

Accessible robotics for the Internet Age challenges

May '17

Eiratech Philosophy

- Dublin-based innovator of robotics solutions enabling **multiple application on its platform**
- Eiratech's mission is to disrupt the existing status quo by **making hi-end robotics accessible**
- **End-to-end solution provider** operating own development centre and 500m² simulated facility



Intelligent Supply Chain & Smart Factories

A circular orange icon containing a white silhouette of a forklift truck.

1-hour

A circular orange icon containing three black interlocking gears.

Lean

Three overlapping blue circular icons, each containing a white silhouette of a factory building.

Real-time supply chain

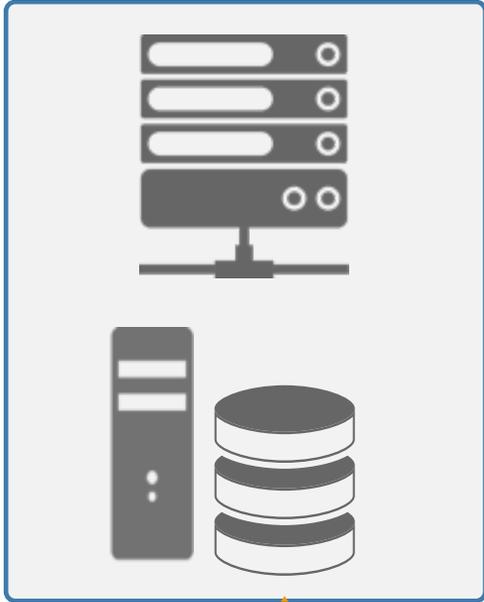
A circular grey icon containing a black silhouette of a trash bin.

Just-in-time

You are in control



Eirasystem – complete solution with open API



Eirasoft

Robotic Material Handling Solution which processes the data into its database and coordinates the Eirabots.



Fleet of Eirabots

individual mobile units that navigate their way around the busy warehouse to bring the correct racks to the picking stations.



Shuttle racks

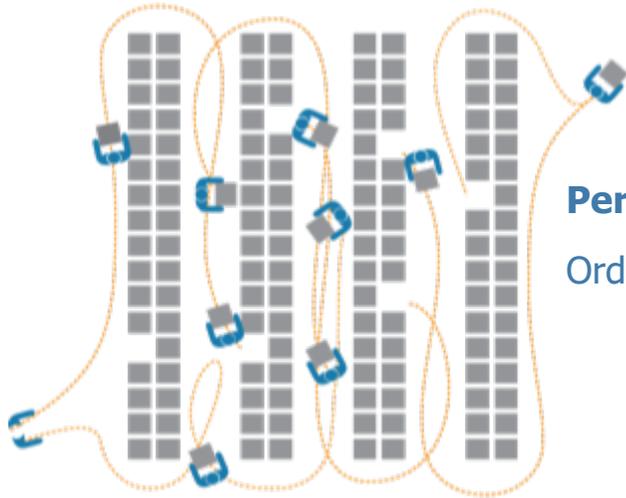
9'00 x 9'00 x 2'000mm racks that can be lifted and moved by the Eirabots. Optimally designed to get the best out of the space available. SKU's are spread over a variety of racks.



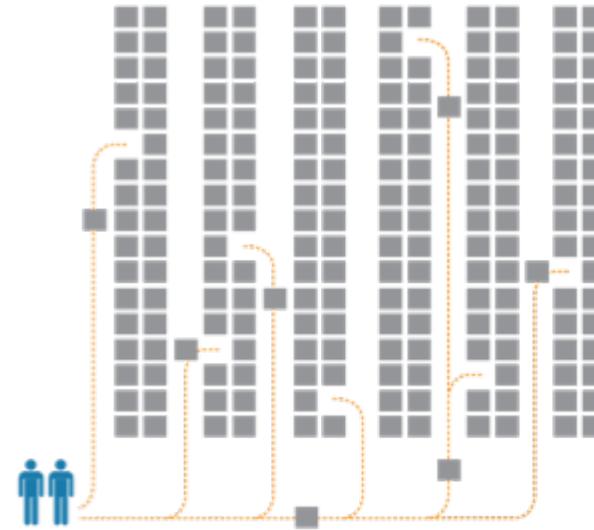
Picking station(s)

controls which items enter and leave the 'warehouse'. The Eirabots bring the racks to the picking station which indicates which cell the required item is located in.

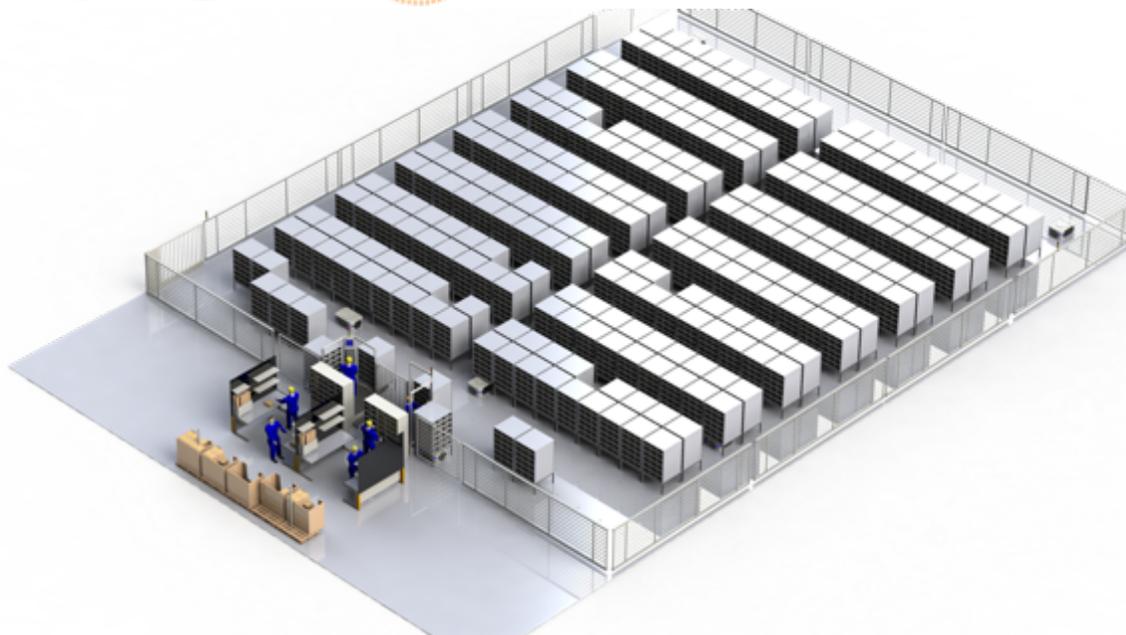
Traditional vs Eiratech Robotics Solution



Person - to - Goods:
Ordinary hand picking system



Goods - to - Person:
Eiratech solution



**Over 4x more
efficient**
by eliminating search time

Eiratech timeline – from concept to live



2013

Mobile Robotics fulfilment concept conceived and prototyped

2014

June - Eiratech Robotics established in Dublin, Ireland

2015

Sep – initial approaches to the market made

Nov – 3rd generation received IDI design award

2016

April – e-fulfilment solution launched

July – 4th generation is live

Sep – initial batch manufactured & 500m² warehouse established

2017

Jan – material handling solution launched

March – on-site demo for a large car manufacturer in Spain



6X
Growth

**picking
performance**

What we offer

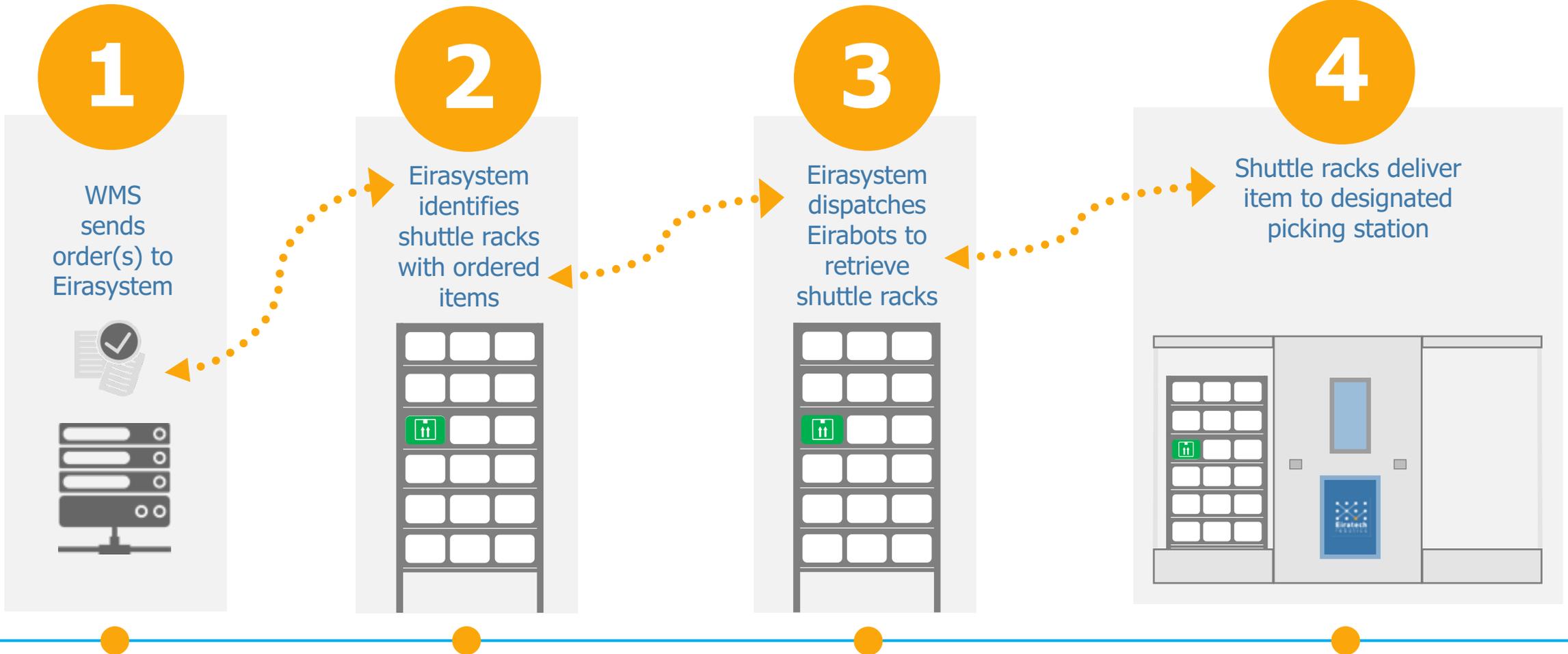
**REAL-TIME
AUTOMATION**

**INCREASED
PRODUCTIVITY
and
ACCURACY**

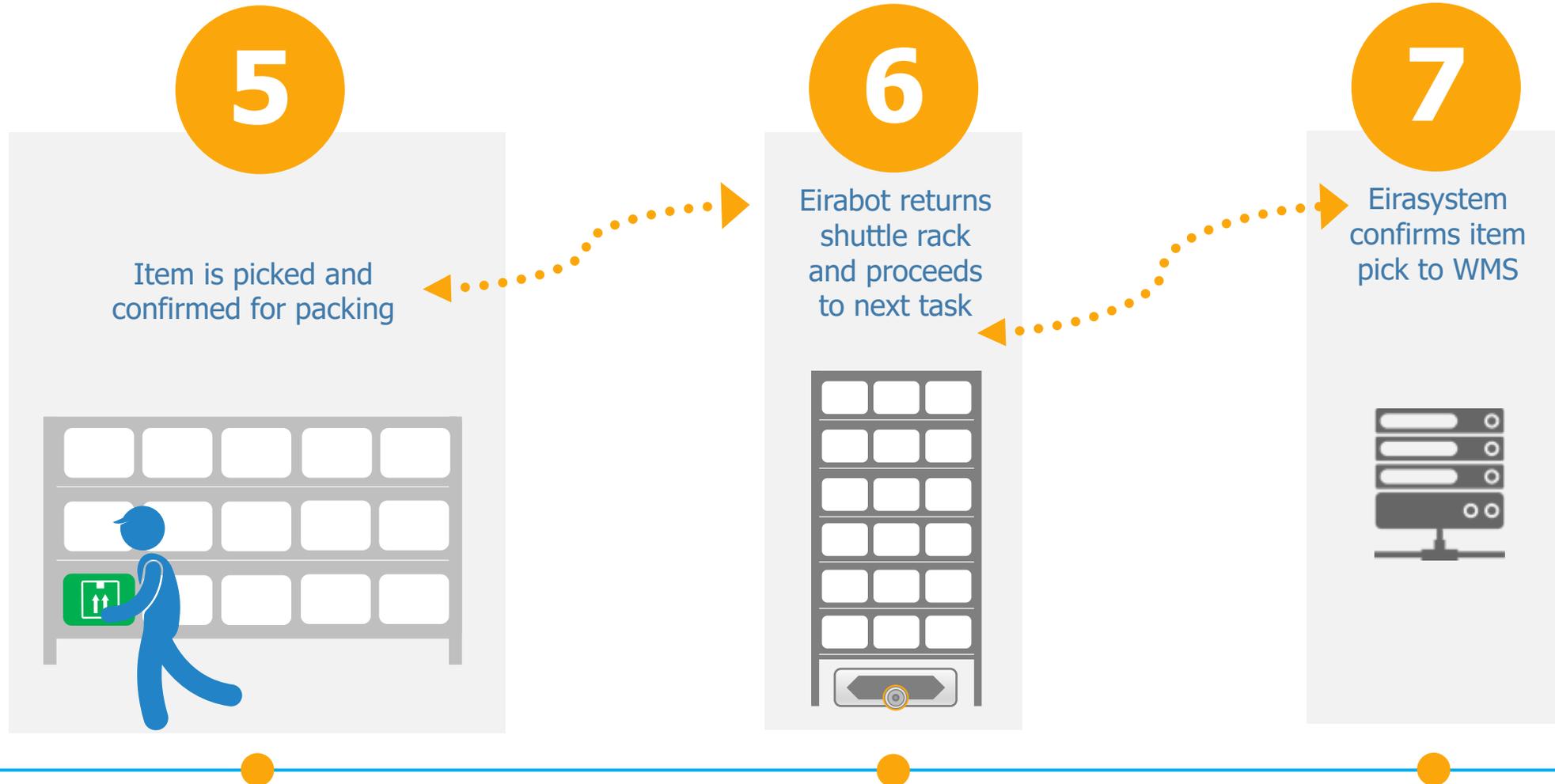
**REAL COST
SAVINGS**



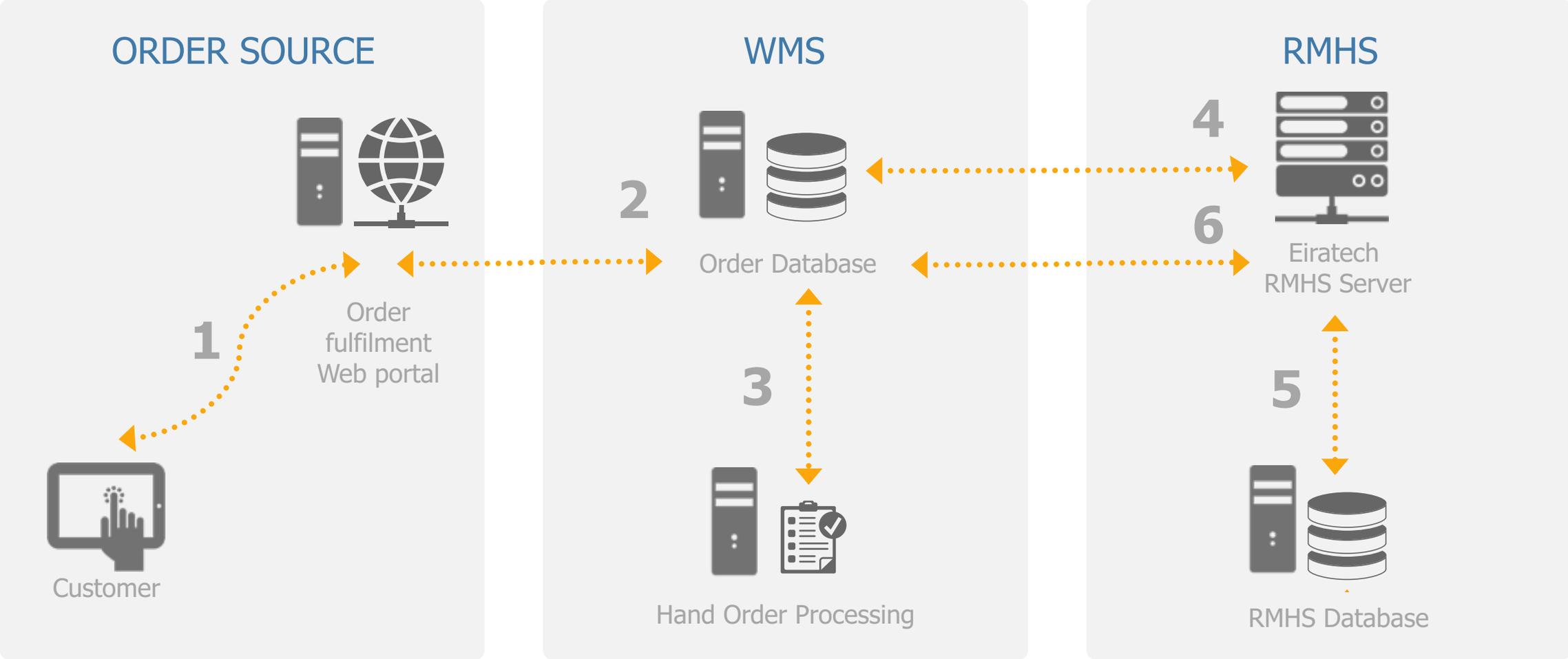
How it works



How it works



Integrate with existing WMS



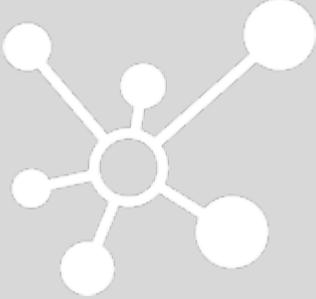
Our Solution



Lowest cost automation solution



Innovative Business Model



Maximising efficiency



Most Flexible solution



Ubiquitous API



Our Team

Eiratech grew out of a team of international professionals from Russian, Irish and US leading companies with experience in industrial automation, warehousing robotics, intelligent hardware sensors, robotics vision and artificial networking.

Many of the team have robotics experience and as such recognised that their research collectively had the potential to radically transform the supply-chain industry.

Eiratech was formed to bring the latest digital technological developments in robotics to the people working in material handling industry.



Eiratech Robotics

Passion for robotics

**Design, Manufacture
& Deliver**

Continuity & Support



Online Retail Market Trends

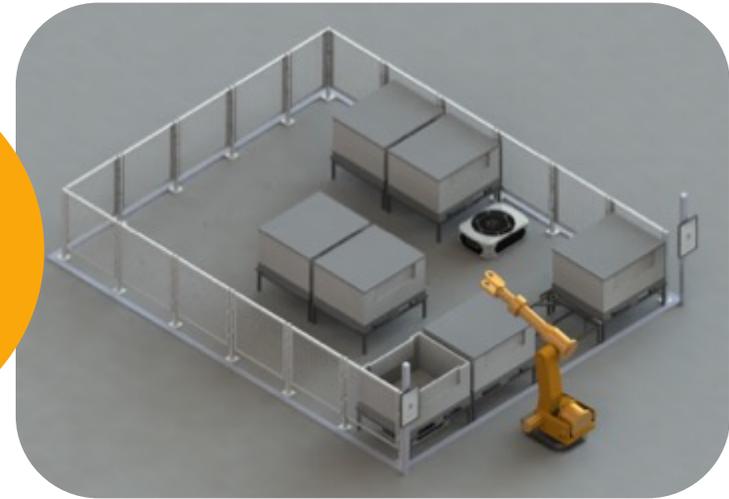


Applications

Ecommerce
fulfilment



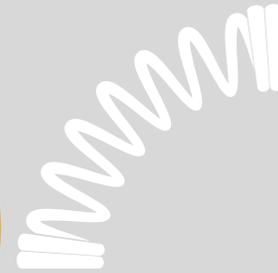
Kitting for
manufacture



Spare parts
control &
processing



Cross
Docking and
order
consolidation



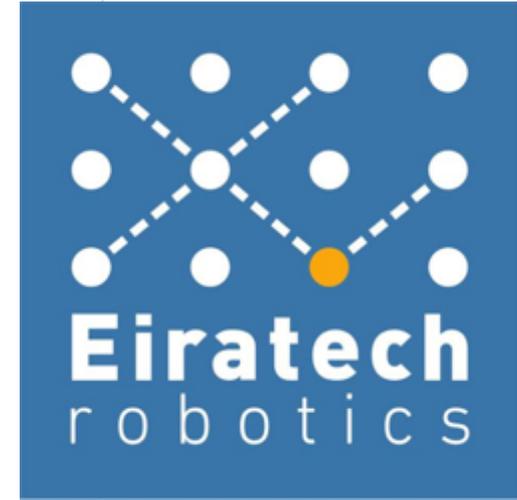
Warehouse
& Retail
Vending
solutions



Concept



The First Robotic Pop-Up Store. Ever.



Thank You