



MYRMEX

MATERIAL HANDLING ROBOTICS



Online Problem / Opportunity

Customers start demanding online service for their groceries

Traditional grocers turned to online in order to maintain their market shares

BUT online model costs more as the grocer must pick and pack the order ...

To turn online a profit grocers need to reduce the costs involved ...

Discounters (Aldi, Lidl, Rewe etc) invaded the market and started to gain market shares

Covid-19 pandemic catapulted the online demand at levels expected to happen 5-6 years later

... and online became a cost leader for the traditional grocers

... and the only feasible way is by using automation to reduce labor costs involved

The Ocado solution

✕
In 2001 OCADO is founded in London by three ex Goldman Sachs traders creating the first pure online grocery business in the UK

▶ Their goal was to deliver the online orders at the kitchen of the customers...

▶ Ocado met that goal by extensively incorporating automation in their logistics processes ...

▶ From 2018 onwards Ocado starts selling technology to other big international chains (Kroger, Group Casino, Coles, Aeon etc)

▶ ... matching the store prices of Tesco, while operating on profit.

▶ ... and from 2017 onwards by introducing robotic material handling systems

▶ On Sep 2020 the stock market valuation of Ocado exceeds that of Tesco

700 x 350

The Myrmex Journey

Myrmex founded in 2015 to develop solutions for online retail logistics based on robotic technologies

Funded by a VC supported by EIF developed a first Autonomous Mobile Robot (AMR) in 2017

In July 2018 the first two patents were granted by the US Patent and Trademark Office (USPTO)

In April 2020 a third patent was granted by USPTO

In June 2018 a first fleet of AMRs was in operation

In July 2019 a V2 system was released

On Oct 2020 Ocado acquires minority stake in Myrmex and a Design Appointment Agreement is signed

Basic Elements of Myrmex Solutions



Mini Load



Roll Rack

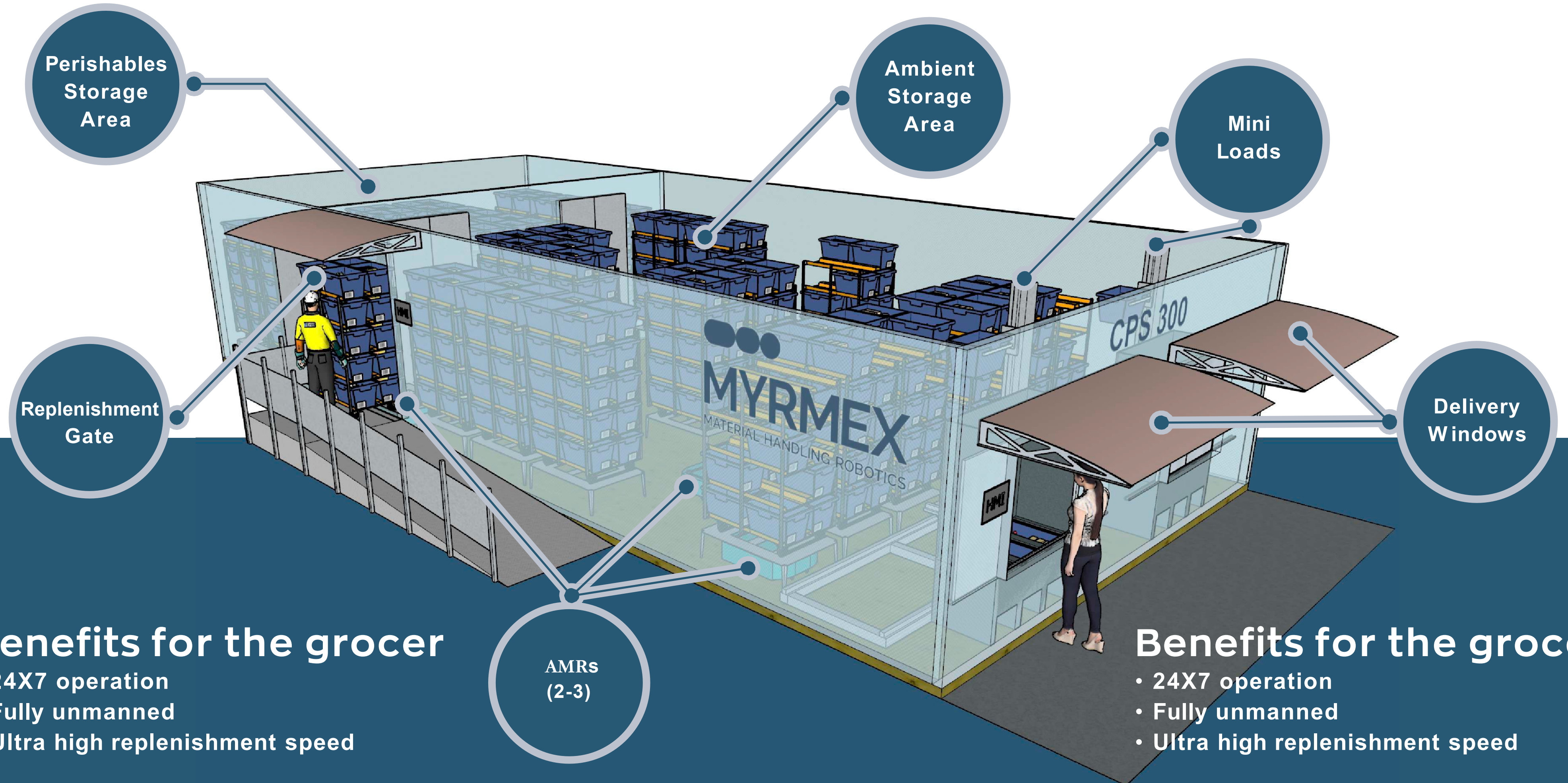


Autonomous Mobile Robot(AMR)

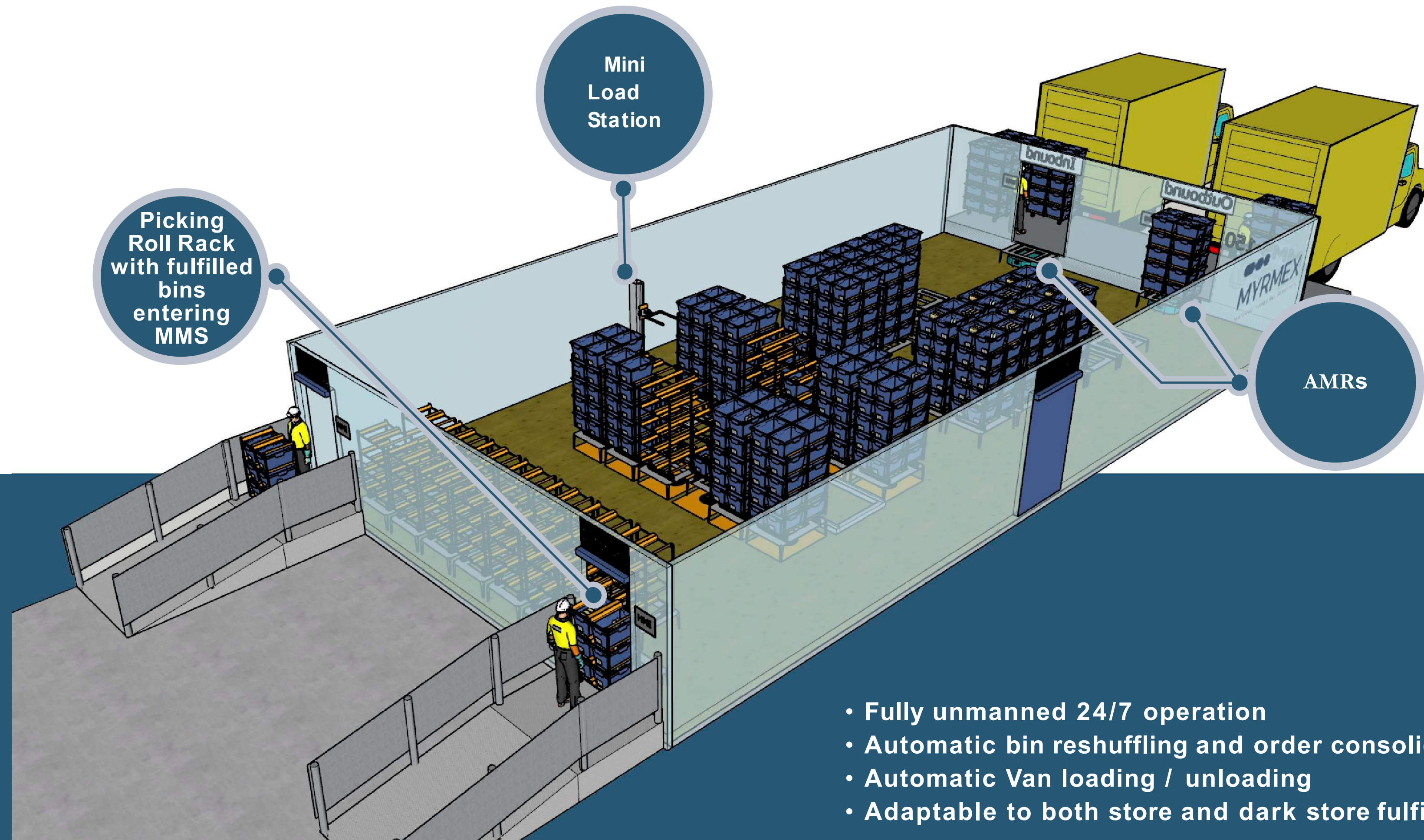


Bin (Tote)

Curbside Pickup System (CPS)



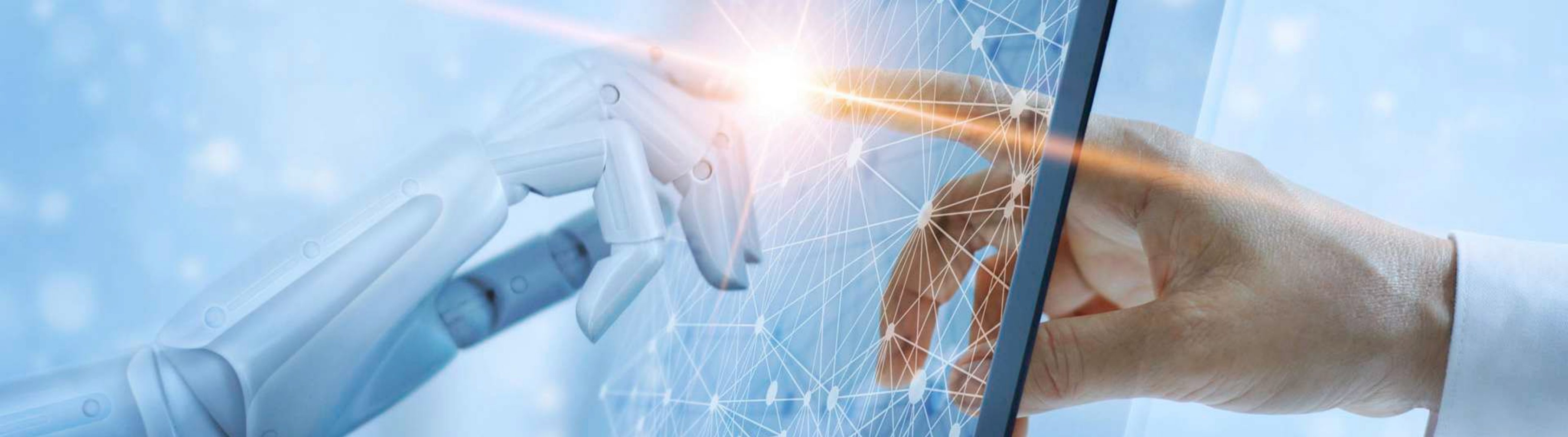
MMS - Myrmex Marshalling System



Marshalling and Dispatch Handling



www.youtube.com/watch?v=n5G3KfE8PVc&feature=emb_title



Thank you



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