



INDIVIDUAL, SCALABLE, HIGH-PERFORMANCE

Sustainable solutions for pharmaceutical distribution



SSI SCHÄFER

OUR EXPERIENCE - YOUR SUCCESS

Two strong partners - one solution



BD Rowa™ is one of the leading producers and solution providers in warehouse automation for pharmaceutical products in secondary packaging. BD Rowa™ has implemented more than 7,500 automated intralogistics solutions worldwide. Its customers include pharmacies, hospitals and pharmaceutical distributors.

The focus is on holistic system integration within the framework of optimal business processes. When dealing with pharmaceutical distribution centers, BD Rowa™ focuses on automation of slow and medium movers, reintegration of returned pharmaceutical products into the distribution process, as well as automated picking of narcotics and cold storage goods.

BD Rowa™ is specialized in identification, storage and dispensing of single pharmaceutical products.



The **SSI SCHÄFER Gruppe** is the world's leading provider of modular warehousing and logistics systems. With more than 70 operative subsidiaries and approximately 10,500 employees all around the world, the company offers highly sophisticated turnkey systems. As an international player, it can deliver one-stop solutions to all four corners of the earth. Its comprehensive portfolio encompasses design, planning, consulting, and customer-specific after-sales services and maintenance.

One field in which SSI SCHAEFER is particularly active is the Healthcare & Cosmetics sector. Our team of experts develops future-proof solutions for pharmaceutical distributors, cosmetics manufacturers, drug stores, and mail-order pharmacies - from traditional wholesale distribution systems to omni-channel logistics solutions.

With a variety of systems installed around the world, SSI SCHAEFER possesses the comprehensive expertise and innovative technologies needed to cover the entire supply chain for pharmaceutical and cosmetics products. They range from manual to highly automated storage, conveying and picking systems, as well as a comprehensive software portfolio with WAMAS® and SAP.



VISION

In a constantly changing world, we anticipate your challenges

Together, we take responsibility for making a difference and ensuring your competitive advantage through innovation and high performance.

Reach your goals through the efficient and proven product and solution portfolio of SSI SCHAEFER and BD Rowa™.



YOUR PROCESS QUALITY – OUR COMMON MISSION

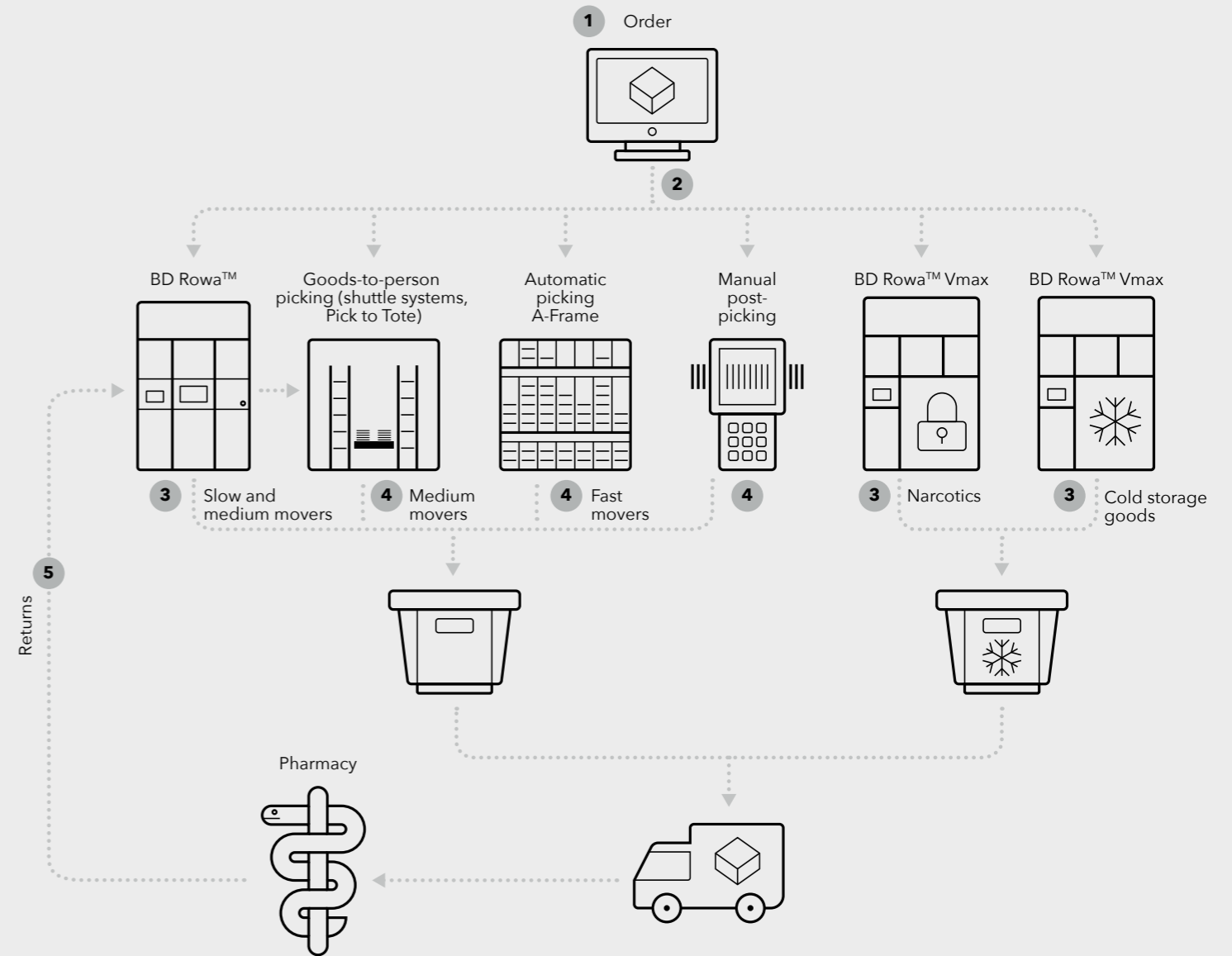
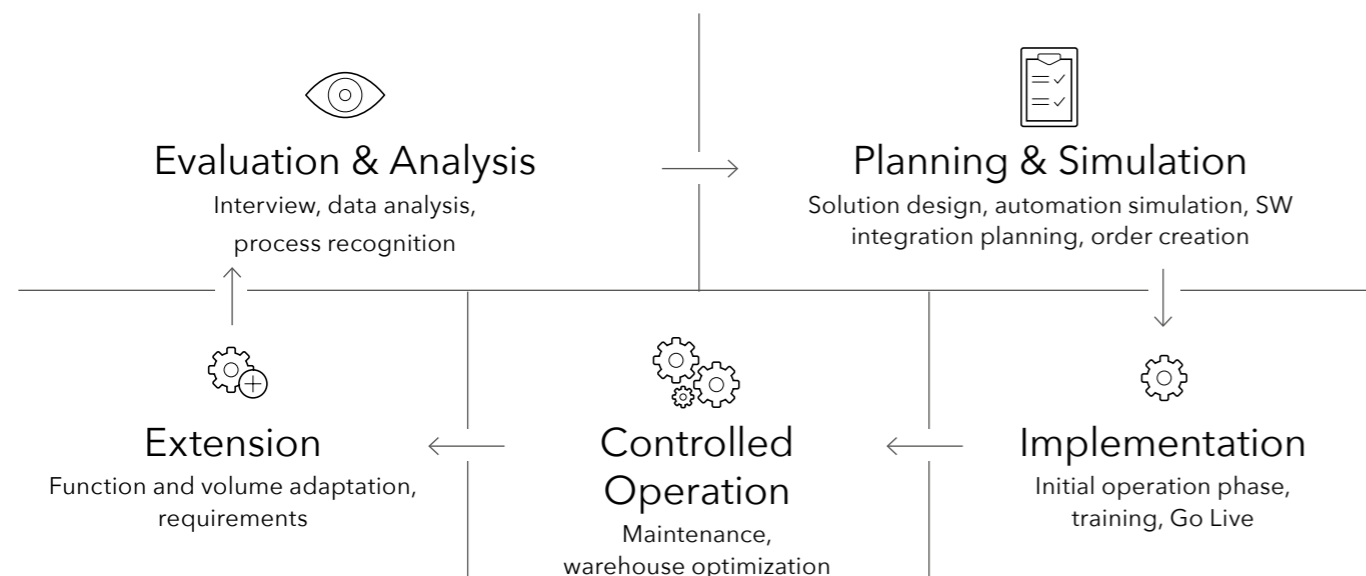
Through highly specialized process analysis we optimize your degree of automation along the whole value chain

Our services

We analyze, simulate and plan your individual, single-source solution. From goods-in to storage and picking from fast to medium and slow movers, narcotics, cold storage goods and reintegration of returns to a smooth and efficient goods-out.

Your advantages

- Increased process stability and reduced error rates
- Lower storage location costs through increased storage density
- Reduced process and labor costs
- Fast and easy implementation
- Compliance with common standards and responsibilities (FMD, etc.)



Software: Control System / Interfaces

- 1 Orders are placed via the ERP
- 2 Orders are distributed to the BD Rowa™ systems with the help of the logistics software WAMAS® (bin control)
- 3 Control software is responsible for order distribution within the BD Rowa™ system
- 4 The logistics software WAMAS® controls picking
- 5 Real-time interface to the ERP allows immediate availability within the system

HIGH-PERFORMANCE AND SCALABILITY

Safe and fast order picking of unequaled process quality

The interdisciplinary solution by SSI SCHAEFER and BD Rowa™ consists of a combination of two or more BD Rowa™ Vmax systems used for automating goods-in, warehouse management and picking of slow and medium movers, narcotics and cold storage goods.

Two different order buffer systems - central belt solution or order buffer solution - lead to high performance at the filling point. Both systems ensure safe and precise order picking into bins.



BD Rowa™ Vmax system

The high-performance picking system provides for storage and picking at the same time.

Your advantages

- Serialization and release for production directly at goods-in
- Lower storage location costs through increased storage density
- Stock taking thanks to continuous inventory
- Scalable system size



Central belt solution

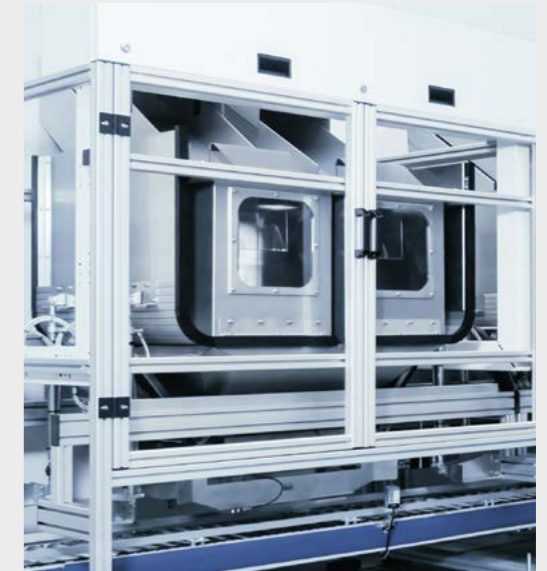
The central belt solution optimizes order buffering. Using a flap system, BD Rowa™ Vmax dispenses the items into lateral collecting trays. There, the items are buffered, dispensed onto the central belt when required, and gathered above a filling point from where they are collectively dropped into a bin.

Field of application

- Pharmaceutical wholesale, large mail-order firms
- Ideal for solution designs based on a central filling point
- Suitable for integration into existing A-Frame solutions

Your advantages

- Fast picking and high performance at filling point
- Up to 14 buffers per BD Rowa™ Vmax for pre-picking of orders
- One central belt and one collective filling point
- Modular and scalable



Order buffer solution

The order buffer accumulates and fills bins of different heights in confined spaces. The BD Rowa™ Vmax transfers the items assigned to an order into a corresponding buffer. The bin arriving at the order buffer is identified by a scanner and filled by opening the respective buffer.

Field of application

- Small, medium and large pharmaceutical distribution centers
- Suitable for integration into confined spaces
- Designed for use in various storage areas (coldstorage room, locked room for narcotics)

Your advantages

- Scalable from 1 - x BD Rowa™ Vmax
- Picking into bins of different size
- Space-saving, with buffering and filling in confined spaces
- Efficient, with very fast picking and high performance at filling point
- High system availability thanks to redundancy

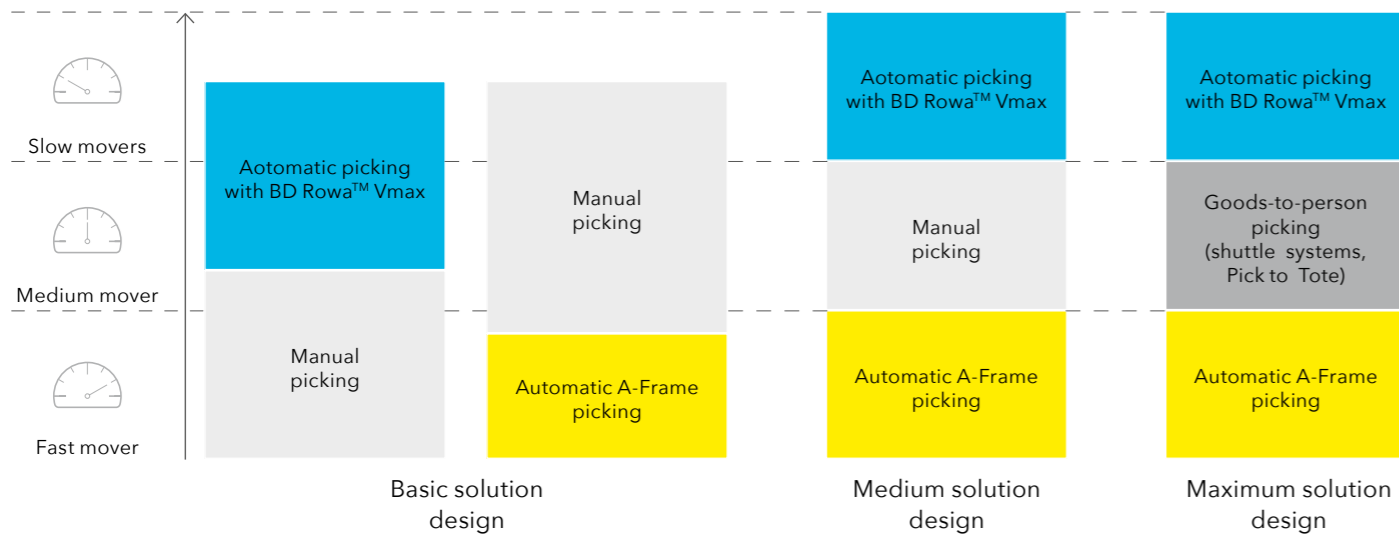
TOGETHER WE GROW WITH YOUR REQUIREMENTS

Every process is different. Our flexible and scalable solutions are adapted to suit your requirements

SSI SCHAEFER and BD Rowa™ offer you the ideal concept, tailor-made for your needs and are adaptable to different ambient conditions.

The gradual increase of your degree of automation ensures process optimization and process stability, perfect handling of peak times, reduction of picking errors, optimized labor costs and a lower loss rate.

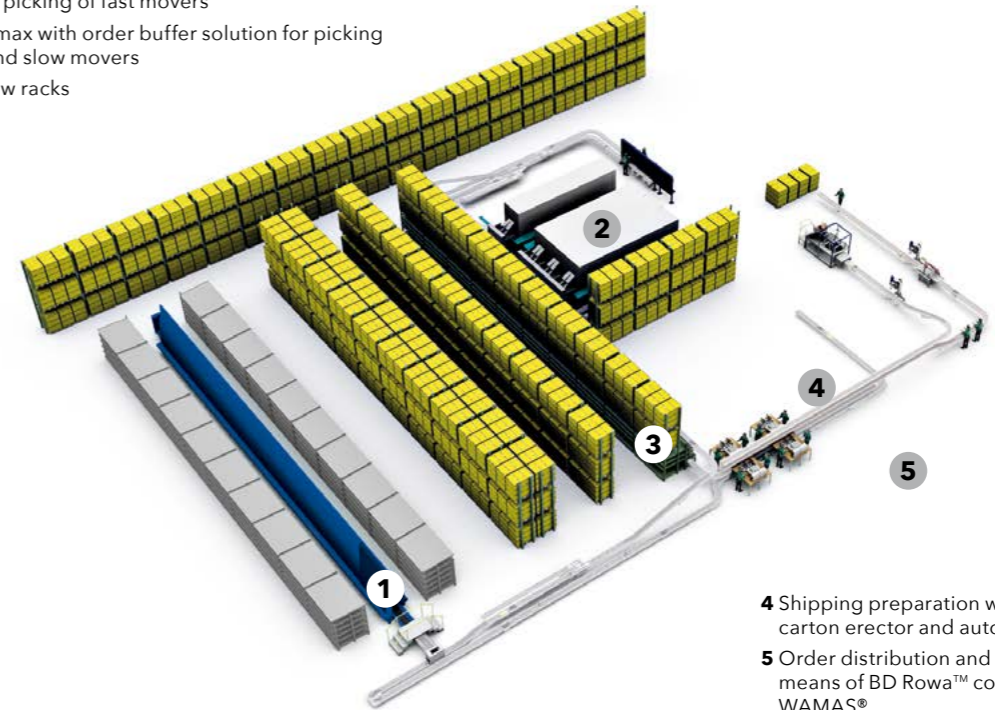
Development from manual to fully automated warehouses



„In SSI SCHÄFER and BD Rowa™ we found reliable partners offering a holistic concept for automating our processes and capable of implementing it within a short time frame. The implemented overall solution is based on perfect integration of both partners' solution portfolios and we are completely satisfied that our requirements for high performance and flexible processes have been met.“

Torben Berning,
Sales Manager at besamex

- 1 A-Frames for picking of fast movers
- 2 BD Rowa™ Vmax with order buffer solution for picking of medium and slow movers
- 3 Storage in flow racks



- 4 Shipping preparation with repacking stations, carton erector and automated shipping conveyor
- 5 Order distribution and picking controlled by means of BD Rowa™ control software and WAMAS®

HOLISTIC CONCEPTS FOR MAXIMUM PERFORMANCE

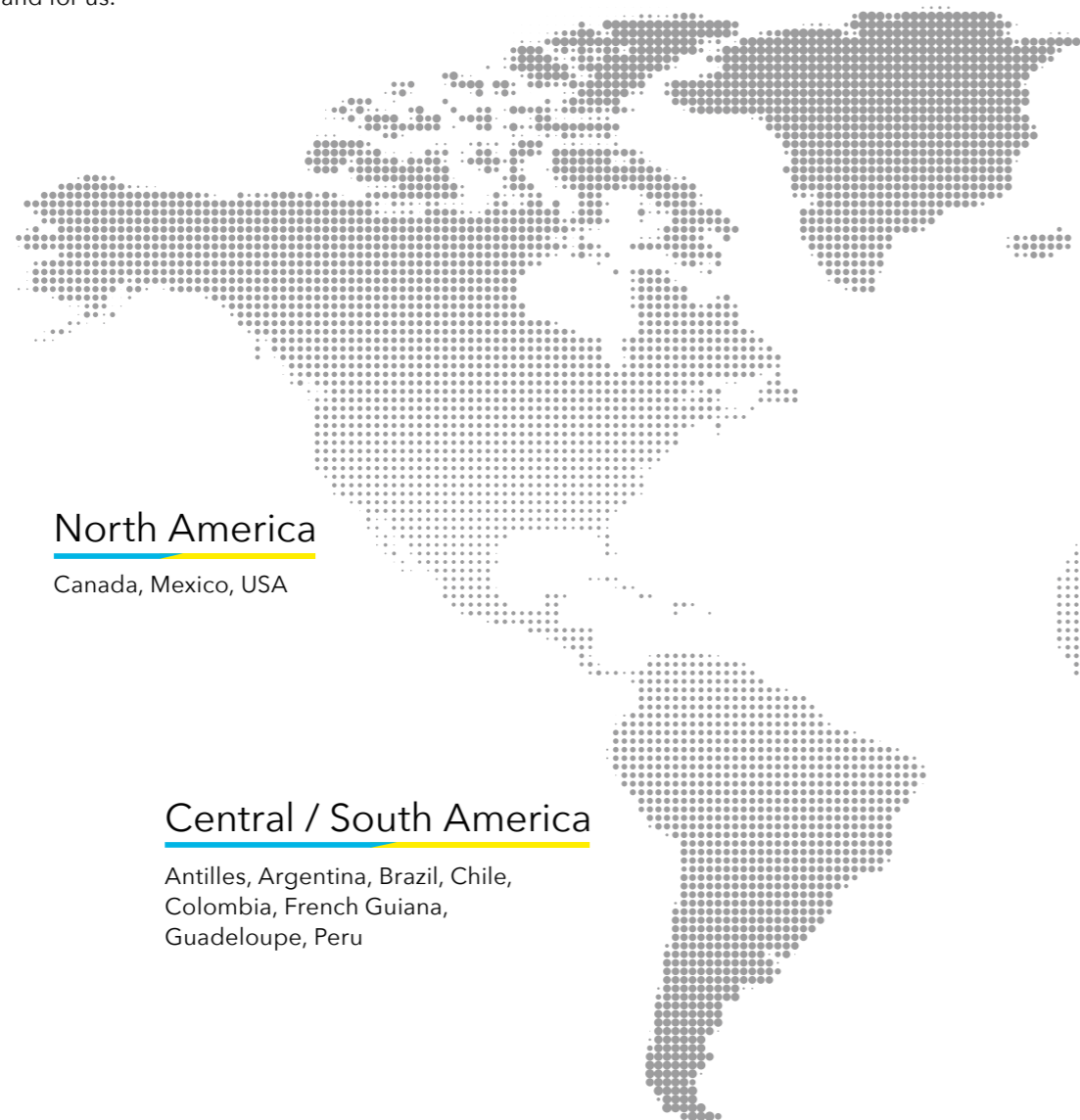
besamex: modern distribution center for increased performance and efficiency

QUALITY PREVAILS. WORLDWIDE.

Your trust is our motivation. Our bundled intralogistics know-how spans the globe

High availability of all systems and short service response times are decisive factors for successful operation of complex logistics systems. Reliability is therefore the main priority both for you and for us.

We put our focus on offering local and flexible services that can be suited to your needs. This allows us to maximize customer satisfaction.

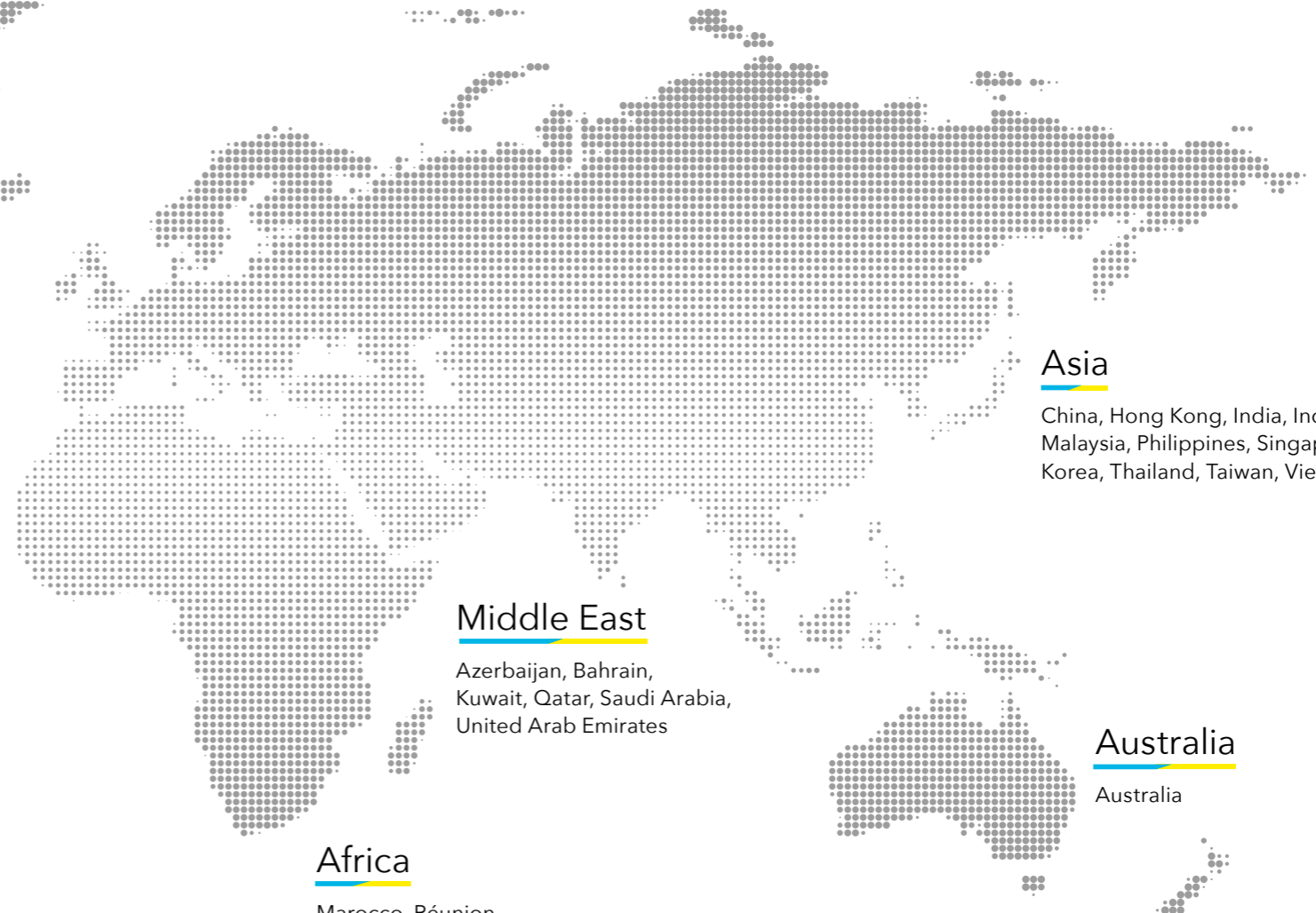


North America

Canada, Mexico, USA

Central / South America

Antilles, Argentina, Brazil, Chile, Colombia, French Guiana, Guadeloupe, Peru



Europe

Germany, Andorra, Austria, Belgium, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Greece, Great Britain, Hungary, Ireland, Italy, Latvia, Liechtenstein, Luxembourg, Monaco, Netherlands, Norway, Poland, Portugal, Romania, Russia, Sweden, Switzerland, Slovakia, Slovenia, Spain, Turkey, Ukraine

Asia

China, Hong Kong, India, Indonesia, Malaysia, Philippines, Singapore, South Korea, Thailand, Taiwan, Vietnam

Middle East

Azerbaijan, Bahrain, Kuwait, Qatar, Saudi Arabia, United Arab Emirates

Africa

Marocco, Réunion, South Africa

Australia

Australia

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