACKING OF PRODUCTION MATERIALS AND ASSETS.

Assets and production materials such as pallets, containers, devices, machines or vehicles often involve substantial investment. If such assets cannot be found or are not ready for use when needed, the resulting delays can drive up operating costs and impair quality or service. These time-consuming searches are now a thing of the past: with Asset Tracking & Asset Management software from BOWE IQ, you know where assets that are critical for your production or warehouse logistics are located at any given time and also what condition they are in. By automating the management and locating processes for physical assets, you can check their use and position whenever you wish. Unnecessary searching or waiting times during production runs are eliminated along with error-prone paperwork. BOWE Asset Management goes a step further: our software also supports asset management and scheduling. Using data on hours run or legal guidelines, for example, it is possible to automatically schedule machines for predictive maintenance.

 INTRALOGISTICS

 MAILROOM MANAGEMENT

KEY SOFTWARE FEATURES AT A GLANCE

✓ **FULLY COMPLIANT AUDIT TRAIL**

✓ **LOCATING IN REAL TIME**

✓ **AUTOMATIC ESCALATION OF ISSUES FOUND**

✓ **TRACKING OF ASSETS ACROSS MULTIPLE SITES**

✓ **DEVICE-INDEPENDENT APPLICATION**

✓ **DISCREPANCY CHECKING**

✓ **WORK IN PROCESS TIME MONITORING**

✓ **STOCK CONTROL IN REAL TIME**

✓ **MANAGEMENT OF THE ASSET LIFECYCLE**

✓ **PREDICTIVE MAINTENANCE & INSPECTION**



DISCOVER MORE FEATURES

SMART SOFTWARE PRODUCTS



PROCESS OPTIMIZATION AND CONTROL: WMS & WCS



MANUFACTURING EXECUTION SYSTEM (MES)



TRACK & TRACE SOLUTIONS



INTEGRATION SOFTWARE



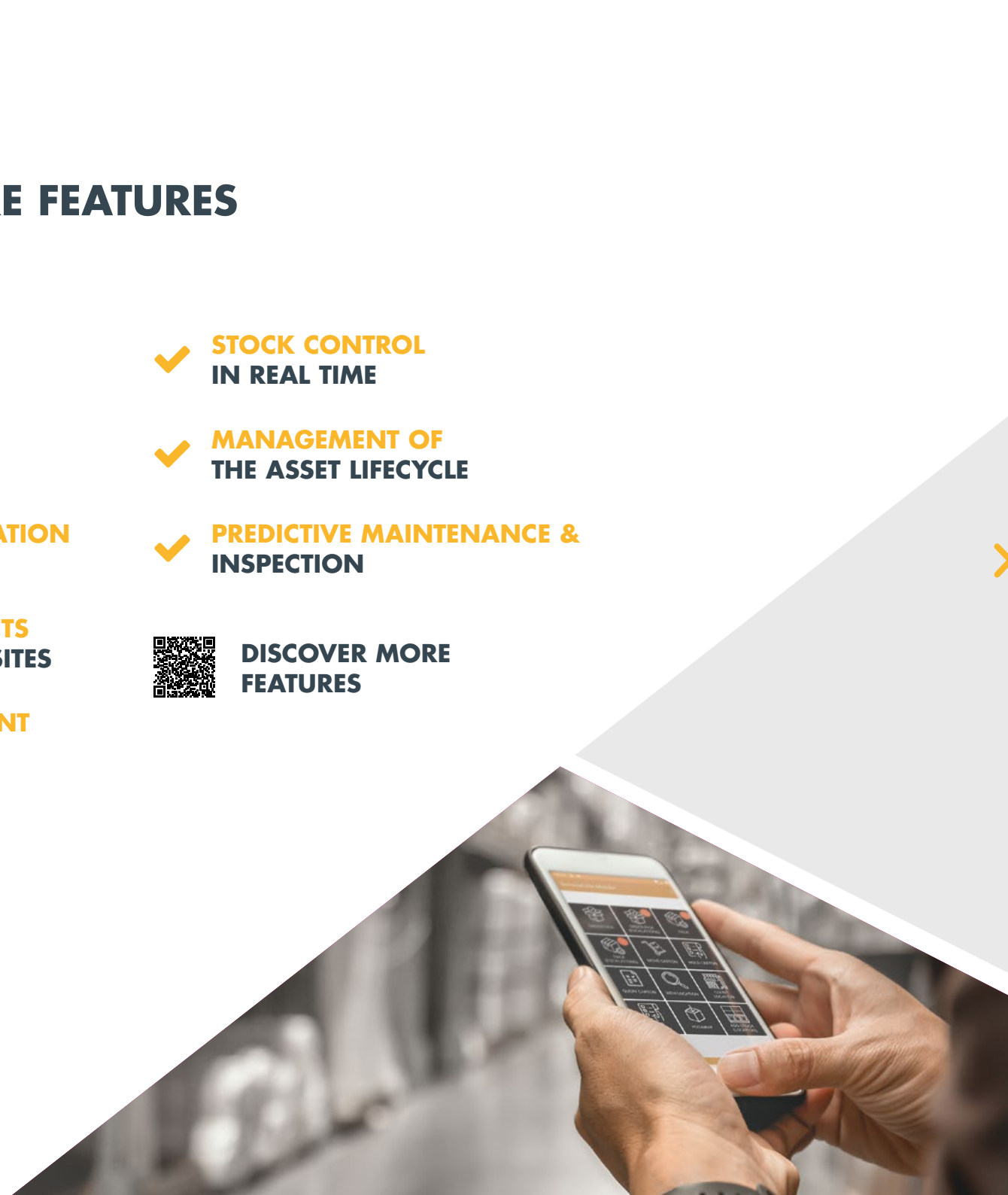
SMART SOFTWARE PLATFORM



CENTRAL & INTUITIVE MACHINE CONTROL



NETWORKED MAILROOM MANAGEMENT



LAST MILE DELIVERY SOLUTIONS

OVERCOME THE “CHALLENGING LAST MILE” WITH THE BOWE IQ APP.

You're expecting a delivery but just have to pop out for a moment, and when you get back you find a "Sorry, we missed you" notice in your mailbox. This isn't just a problem for customers, but also for postal and CEP services that have to schedule deliveries to customers' homes. For many delivery companies, that last mile remains an expensive affair. It doesn't have to be that way! Optimize your delivery routes automatically in advance and engage in active dialog with recipients from the outset thanks to Last Mile Delivery solutions from BOWE IQ.

CLEVER FEATURES FOR LAST MILE LOGISTICS

The ability to specify a desired delivery slot and keep the recipient constantly updated on progress via text message or email are just two of the features that increase the chances of successful delivery. Routes can be better planned and additional costs avoided. One feature that

particularly helps the driver is that if, for example, traffic or weather conditions change during the trip, the delivery vehicle can be automatically rerouted based on real-time information. Mail piece tracking means that recipients always know where their package is - last mile delivery logistics has never been so easy!

READY TO USE INSTANTLY: THE LAST MILE DELIVERY APP

As an alternative to purchasing and using additional devices to record package receipt, running our app on your drivers' business or personal smartphone represents a really clever and easy-to-use Last Mile solution. The app is quick and simple to install on any Android-based cell phone or tablet, and recipients can confirm receipt by signing directly on screen.

 INTRALOGISTICS

 MAILROOM MANAGEMENT

KEY FEATURES AT A GLANCE

- ✓ **AUTOMATED ROUTE MAPPING BASED ON CUSTOMER DELIVERY TIME REQUESTS**
- ✓ **FULL VEHICLE & DRIVER MANAGEMENT**
- ✓ **SEAMLESS PROGRESS TRACKING**
- ✓ **AUTOMATIC REAL-TIME ROUTE OPTIMIZATION DURING THE TRIP**
- ✓ **AUTOMATED REAL-TIME COMMUNICATION WITH THE RECIPIENT**
- ✓ **CONTACTLESS & PAPERLESS DELIVERY**
- ✓ **LINKABLE TO 3RD PARTY VEHICLE TRACKING SOFTWARE**
- ✓ **ELECTRONIC PROOF OF DELIVERY (EPOD) VIA APP**

CONTACTLESS DELIVERY & APP-BASED ELECTRONIC PROOF OF DELIVERY

Confirmation of receipt is possible in the BOWE IQ app itself - either by means of a signature on the driver's mobile phone or, if the recipient has given permission to leave the item in an agreed place, using a photo as contactless proof of delivery. The best thing about this Last Mile solution is that it can be used immediately. All you need is an Android device and you're ready to go.



MORE INFORMATION ON THE DRIVER APP



SMART SOFTWARE PRODUCTS



PROCESS OPTIMIZATION AND CONTROL: WMS & WCS



MANUFACTURING EXECUTION SYSTEM (MES)



TRACK & TRACE SOLUTIONS



INTEGRATION SOFTWARE



SMART SOFTWARE PLATFORM



CENTRAL & INTUITIVE MACHINE CONTROL



NETWORKED MAILROOM MANAGEMENT

SERIALIZATION & DECOMMISSIONING

TOTAL SECURITY COMBINED WITH 100% TRACEABILITY THROUGH END-TO-END SERIALIZATION.

Product piracy is a global scourge. As a track & trace specialist with years of experience, we have developed serialization solutions that are ideal wherever counterfeits need to be eliminated, be they branded goods or medicines. Our serialization software delivers absolutely precise, audit-proof data processing. It also ensures that the location of any product is known at any given time and that it is impossible to issue the same serial number

twice anywhere in the world. With its open interfaces, our scalable Track & Trace software can be adapted to meet individual customer requirements while site servers allow entire sites to be networked as you pave your way toward Industry 4.0.

 INTRALOGISTICS

KEY FEATURES AT A GLANCE

- ✓ **AUTOMATIC SERIALIZATION WITH IMPRINTING OF THE DATA MATRIX CODE ON UNPRINTED PACKAGING**
- ✓ **CHECKING OF PRINT QUALITY OR SAMPLING BY HAND-HELD SCANNER**
- ✓ **AUTOMATIC DECOMMISSIONING**
- ✓ **VERIFICATION OF PRE-PRINTED OUTER PACKAGING**
- ✓ **TARGET/ACTUAL COMPARISON OF THE BATCH (FULL CONTROL)**

BOWE IQ serialization software allows the position of every single unit to be tracked and traced at any time and is available for three different levels:



SMART SOFTWARE PRODUCTS

 **PROCESS OPTIMIZATION AND CONTROL: WMS & WCS**

 **MANUFACTURING EXECUTION SYSTEM (MES)**

 **TRACK & TRACE SOLUTIONS**

 **INTEGRATION SOFTWARE**

 **SMART SOFTWARE PLATFORM**

 **CENTRAL & INTUITIVE MACHINE CONTROL**

 **NETWORKED MAILROOM MANAGEMENT**



BOWE 4.0

THE CLEVER INTEGRATION SOFTWARE FOR YOUR SMART FACTORY.

Alongside digitization and the Internet of Things (IoT), talk in the manufacturing world – especially when it comes to increasing efficiency and optimizing production runs – is all about smart factories. The term smart factory refers to a vision in which an intelligent plant organizes and controls itself, makes customized products in batches that could be as small as just a single item and employs flexible automation solutions to achieve products matching individual customer requirements – whether in a mail production center or in the manufacturing industry. Machines independently coordinate production processes, cobots interact intelligently with human beings in the assembly shop and autonomous guided vehicles (AGVs) handle logistics assignments without any manual intervention. Make your company fit for the future and choose us as your technology partner for automation solutions as you move toward making your factory smart!

TRANSPARENCY & TRACEABILITY IN DIGITIZED PRODUCTION

BOWE 4.0 enables seamless monitoring and administration of every step in the production process as well as systematic networking of all components involved in value generation – whether human beings, machines or products. Barcode, RFID or RTLS (Real Time Locating System) technologies ensure transparency and traceability in the internal value generation process and allow seamless real-time tracking of production steps – from the receipt of the raw material to delivery of the finished product to the customer. This speeds up production processes while making them more flexible and more cost-effective. Resources are used optimally and quality is improved.

-  INTRALOGISTICS
-  MAILROOM MANAGEMENT

SMART SOFTWARE PRODUCTS



PROCESS OPTIMIZATION AND CONTROL: WMS & WCS



MANUFACTURING EXECUTION SYSTEM (MES)



TRACK & TRACE SOLUTIONS



INTEGRATION SOFTWARE



SMART SOFTWARE PLATFORM



CENTRAL & INTUITIVE MACHINE CONTROL



NETWORKED MAILROOM MANAGEMENT



**INTUITIVE
OPERATION**

ORBITER

THE SMART SOFTWARE PLATFORM FOR INDUSTRIAL ENVIRONMENTS.

Through the Orbiter software platform, BOWE IQ has succeeded in bringing the benefits of modern software to industrial environments. Complex programming of BOWE SYSTEC systems or BOWE INTRALOGISTICS sorters is now a thing of the past - instead, you control production from a central platform with apps that are easy to use and clearly structured. As a modern, central software platform, Orbiter offers a series of apps for setting up and controlling inserting systems, card logistics and card mailing systems or sorters as well as for evaluating production. It lays the foundation for digital networking of the entire production process and provides all relevant information in real time. All apps share the same ease of use and clear structure, so that complex tasks become simple and intuitive.

- INTRALOGISTICS
- MAILROOM MANAGEMENT

- ✓ **ONE CENTRAL SOFTWARE PLATFORM**
- ✓ **THE RIGHT APP FOR EVERY TASK**
- ✓ **INTUITIVE CONTROL CONCEPT & UNIVERSAL DESIGN**
- ✓ **"PAY AS YOU GROW"**
- ✓ **MORE EFFICIENT & ERROR-FREE WORKFLOWS**



SMART SOFTWARE PRODUCTS

PROCESS OPTIMIZATION AND CONTROL: WMS & WCS

MANUFACTURING EXECUTION SYSTEM (MES)

TRACK & TRACE SOLUTIONS

INTEGRATION SOFTWARE

SMART SOFTWARE PLATFORM

CENTRAL & INTUITIVE MACHINE CONTROL

NETWORKED MAILROOM MANAGEMENT



SYSTEM & MACHINE CONTROL

BOWE IQ CONTROL SOFTWARE FOR BOWE SYSTEC SYSTEMS AND BOWE INTRALOGISTICS SORTERS. CENTRAL, INTUITIVE, NETWORKED.

A well thought-out control concept enables machines to be used simply, safely and efficiently. By automating and simplifying difficult or monotonous tasks, the strain on operators is reduced and less set-up time is needed. Not only does this mean greater employee motivation, but it also ensures systems are optimally utilized and improves overall production quality and performance.

The seamless, well thought-out user interface design of BOWE IQ's machine control software employs graphics for guidance and delivers an end-to-end user experience, helping to avoid

mistakes and generating advance alerts regarding upcoming tasks. The software's simple, self-explanatory concept reduces training requirements, and the fact that BOWE systems can be operated and controlled from a single central point is a further plus. Your operators will be delighted by the intuitive design of our human-machine interfaces (HMI). Our Orbiter software platform naturally features a structured hierarchy and permissions concept, so that you can assign individual roles to all users. Systems of the same type can moreover be networked with each other at machine, site or corporate level.

SMART SOFTWARE PRODUCTS



PROCESS OPTIMIZATION AND CONTROL: WMS & WCS



MANUFACTURING EXECUTION SYSTEM (MES)



TRACK & TRACE SOLUTIONS



INTEGRATION SOFTWARE



SMART SOFTWARE PLATFORM



CENTRAL & INTUITIVE MACHINE CONTROL



NETWORKED MAILROOM MANAGEMENT





BOWE SORT

SMART SORTING SOFTWARE FOR CONTROLLING BOWE SYSTEC AND BOWE INTRALOGISTICS SORTING SYSTEMS.

The Orbiter software platform has also brought a new generation of software to mail sorting: BOWE Sort. Easy-to-use and clearly structured apps enable intuitive control of BOWE SYSTEC and BOWE INTRALOGISTICS letter and parcel sorting systems. And because no two sorting centers are alike, BOWE Sort offers customized solutions to meet individual requirements.

The universal design of the software across all BOWE sorting systems, the intuitive operating concept and the fact that all systems can be networked with each other lay the foundation for measurable productivity gains: sorting runs can be prepared in minutes and processes monitored and optimized at system or site level. Database-controlled production additionally means that seamless tracking of items guarantees maximum integrity and traceability.

BOWE Sort supports interfacing to a higher-level ERP system and allows individual sorting schemes to be defined that match your requirements. For us, this is simply what our customers have a right to expect. But were you aware of such clever features as automated returns processing or automated sorting of mail in the order of the parcel delivery staff's routes? Discover more smart functions to further improve your sorting processes and save your employees an enormous amount of time in their daily routine.

 INTRALOGISTICS  MAILROOM MANAGEMENT

KEY SOFTWARE FEATURES AT A GLANCE

- ✓ **DEFINITION OF INDIVIDUAL SORTING SCHEMES**
- ✓ **SEQUENCING ALONG THE MAIL CARRIER'S ROUTE**
- ✓ **DYNAMIC SELECTION OF VARIOUS PRINT LAYOUTS**
- ✓ **INTERFACING TO A HIGHER-LEVEL ERP SYSTEM**
- ✓ **FILTERING OUT OF REDIRECTED MAIL**
- ✓ **DYNAMIC LABELING**
- ✓ **AUTOMATED SORTING OF RETURNS**
- ✓ **DYNAMIC CUSTOMER SWITCHING WITH NO LOSS OF TIME**
- ✓ **POSTAL TRAY SORTING**
- ✓ **POSTAGE OPTIMIZED SELECTION OF POSTAL SERVICES**
- ✓ **FILTERING OUT OF SPECIAL ITEMS**

Some of the features listed here are optional.

SAVE TIME & MAILING COSTS

It's difficult to keep on top of the postal services' price jungle, so it's just as well that our systems save you the trouble and during the sorting run automatically select the best and cheapest postal service for every individual item on the basis of address data, weight and dimensions as well as the time stamp.

In the sorting process, the mail pieces are then sorted fully automatically into the processing line of the selected parcel service. That brings with it the added benefit that franking is no longer necessary, because the relevant billing data is simultaneously calculated for the customer to be invoiced individually.



SMART SOFTWARE PRODUCTS

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IDEAL NO MATTER HOW SHORT OR LONG THE RUN

The trend toward shorter runs is a major challenge for many BOWE SYSTEC customers in both the mailing and the transactional segment. Our Small Batch Processing Software developed specifically for the Fusion Series turns small job processing into profitable high-performance production. Several small jobs are bundled together on a roll and processed fully automatically. A special highlight is that any necessary adjustments are made automatically. All the operator needs to do is change the enclosures or envelopes.

BOWE COCKPIT

INTUITIVE OPERATION OF BOWE SYSTEC INSERTING AND CARD MAILING SYSTEMS.

BOWE Cockpit control software allows both BOWE SYSTEC inserting systems and card mailing systems to be controlled intuitively and set up quickly - from one central point. Complex programming routines become a thing of the past - all you have to do is describe the material to be processed and the machines prepare themselves for production, speeding up changeovers. These descriptions, referred to as "recipes", can be written in advance, copied and flexibly transferred to other networked systems consisting of the same type of machine - very much the smart factory in action. The machine is then adjusted automatically.

Thanks to the clearly structured GUI and the use of graphics for guidance, BOWE Cockpit's intuitive touch screen-based HMI (human-machine interface) turns controlling the system into child's play. Users are guided through the various order processing steps, with only the relevant control elements being activated. Logical steps are highlighted while the interactive help function supports manual set-up and troubleshooting. In the long term, the software minimizes training requirements and reduces downtime and errors, enabling individual systems to be used more efficiently.

BOWE Cockpit moreover brings a range of reporting options to the system level and can be upgraded at any time by adding further reporting apps from the BOWE One family. The ANV/DBDI app ensures the necessary processing integrity. Transform your mailroom into a profitable, high-speed production facility - with BOWE Cockpit.

 MAILROOM MANAGEMENT

SMART SOFTWARE PRODUCTS



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NETWORKED MAILROOM MANAGEMENT



BOWE CARD MANAGER

CONTROL SOFTWARE FOR THE BOWE WATERMILL CARD STORAGE SYSTEM.

Send personalized plastic cards to the card holder 100% securely. Reduce manual set-up time, optimize card sequences and improve the utilization of your card mailing systems with the Watermill card storage system and our Card Manager control software.

The Watermill card storage system stores a large number of personalized or non-personalized plastic cards from different jobs in no particular order and then uses the customer database to dispense them in the desired sequence. Time-consuming and error-prone manual pre-sorting according to individual jobs is no longer required. The software handles everything fully automatically.

 MAILROOM MANAGEMENT



All cards intended for the same recipient can be attached to the same carrier document irrespective of the card type.



If a card does not match a carrier or if the carrier document is diverted, the plastic card is simply held back and temporarily stored in the Watermill module until the right document is available.



As a stand-alone solution, Watermill can be used as a mini vault for fast output of frequently processed card types, for instance.

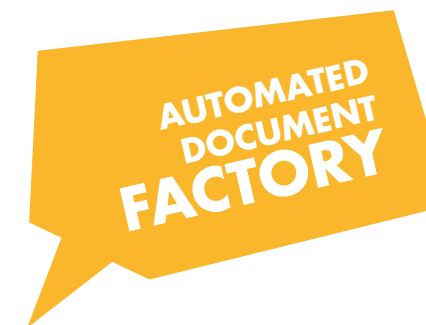
ANV/DBDI

SEAMLESS ITEM TRACKING AT SYSTEM LEVEL ENSURES MAXIMUM INTEGRITY.

This software solution paves the way for the Automated Document Factory: Account Number Verification (ANV) seamlessly monitors processing of each individual document at system level. In conjunction with Data Base Driven Inserting (DBDI), ANV takes over a target list containing processing information from a higher-level system. The document status is continuously logged during processing and faulty documents are diverted without stopping the system.

At the end of the process, the target and actual data are compared, and this information forms the basis for automatic reprinting. In short, ANV and DBDI help you seamlessly monitor and automate all details of document processing at machine level. They also serve to provide essential data for seamless item tracking at site or corporate level using our BOWE One mailroom management software – all with the highest possible integrity!

 MAILROOM MANAGEMENT



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NETWORKED MAILROOM MANAGEMENT



BOWE ONE

MODERN MAILROOM MANAGEMENT SOFTWARE FOR NETWORKED PRODUCTION IN YOUR PRINTING AND FULFILLMENT CENTER.

BOWE One offers a multitude of central, system-wide functions for inserting and card mailing, and meets all the requirements for automated document factories (ADF) and closed loop processing. The software controls and tracks every document throughout the production process by constantly comparing status information in the database with data processed in real time. Sensors and the ANV/DBDI tracking software at system level serve to provide essential data for seamless item tracking at site or corporate level using BOWE One. Incorrectly processed documents are identified and diverted, and the reprint process is automatically initiated. Database-controlled production additionally means that you never lose sight of what's going on while seamless item tracking guarantees maximum integrity. Analyze data and organize the entire workflow even more effectively. Unlock unused capacity and employ resources better.

Reap the benefits of networked production and optimize your processes across whole systems and sites using precise, real-time data - anytime, any place.

 MAILROOM MANAGEMENT

NETWORKED PRODUCTION

- ✓ **DATABASE-CONTROLLED PRODUCTION AT SITE & CORPORATE LEVEL**
- ✓ **SITE-WIDE MONITORING & IMPROVEMENT OF THE ENTIRE PRODUCTION PROCESS**
- ✓ **TRANSPARENT & CENTRAL JOB MANAGEMENT**
- ✓ **OPTIMIZED PRINT PREPARATION**
- ✓ **OPTIMUM RESOURCE UTILIZATION & HIGH PRODUCTIVITY**

SMART SOFTWARE PRODUCTS

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 **SMART SOFTWARE PLATFORM**

 **CENTRAL & INTUITIVE MACHINE CONTROL**

 **NETWORKED MAILROOM MANAGEMENT**

INTEGRATION & INTERFACES

BOWE IQ's open-interface software can be precisely tailored to your company's individual requirements and guarantees 100% security combined with tracking & tracing along the entire process chain.

It can even communicate with third party systems as it supports interfaces to standard L4/5 systems. The open software architecture means that interfaces to other systems are likewise possible.

VALUE-ADDING TECHNOLOGIES

Our high-performance BOWE IQ software forms an overall package that is rounded off perfectly with the help of various advanced technologies. In combination with innovative auto ID products such as barcode, RFID, voice or sensor technologies, you can take your supply chain performance to a whole new level!



MOBILE DEVICES & USE YOUR OWN DEVICE



APP-, WEB- & CLOUD-BASED SOLUTIONS



HMI & RESPONSIVE DESIGN



BIG DATA



DASHBOARD



INTERFACE MANAGEMENT



PICK-BY-VISION, PICK-/PUT-TO-LIGHT, VOICE PICKING



RFID TAGS & GATES



REAL TIME LOCATING SYSTEMS (RTLS)



GPS



SENSOR TECHNOLOGY



VISION SOLUTIONS

PLANNING, CONSULTING & SUPPORT: CUSTOMIZED SOLUTIONS THAT EXACTLY FIT YOUR NEEDS

Smart, flexible software from BOWE IQ: customized and precisely tailored to your requirements. Because no two workflows are the same.

Solutions that all share a common goal: to make complex and demanding tasks simpler and more efficient. Take advantage of our high-performance software solutions, backed up by years of experience that you can rely on.

DO YOU HAVE ANY QUESTIONS?



ASK FOR PERSONAL ADVICE



BOWE GROUP

AUTOMATION FOR EXPERTS BY EXPERTS

The BOWE GROUP is one of the world's leading suppliers of smart automation and IoT solutions for the entire internal added value chain and beyond. The Group's strong brands are active in the fields of document and card processing as well as mail logistics, intralogistics and software. Now part of the financially strong Possehl Group of Lübeck (Germany), our solutions have optimized work and production flows for over 75 years across a wide range of industries. Our goal is to give our customers a decisive edge in their market through innovative and customized technologies.

BOWE SYSTEC

INSPIRING TECHNOLOGY

Secure, efficient and flexible solutions for mailroom management, card logistics and letter and mixed mail sorting.

BOWE IQ

IOT SOFTWARE SOLUTIONS

From machine control through process optimization to Track & Trace, smart IoT software solutions along the entire value chain make your business fit for the future.

BOWE INTRALOGISTICS

WE SPEAK INTRALOGISTICS

Conveyor systems, intralogistics solutions and parcel sorting systems from BOWE INTRALOGISTICS optimize material flows, processes and internal operations.

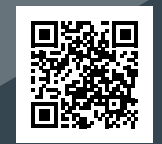
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BY YOUR SIDE WORLDWIDE

Our software is designed, developed and programmed in-house at our Headquarters in Augsburg and our software center of excellence in the UK. With five R&D and production centers in Augsburg, the Netherlands, Sweden and the UK as well as 20 subsidiaries in Europe, the US and Japan and over 50 general representatives, we are by your side worldwide - with a direct contact who speaks your language and can be reached at any time.

Have you got plenty of ideas but don't really know where to start? BOWE IQ's team of experts have the answers and will be happy to get together with you to come up with the perfect solution. From system control through process optimization to tracking; smart software solutions make your operations fit for the future and help you adapt your business model to the digital world. Contact your local BOWE IQ expert today!



**FIND YOUR LOCAL
BOWE CONTACT
IN YOUR COUNTRY**

trumedia.de 2022

LEGAL NOTICE

BÖWE SYSTEC GmbH
Werner-von-Siemens-Str. 1
86159 Augsburg | Germany
Phone +49 821 5702-0
Fax +49 821 5702-234
info@bowe.com
www.bowe.com

Managing Director: Joachim Koschier

Registered Office: Lübeck
Company Registration No.: HRB 10736 HL

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**DO YOU HAVE ANY
QUESTIONS?**



**ASK FOR
PERSONAL
ADVICE**



BY YOUR SIDE, RIGHT FROM THE START

From planning to implementation and beyond. We support you! Any time, any place, at any stage of your project. We create digital & efficient infrastructures. To make sure your processes fly.

Take advantage of our high-performance IoT solutions, backed by years of experience that you can rely on.



FIND YOUR LOCAL
BOWE CONTACT IN
YOUR COUNTRY



developed by
BOWE
GROUP