



October 2021



COMPANY OVERVIEW

Elegant warehouse robotics for a volatile world

Exotec was founded in 2015 by two engineers.

Exotec robotics power resilient supply chains for the world's largest brands, helping them profitably navigate rapid shifts in business models and customer expectations.

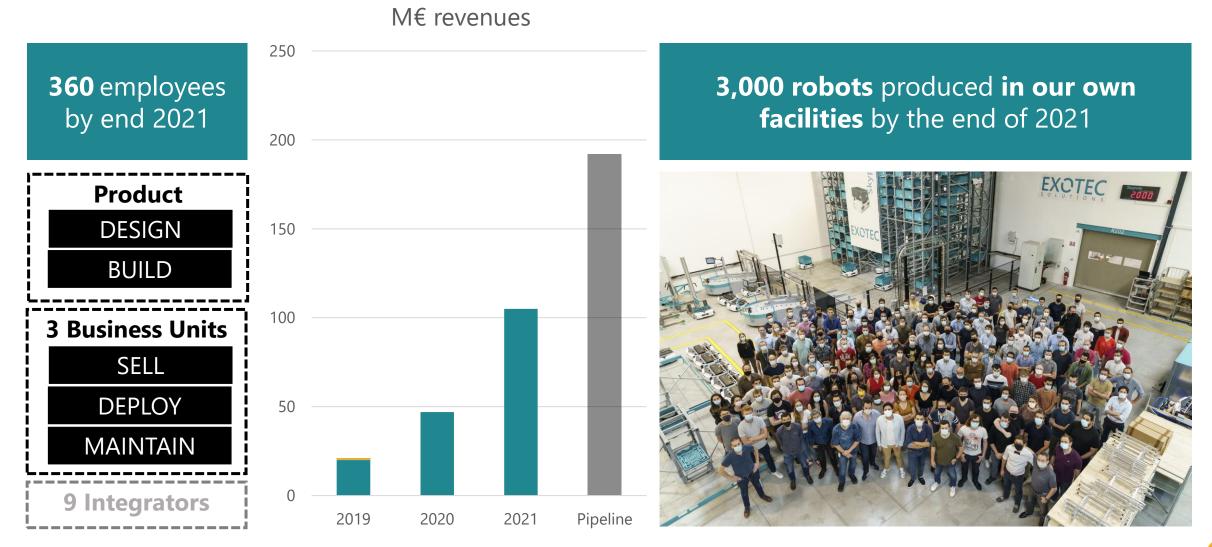
As we see the inherent limitations of the bruteforce approach to scaling logistics, Exotec offers a clear alternative: elegant collaboration between human and robot workers that delivers sustainable warehouse productivity



Romain Moulin Drive

Renaud Heitz Design

Goal: to be a top 10 warehouse automation player by 2025

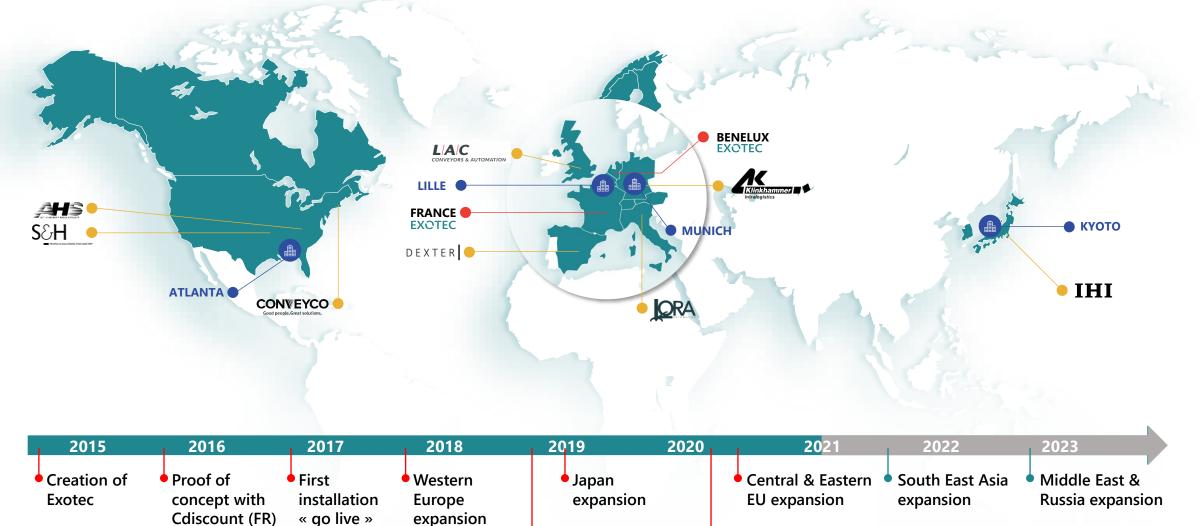


EXOTEC

Rapid international development 2/3 of revenue generated outside of home country in 2021







Logimat: best

product award

North American

Expansion

Delivering satisfaction to the world's largest brands Repeat business accounting for 60% of revenue since creation



Exotec success factors

Strong company culture

No compromise on hiring the **right people** with the right skills

Very structured way of working, building for the long term

Lean decision making process

The right product at the right time







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EXOTEC

WAREHOUSE ROBOTICS IS THE FUTURE

Legacy warehouse automation is falling short to meet today's challenges

Traditional warehouse automation solutions offer improved storage density and cost efficiencies compared to manual order preparation.

However, they lack the flexibility that today's volatile world requires. Especially in e-commerce with hard-to-predict growth and rapidly evolving consumer demands.

The future automation will be **flexible**, **quickly scalable** according to business needs and able **to pivot** to unknow future models, all **without disrupting ongoing operations**.

Such systems should do so **without compromising on efficiencies**, which is essential to meet cost pressures.

Warehouse Robotics is the future of automation

EXOTEC

Legacy automation

Solution features

Project specific Built on site Heavy static mechanics PLC-based (automation)

Warehouse robotics

Full size product validation Built in factory Mobile machine Algorithm-based (robotics)

Impact

FXOTEC

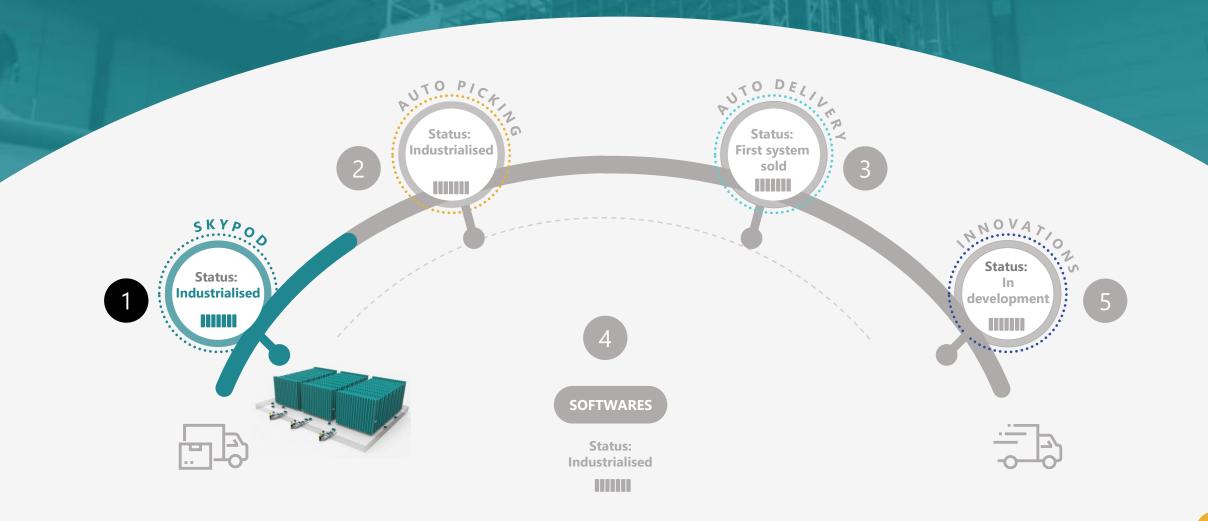
Complex to install & maintain Inflexible Overshoot for future production Low innovation High energy consumption Simple and fast to install & maintain
Adaptable without disrupting operations
Deploy for today, scale later
Constant innovation
Low energy consumption

CONFIDENTIAL DOCUMEN

EXOTEC PRODUCT OFFERING

CEL

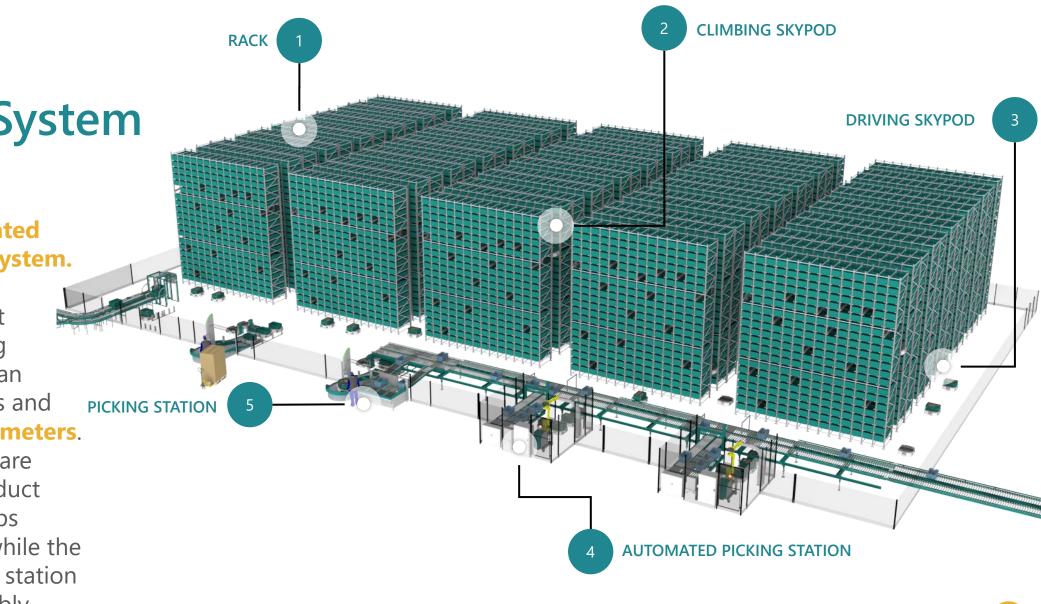
EXOTEC Elegant warehouse robotics for a volatile world



Skypod System

An agile and highperforming automated order preparation system.

The **Skypod** is a light robot, with a carrying capacity of 30kg. It can move in all directions and reach a height of **12 meters**. Autonomous robots are programmed to conduct their inventory sweeps collecting the bins, while the operator stays at the station for final order assembly.



Storage Simple or double deep

Completely passive, made of simple racking and bins, the storage provides high density, with all bins accessible at all times.

Bins are 220 mm, 320 or 420 mm high, and can be subdivided in 2,3,4,6 or 8 Sub locations.

Bins can be replaced by tray to allow direct carton or custom bin storage



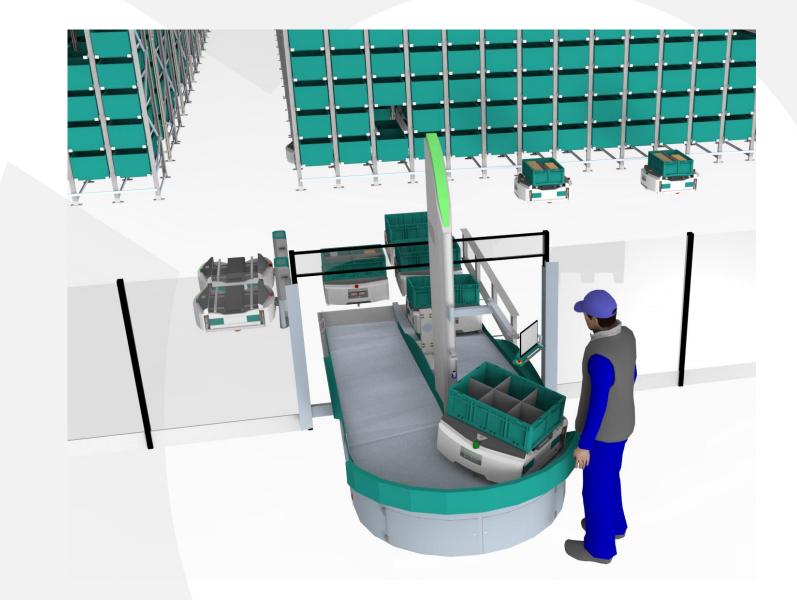






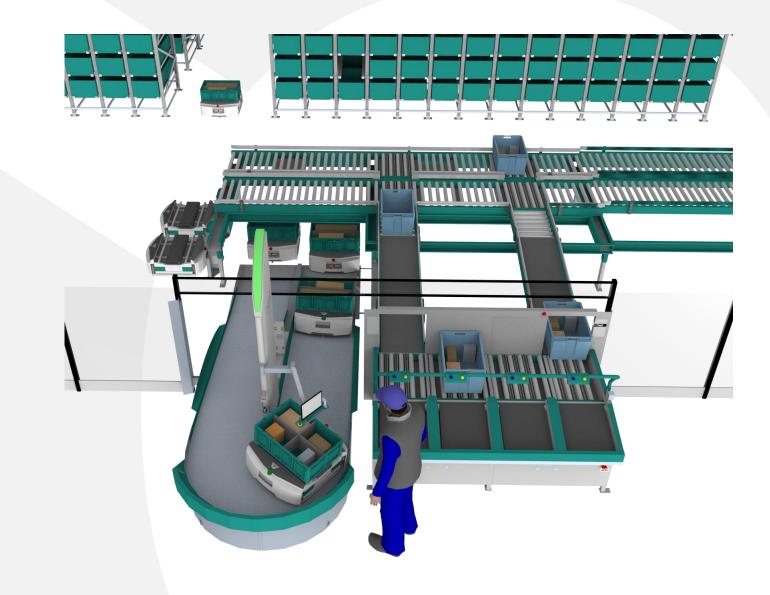
Manual Station

The station can prepare up to four orders simultaneously or replenish. Order boxes are placed and removed by the operator.



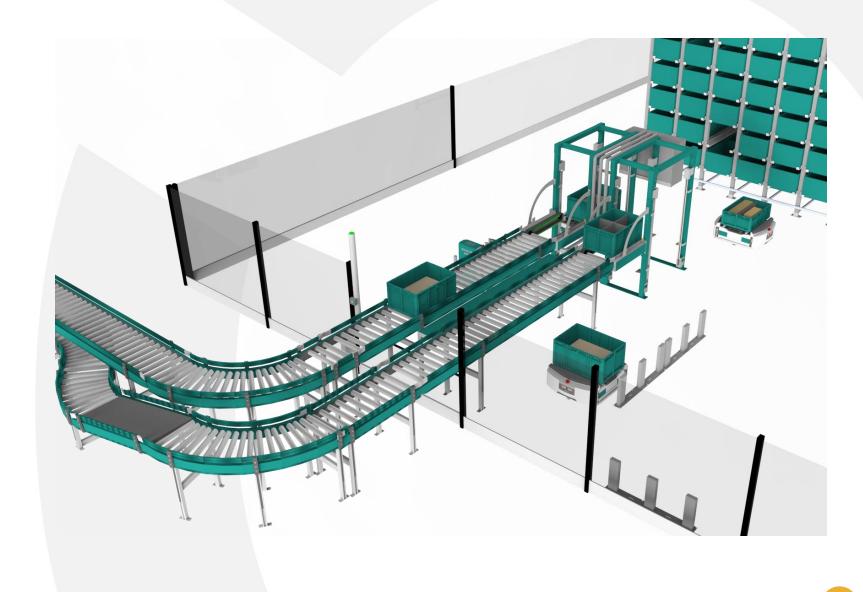
Station with order mover

The order mover takes care of bringing empty totes or boxes, and removing finished orders. Orders are then sent to packing lines, closing machines, or shipping dispatch.



Bin interface

The bin interface allows to enter and exit bins from the Skypod to the rest of the warehouse. Skypods engage in the chimney to take or drop bins.



Benefits

The Skypod system is **uniquely** combining

- the highest performance of traditional automation
- to the **flexibility of cutting**edge robotics.

Picking speed Up to 500 totes/hour.



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Density

x 5 compared to standard picking on shelving.



Delivery Speed

Any item, anytime in 2 minutes

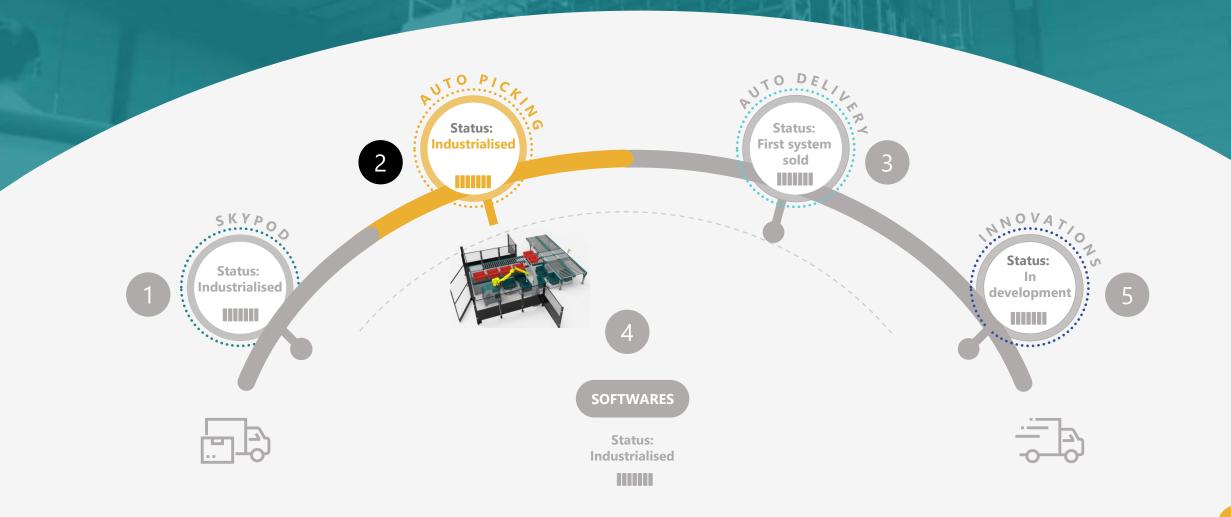
Ergonomics Picking at 800mm height.

Fast set up

Set up of the System in months, not years

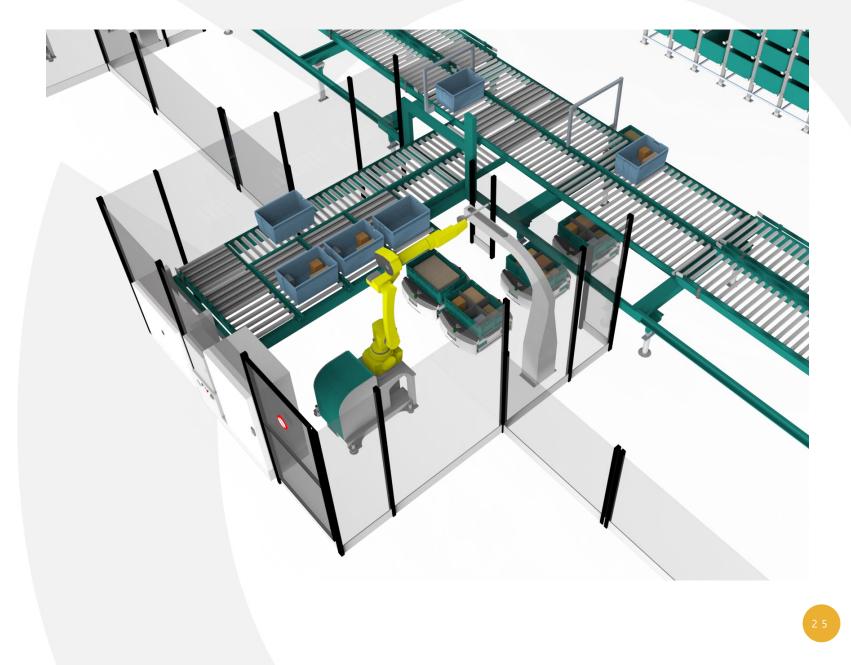
Scalability Ability to add robots & totes to follow customer growth

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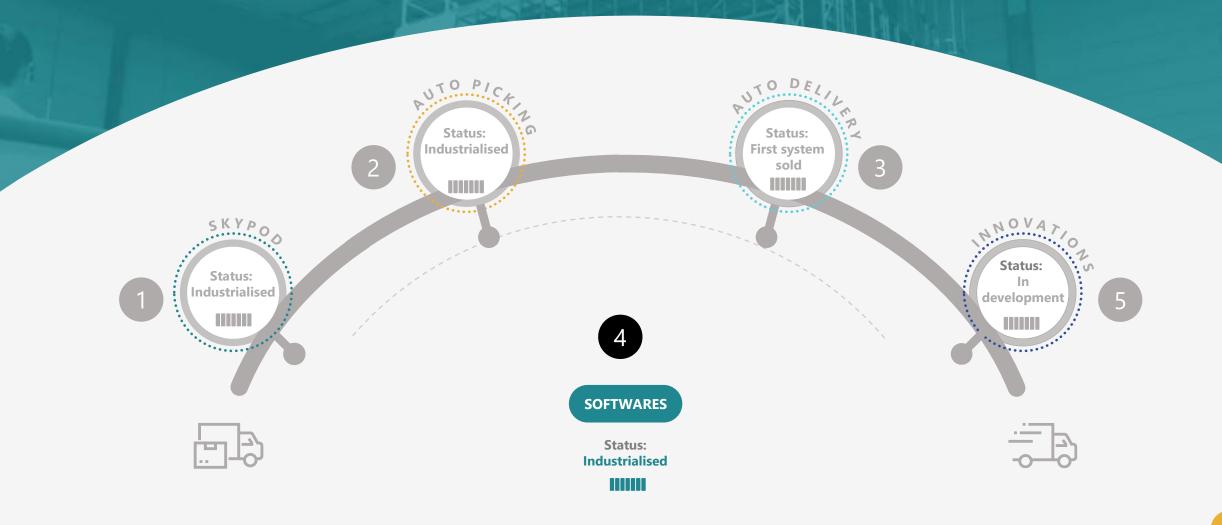


Automated Picking Station with order mover

The SkyPicker is a fully automated picking solution with a revolutionary picking learning algorithm. The system finds and detects picking points so no human configuration is needed.



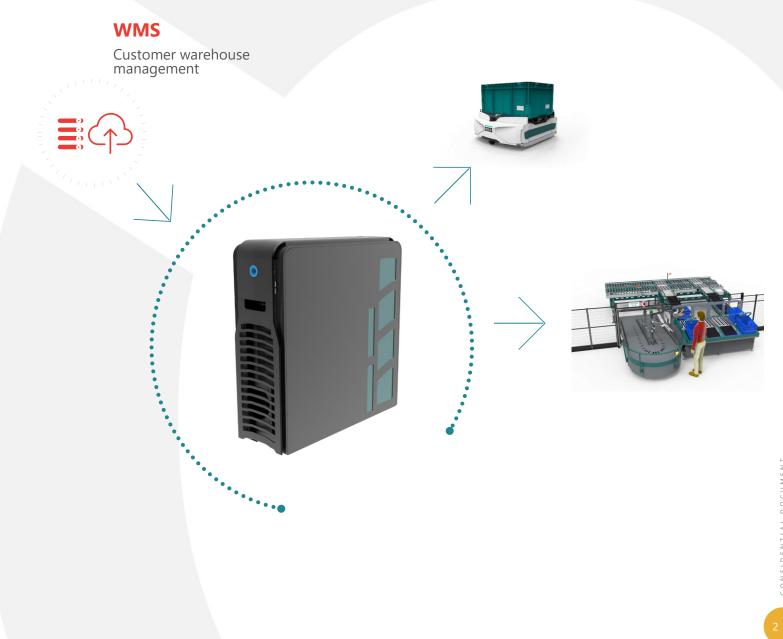
EXOTEC Elegant warehouse robotics for a volatile world



Astar

Astar is the conductor of the orchestra. Using advanced algorithms, it synchronizes robots, humans, and bins to get the orders prepared as soon as possible.

The software system is based on redundant databases and relies on state of the art architecture.



Experience interfacing Astar with a broad

range of WMS











Software for logistic excellence

AS/400

ORACLE[°] JD Edwards





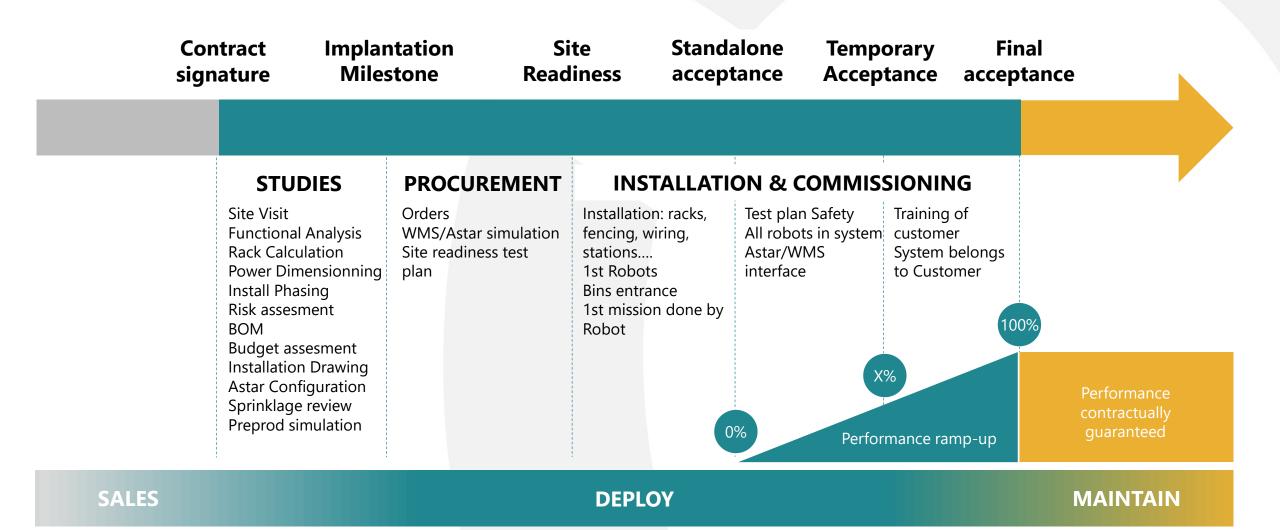


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DEPLOYMENT & MAINTENANCE

EXOTEC Deployment process for a Skypod System



System performance contractually guaranteed

A = Op * F

Op: Operational Avaibility

- Operational availability represents how long the system was "up" during production
- F: Flow Performance
- Flow Performance represents the mechanical performance of the system, independently of any external issues

Example:

Op = 99% and F = 100%, then A = 0.99 * 1.00 = 99%

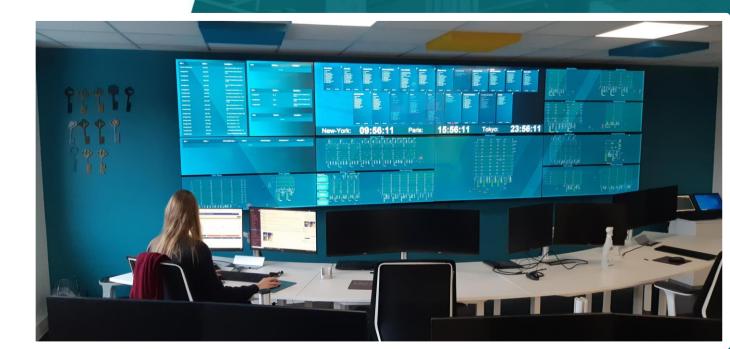


24/7 remote supervision

Exotec control center is able to monitor & access **any robots, anytime, everywhere** in the world to secure **operations continuity**

System errors are instantly flagged to **trained operators** who troubleshoot and restore the state of the system

This powerful tool is **central to our ironclad performance guarantee** and is running 24/7



Hotline 24/24, 7/7

- Real-time performance monitoring
- Remote interventions on robots to fix issues before they are even visible
- Coordination with sites physical intervention is needed
- Continuous improvement of products thanks to big data analysis

EXPERIENCE

CEL

WHAT CUSTOMERS SAY ABOUT EXOTEC

« We will draw on the outstanding ability and experience of [Exotec] to strengthen our supply chain by stepping up our warehouse automation and global transformation» Takuya Jimbo, Group Executive Vice President, Fast Retailing

« Exotec's solution perfectly blends into our Industry 4.0 approach. It's simple to implement and can evolve to meet our future needs » Benjamin Gauchenot, Quality & Operations VP – Lacroix Electronic

« We chose to partner with Exotec in large part due to the high-performance system, speed of implementation, and strong history of successful execution» Jérôme Saillour, Logistics Transformation Manager – Decathlon

« Exotec technology is reliable, flexible, and powerful » Sébastien Laizet, Supply Chain Director, Monoprix

« We expect this deployment to have a real transformational effect on our operations» Richard Tremblay, Logistics Leader, Decathlon Canada