— What ASSIST4 can do

Facts about the functional scope and features of ASSIST4, the IT suite by AEB for automating and standardizing all processes in foreign trade and logistics.

AEB ▪▪▪▪

ASSIST4 is the comprehensive software suite for all logistics processes in global business.

ASSIST4

| Warehouse Management | Transport Management | Freight Management | Customs Management | Monitoring & Alerting | Compliance |

ASSIST4 is the comprehensive solution suite for all the logistical processes in global trade. ASSIST4 offers a complete set of business services for end-to-end logistics, including international goods movements, making it possible to standardize and automate your business processes in supply chain execution. ASSIST4 also creates transparency and provides a reliable basis for you to make the right decisions about the planning, monitoring, control and continual optimization of your supply networks—even beyond the boundaries of your own business.

Warehouse Management

ASSIST4 Warehouse Management has the goods to optimize your order management.

ASSIST4 Warehouse Management has all the features you need to manage warehouses and distribution centers: goods receipt control, site and yard management, inventory monitoring and slotting optimization. All internal goods movements are transparent, and error resistance is built into the initiation and execution of the picking process. Integration with ASSIST4 Transport and the other modules yields even greater performance and quality throughout the supply chain execution.

DC TopoLogy: ASSIST4 maps any type of warehouse or distribution center: storerooms, transfer storage facilities, distribution centers, modular shelf systems, revolving shelf systems, pallet shelves, bulk storage facilities, free warehouses, high-bay storage areas, small parts warehouses and many more. Each bin location is memorized and can be identified down to the shelf or tray level, so that the system contains a 1:1 mapping of your actual warehouse. It's even possible to map hierarchical warehouse structures—for example, if a warehouse includes one or more sub-warehouses but you still need higher-level or cumulative inventory information.

Intake-Grity: ASSIST4 Warehouse Management supports the entire goods receipt process: from the receipt of pallets and warehouse utilities to material and quantity checks, returns handling and optimal storage bin placement. ASSIST4 even handles steps such as repackaging, palletization, labeling and QA testing to ensure an error-free basis for all warehouse data.

Warehouse Cockpit: All inventory is transparent. All goods movements are monitored. ASSIST Warehouse Management monitors all warehouse orders down to the level of the individual transport order. Bin and resource capacity utilization is visualized here in real time. Even communication with the material flow computer that controls automated storage and conveyance technology is monitored. Effective search tools like the Stock Cockpit also give you continuous real-time visibility of stock levels in the various warehouse locations all the way down to the material level.

Warehouse Mobil-IT-izer: ASSIST4 delivers mobility so you can harness the full efficiency potential in your warehouse processes—whether you're using a wireless handheld device to check incoming goods or executing paperless picking. You even have a mobile connection to forklift control systems. Auto ID technologies such as bar codes and RFID enable continuous control of the material flow.

IntelliCount: Everyone needs to take physical inventory, but it doesn't have to be a headache. ASSIST4 Warehouse Management handles the counting but lets you determine the method: periodic inventory, continuous inventory—even sample-based inventory, where permitted under law. You can choose between physical inventory based on the material or the bin.

Auto Replenishment: ASSIST4 gives you great flexibility in controlling replenishment—which is particularly helpful where fast-moving items are stored and picked. This completely automated feature ensures that your stock never falls below a defined minimum level. Fast-moving merchandise is flagged early on and automatically replenished before it can run out. The result is more efficient warehouse processes, with significantly streamlined picking and replenishment control as a manageable, ongoing standard process. ASSIST4 Warehouse Management even lets you implement VMI solutions.
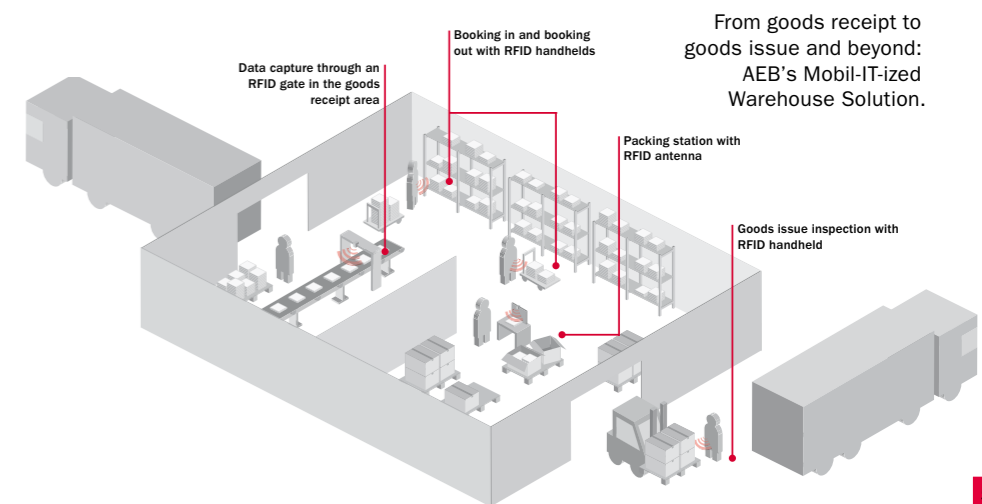
Work-Force-Balancer: How you deploy your workforce in the warehouse is critical for the performance of your warehouse processes. ASSIST4 has various tools to help you adapt your resource planning to actual conditions so you can respond quickly even to unanticipated fluctuations. This yields constant transparency in the capacity utilization of the picking and packing workforce. Spikes in demand are identified early on through resource planning, making it possible to respond proactively. Above all, this provides the flexibility needed for prioritized control of order management even in peak times.

Perfect Picking: It doesn't matter whether you prefer one-phase picking based on a resource-guided pull principle, two-phase picking in batch runs or picking optimized by zone, time or quantity. You can even employ a combination of the various strategies. Document-free picking is supported by applications for mobile recording devices in the same way forklift control systems are. ASSIST4 Transportation seamlessly integrates the subsequent process transition to packaging and loading.

HU Handling: Dividers such as pallets, crates or workpiece holders are of tremendous importance in facilitating the storage and handling of warehouse goods. ASSIST4 Warehouse Management plays just as important a role by allowing unlimited management of merchandise and dividers within so-called handling units. Handling units and ASSIST4 HU Handling accelerate your warehouse processes, whether you use dividers to combine warehouse merchandise or to protect your warehouse goods by manipulating conveyance methods or affixing information.

Cross Dock: ASSIST4 Warehouse Management supports all modes of direct cross-docking (especially items with a fast turnover) and, together with ASSIST4 Transport Management, offers the necessary execution tools to efficiently cross-dock merchandise for immediate onward shipping. Since ASSIST4 supports both processes—picking and consolidations—you have the option of either one-phase or two-phase cross-docking.

From goods receipt to goods issue and beyond: AEB's Mobil-IT-ized Warehouse Solution.

Data capture through an RFID gate in the goods receipt area

Booking in and booking out with RFID handhelds

Packing station with RFID antenna

Goods issue inspection with RFID handheld

NEW YORK HONGKONG LONDON STUTTGART

TOKYO PARIS MOSCOW SINGAPORE

Transport Management

If warehouse management is the heart of supply chain execution, transportation management is the bloodstream.

ASSIST4 Transport Management lets your goods and information flow: standardized and automated along the supply chain you define. Jobs are consolidated to save costs and the most affordable carrier is automatically selected for each job—in both procurement and distribution processes. The ASSIST4 Docu-Scout applies defined rules to suggest all the documents and electronic messages required for complete 4C compliance.

IntegRates: ASSIST4 Transport Management lets you enter and process jobs. Jobs are often transferred from other systems such as SAP®, Microsoft Dynamics®, Oracle, Infor, etc. Business objects such as orders, deliveries or invoices are the basis.

ConsoliDates: ASSIST4 monitors and controls this transfer, consolidating the data according to predefined rules. For example, multiple orders for the same customer are consolidated onto one delivery note. This process paves the way to enormous savings, since it drastically cuts documentation, handling and transport costs.

Forwarder Finder: This business service provides you with information on pricing, schedules and routing for the service types of over 50 carriers, forwarders and courier/express/parcel services worldwide. Your individual service level agreements (SLAs) are also loaded for easy comparison. ASSIST4 uses all this information to automatically select the fastest or most cost-effective carrier for your deliveries.

Carrier Connections (Freight Forwarder Integration): The transport service provider connections in ASSIST4 let you take advantage of all the cost benefits your transport partners offer: ASSIST4 automatically ensures correct printing of the labels, including bar codes. Manifests and loading lists are also auto-generated and transmitted electronically at pre-defined times. It's even possible to automate the issuance of transport orders.

4C Compliance: Anyone who is part of a supply network knows that collaboration only works together with cooperation and consistency. All the businesses and organizations involved in a transaction must be consistent in following the agreed rules and specifications. And this is precisely one of the major benefits of ASSIST4. Your business processes are standardized, so you can reach what is known as "4C compliance": corporate, customer, carrier and customs. ASSIST4 plays by the rules and secures your processes according to the specifications of your company, customers, supply chain partners and, last but not least, the rules set by the customs office. A perfect example: the Docu-Scout.

Docu-Scout: The ASSIST4 Docu-Scout applies all 4C compliance specifications in automatically determining all the forms, business papers and EDI messages relevant to each process—for nearly every country and carrier. A consignment can't leave your plant until the necessary messages and labels have been created. A customs consignment requires a customs declaration. And if a forwarder requires a proforma invoice, ASSIST4 will let you know. This enables secure, automated and standardized processes, enhances the quality of your workflow, reduces delays and reinforces the relationship to your customers, suppliers and partners.

One-Stop Shop Packing: ASSIST4 combines multiple supply chain execution steps in one place: the packing station, a highly integrated workstation designed for highly efficient checking, packing and weighing of picked goods. Scanners and integrated scales minimize the data that needs to be input through the mouse and keyboard—thereby reducing the error rate. Much of the work handled here would otherwise have to be done in the despatch office, such as printing delivery notes, packing lists and the corresponding labels.

IntelliTrackIT: ASSIST4 doesn't just help you with your supply chain execution. It also provides comprehensive support in controlling and monitoring your supply chain. Every business process handled through ASSIST4 can be tracked in ASSIST4 Monitoring & Alerting. This gives you complete transparency or visibility. ASSIST4 Monitoring & Alerting also proactively monitors all scheduled process runtimes (see page 14). Conversely, every object that ASSIST4 processes in your supply chain execution contains an overview of all associated events and messages received up to that time, so you have complete visibility even at the execution level.

Freight Management

Much more than just transparent transports: Minimize your freight costs. Maximize your cash flow.

ASSIST4 Freight gives you efficient control over your transport costs, letting you know in advance exactly what your costs will be and providing you with self-billing and e-billing options to automate your invoice processes while giving you complete control over costs throughout the entire process. It doesn't matter whether you calculate your freight costs in advance to support sales or during goods issue/receipt.

Quotes & Contracts Qualifier: A complete set of quotes is the basis of all freight calculation. ASSIST4 works with your quotes, analyzing the various methods of calculation, cost components (weight, distance in road kilometers or tariffs, zone- and freight-dependent costs) and SLAs. Quotes that would otherwise be inscrutable—road, air or sea, even in foreign currencies—can then be compared with the click of a mouse.

Freight Cost Calculator: ASSIST4 uses this basis to calculate your freight costs for each delivery or transport so that information on freight costs are uniform throughout the company and always up to date. This makes it possible to quickly and securely automate the reallocation of freight costs to customers, suppliers or internal cost centers.

AlternaTips: Simulations and advance inquiries also utilize the base quotes, lending flexibility to the decision-making process. Which mode of transport would be most affordable? Which carriers are possibilities for a given route? Which of those is the most cost-effective? The most reliable? The Freight Calculator business service has answers to all these questions.

Auto Audit: Double-checking incoming freight invoices is time-consuming, which is why many companies unfortunately never get around to it. ASSIST4 Freight gets you back on track. ASSIST4 is familiar with all the quotes and has often calculated the freight costs in advance, so incoming invoices are automatically double-checked. If the invoice matches the precalculation, payment instructions are automatically forwarded to Financial Accounting. But if the ASSISTant finds a discrepancy, a proactive alert is generated.

Self-Billing: Switching to a self-billing procedure is faster still. Instead of waiting for the invoices from your transport service providers, you can send them "credit notes" for the freight costs calculated by ASSIST4.

E-Billing Enabler: All these processes for calculating and paying freight costs can be carried out electronically with even greater automation. ASSIST4 can initiate payment transactions in your financial system, receive and process electronic invoices such as those in EDI format from your business partners and transmit the credit notes back along the same path.

Simulations: Trial without error: ASSIST4 Freight Management lets you experiment with individual transports or entire fiscal years from an entirely different perspective. Would a different business partner be more affordable? Could we save transport costs by restructuring our regional warehouses? ASSIST4 Freight knows the answers to these questions as well.

Fast forward for freight forwarders.

Freight forwarders and carriers can also benefit by using ASSIST4 to streamline and automate their routines, enhancing their operational agility to better and more cost-effectively fulfill the wishes of their customers. ASSIST4 comes with additional features to meet the specific needs of transport and logistics service providers. Ask for our special brochure:IT Solutions for freight forwarders.

Customs Management

ASSIST4 Customs Management knows no frontiers, borders or boundaries.

ASSIST4 Customs Management offers business services for all customs processes in procurement and distribution so you can standardize and automate your customs processing and harness the potential of e-customs. ASSIST4 Customs Management is available for Germany, the United Kingdom, Switzerland, Poland, the Czech Republic and other countries.

Global Trade Integration: ASSIST4 Customs integrates customs processes into your logistics processes. Customs-related tasks are often still isolated, and this can threaten the performance of your supply chain. With ASSIST4 Customs, you bundle your global trade management and supply chain management, laying the foundation for faster, error-free and economical procurement and distribution.

Export Execution: ASSIST4 Customs offers comprehensive support in distribution beyond national borders, ensuring that your enterprise's exports are managed cost-effectively and in compliance with regulations. The necessary export documents are created with minimum effort. ASSIST4 also connects you to the electronic customs procedure that has been introduced in both the EU and US under the name AES.

Import Execution: Using ASSIST4 Import enhances the quality of your import customs handling by giving those in charge effective process support and automating numerous work steps. Participation in the AES process ensures smooth and fast communications with many of the most important customs authorities.

Custom Procedures with Economic Impact: The additional modules Customs Warehouse, Inward Processing Relief (IPR) and Outward Processing Relief (OPR) control and monitor the flow of your goods to limit administrative expenses and customs duties. ASSIST4 carries out these highly regulated processes in compliance with regulations so that you can use every opportunity to save fees.

Auto Classification: Categorizing goods and materials into the correct customs tariff is no easy undertaking. ASSIST4 provides you with effective support. (This feature is currently under development.)

Landed Cost Calculator: AEB gives you access to the global knowledge of the world's leading content providers—up-to-the-minute customs-related legislation, tariffs, rates, licenses and regulations for more than 71 countries around the world. The result is a better decision-making foundation for your international operations and increased process security.

Docu-Scout: The ASSIST4 Docu-Scout helps even less experienced co-workers complete all necessary customs-related paperwork and electronic declarations without errors. That's because the corresponding reference works such as Great Britain's SITPRO standards or Germany's K&M guidelines are integrated into the system's prompting logic. Further rules following other standards can be easily implemented by any experienced user.

Additional features of ASSIST4 Customs Management: common agricultural products, excise duties, advance declarations, AEO and archiving. Further rules following other standards can be easily implemented by any experienced user.

Monitoring & Alerting

Transparency, flexibility and performance for your supply chain.

Many companies already have end-to-end visibility over their own production processes. But this transparency is often quickly lost as soon as outside business partners are involved. And when this transparency is lost, the ability to act is often lost with it. ASSIST4 Monitoring & Alerting gives you a consistently clear, real-time view of all your inventory, goods movements and the status chains of your process steps. Above all, it enables the sea change from reactive troubleshooting to proactive event management.

Milestone Mapper: The Milestone Mapper in ASSIST4 Monitoring & Alerting lets you map your supply chains and process steps, building the foundation for real-time monitoring.

Instant Integration: Information needs to flow if you want to take advantage of a close network of collaboration in your procurement and distribution. Instant Integration quickly connects carriers and partners.
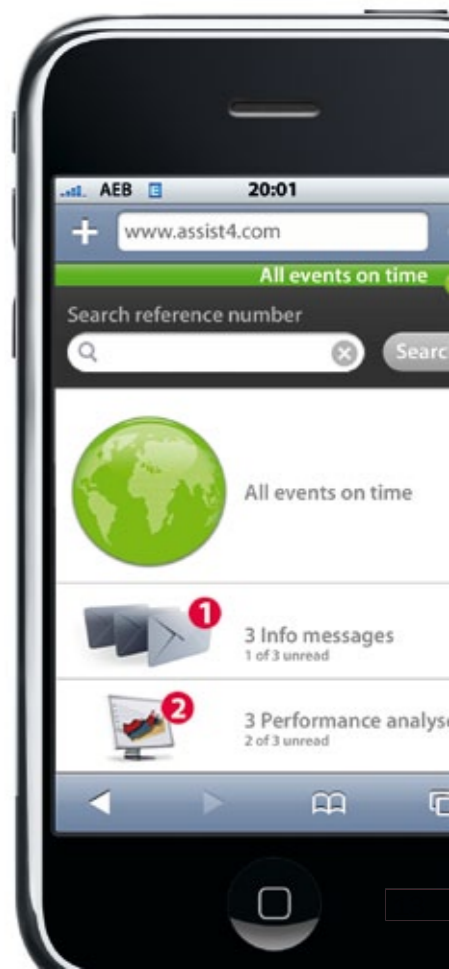
Track Control: Transparency is always a question of perspective: However you look at it, ASSIST4 Monitoring & Alerting opens up all conceivable perspectives to the flow of your goods. You have complete control over which object or document you wish to track.

Event Monitor: The Event Monitor gives you what everyone wants: proactive monitoring of your supply chain execution in real time. All information in one place. Any time.

Proactive Alerting: ASSIST4 Monitoring & Alerting lets you define sophisticated tolerances and alert workflows, so you can be sure that you'll be promptly alerted to all relevant discrepancies without drowning in a flood of status updates.

Total Visibility: All the information you release will be visible from one central location to your workforce, partners and customers. Online and mobile. And directly in SAP®.

Total visibility – even on the iPhone and other mobile devices.

Compliance

The right way to handle compliance management and safeguard your business processes.

ASSIST4 Compliance offers effective protections that let you identify listed individuals, companies, groups and organizations. Business relations that would violate an embargo are thus identified in time and prevented. Depending on the demands and your current IT infrastructure, ASSIST4 Compliance can either be run as a stand-alone application or fully integrated into your existing application solutions.

Comply: ASSIST4 Compliance thus ensures compliance with the array of legal regulations in the battle against terrorism and money laundering. The objective is to protect your enterprise and staff from financial and criminal liabilities. Background compliance checks identify undesirable or illegal transactions, stopping or interrupting them before they can be carried out.

SophistiSearch: Sophisticated test logic even identifies similarities such as spelling variants or word transpositions. You have the option of running individual checks in real time for each transaction or setting regular batch process checks for specific data.

Lists and test schemes: Up-to-date sanctions lists are the foundation of any secure compliance solution. Individual lists are updated with new or modified entries at irregular intervals, often several times a month. Staying on top of this task requires an automated update service – an integral component of ASSIST4 Compliance. ASSIST4 Compliance is designed to manage a broad spectrum of different sanctions lists. The lists freely available on the internet can be supplemented by those offered by various data providers, so that in addition to EU and US legal guidelines, it is possible to integrate the regulations of other jurisdictions – Japan, Canada or Switzerland, for example.

Automatic update service: The scope of the update service is tailored to the customer's individual needs. Data is always consolidated daily by AEB and sent out whenever there have been changes. The update is a fully automated background process without the need for any user interaction. All checklist "deltas" and changes are fully logged in ASSIST4 Compliance. In addition, the user group receives e-mail notification of any modified list entries.

Custom lists: In addition to the official sanctions lists, ASSIST4 Compliance lets you administer any number of customized lists. There are many reasons why business relationships are broken off or certain individuals or companies are subjected to a delivery block. Such cases can be handled in "bad guy" lists and integrated into the compliance check process. This ensures full compliance with maximum flexibility. The various search strategies yield particularly reliable screening. In some instances, however, certain addresses are identified as "suspicious" even though they are known to be free of any links to terrorism. ASSIST4 Compliance lets you store such addresses in your company's own "good guy" lists. Such addresses are exempted from checks if there is an exact match.

Logging and monitoring: The complete logging of all activities is a core function of ASSIST4 Compliance. Every single query, any match and all changes to list entries are exhaustively recorded. An internal information management system lets you notify the appropriate parties by e-mail. The distribution list used for notifications can vary based upon the compliance check results or the type of log. This guarantees thorough verification and complete transparency.

Client-enabled: A single central Compliance Engine can be shared both by various business process applications and various clients. Profiles allow you to maintain separate lists, compliance check profiles and notification lists and to differentiate various authorization groups and users. ASSIST4 Compliance also distinguishes queries via online interfaces, logs them and applies parameters and settings based on the querying system.

Benefit from ASSIST4 as a whole or the sum of its parts.

Warehouse Management

Quality

- Increased warehouse labor productivity
- Pick accuracy up to 99%+
- Total visibility of inventory in stock
- Reduced safety stock levels
- Access to high-performance warehouse strategies such as cross-docking
- Accelerated processes and supply chain (especially when combined with ASSIST4 Transport Management and ASSIST4 Monitoring & Alerting)
- Improved fulfillment quality

Transport Management

Speed

- Accelerated procurement and distribution processes through the combination of multiple steps in a single location
- Secured processes and the guarantee of complete 4C compliance
- Increased quality, tempo and on-time performance of your deliveries for a leg up on the competition
- Comparison of rates and conditions for greater flexibility in selecting a carrier

Freight Management

Cost-effectiveness

- Reduced long-term freight costs and increased cash flow
- Transparency in the inscrutable jungle of carrier costs and service structures
- Increased flexibility through simple comparisons of different freight rates
- No more time-consuming invoice checks
- Elimination of unnecessary expenses from unidentified errors in freight invoices
- Better negotiation position through performance analyses and simulations

Customs Management

Compliance

- Increased efficiency in your customs processing through automation and standardization
- Accelerated supply chains through just-in-time handling of the accompanying customs processes
- No more shipment delays due to incomplete or erroneous customs declarations
- Minimization of customs fees
- Complete 4C compliance in your business processes
- All simplifications allowed by the customs code

Monitoring & Alerting

Visibility

- Greater flexibility and decision-making confidence
- No more manual collection of tracking and status information
- Maximum performance through management by exception
- Acceleration for process innovations
- Flexibility and adaptability
- Optimal use of resources through transparency
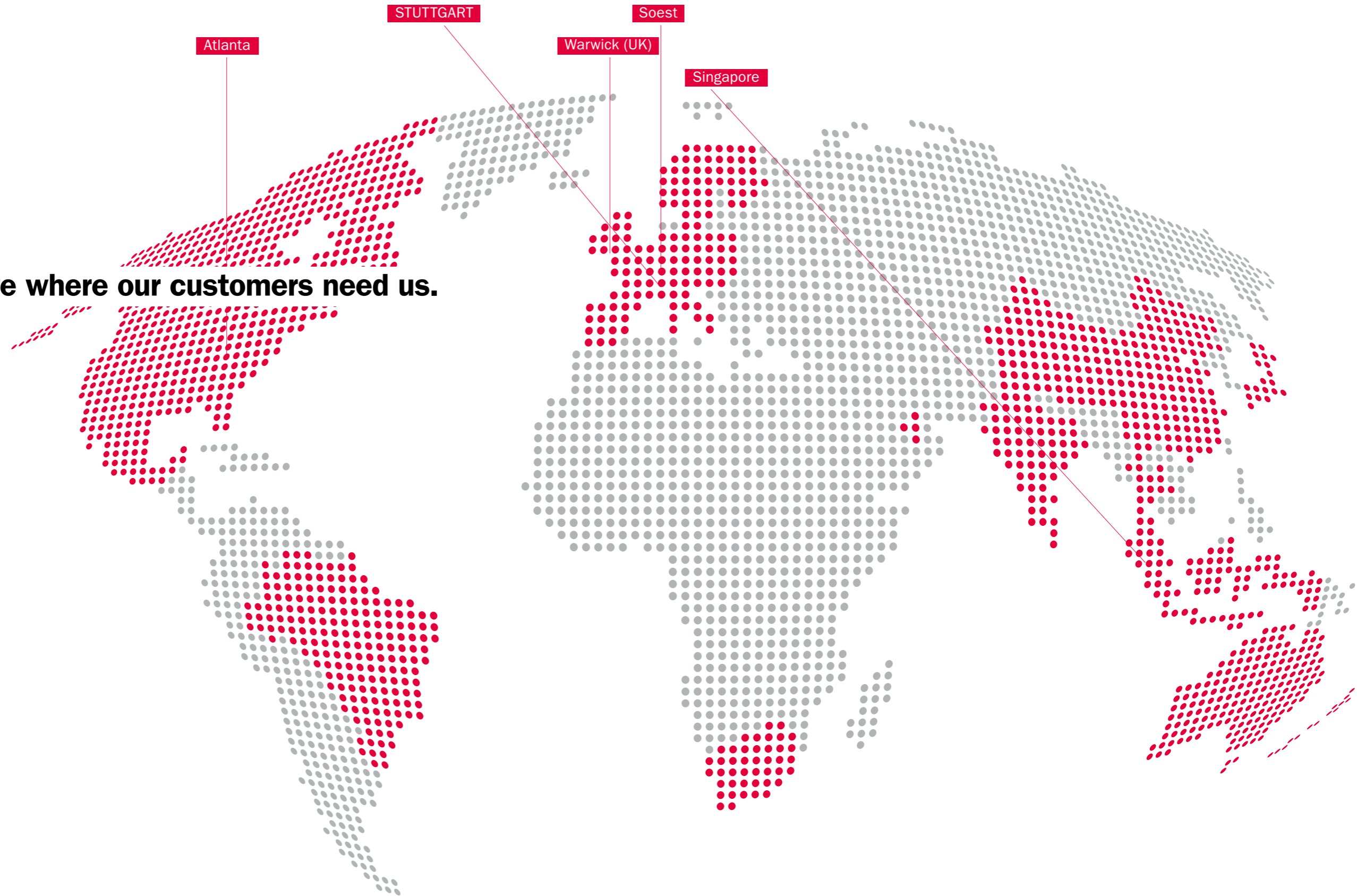- Process security

Compliance

Security

- Security and compliance through preventive and effective embargo checks of each individual business transaction
- Secure, streamlined processes through the option of automatic screening
- Online screening that runs in the background at lightningquick speeds to ensure that no time is wasted
- Seamless documentation and archiving of all screening results to deliver transparency suitable even for audits
- High degree of flexibility and adherence to standards in the integration into your system environment so you can be sure your investment is secure and future-proof

We are right there where our customers need us.

Atlanta

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Warwick (UK)

Singapore

The areas marked by red dots
indicate the countries in which
AEB solutions are used.
The lines point to the locations
where AEB is represented.

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Solutions

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