

Global Heavy Vehicle

Hosted by ARTSA



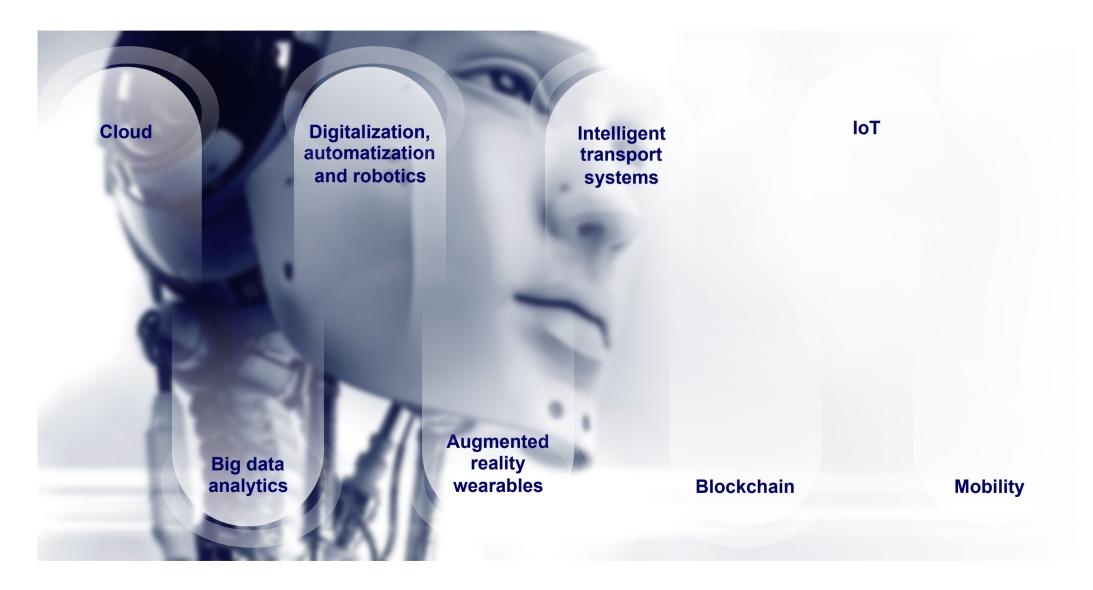
DB Schenker Freight Forwarding & Contract Logistics Driving Innovation

Schenker Australia Pty Ltd | Charlie Macdonald | Melbourne | 2018



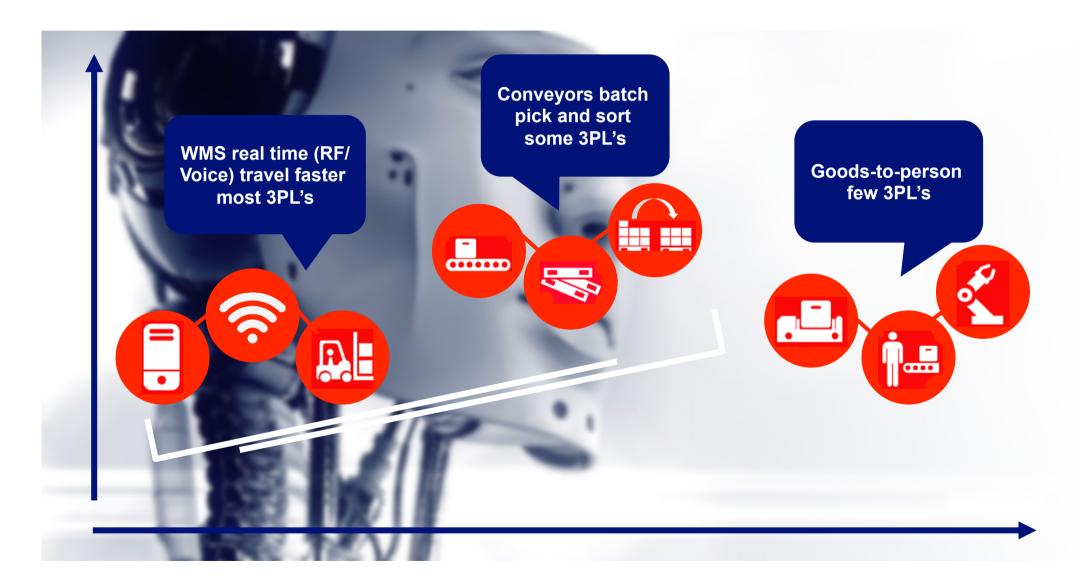


Technology mega trends





A view of warehouse automation





Online ordering – the omni channel challenge





Changing the face of the warehouse Augmented reality drones



Wearable smartglasses

- Worker is supported with a glass that can show basically any visual information in a little screen
- Worker can navigate the various functions via choicecommand and/or touch/gesture control (e.g the vocal command "scan" opens a scan window allowing to scan items)

In warehouse drones

- Automation of stock taking
- Manned and non-manned

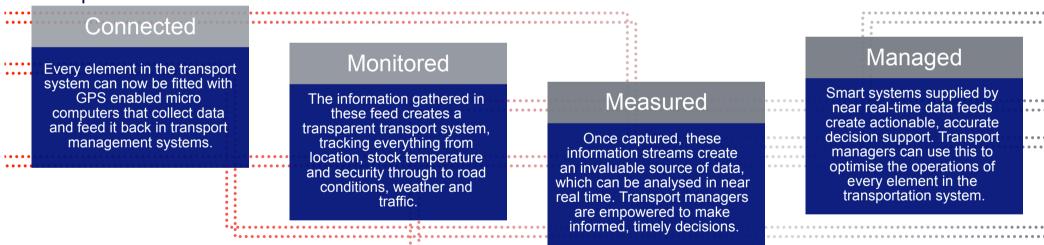


IOT in supply chain logistics



Connected future

Technologies are converging to create a transport and logistics industry where systems are tracked, optimised and constantly improved



Source: Telstra IoT

Blockchain opportunity



Blockchain trial to combat fake goods

Australian blockchain outfit TBSx3 has completed one of the largest trials of the technology to secure cargo across the global supply chain, with company founder Mark Toohey hailing it as a first step in combating the trade of counterfeit goods.

TBSx3 has developed a blockchain-based verification system that it says delivers military-grade Security across global supply chains. The company said its use of 44 alphanumeric character security cryptography, compared with the more commonly used six-digit public cryptography. allowed it to secure the entire chain of custody.

TBSx3 managed to get the co-operation of some of the biggest names in the freight business for the trial. DP World Australia, DB Schenker and Hamburg Sud all took part.

- Supratim Adhikari (Technology Editor)



Last mile delivery options



Current

Parcel lockers





Shared drops PUDO networks







Home lockers







2-sided market places – hypa local networks







Future

Airborne drones



Autonomous guided vehicles-







Car boot drop off













Augmented reality



News update



Technology

Robot company Starship Technologies plans 1,000 delivery bots

By Melanie Abbott BBC Radio 4's You and Yours

① 1 May 2018













A company which specialises in delivery robots plans to expand its operations from two campuses to twenty by 2019 with a fleet of a thousand.

Starship Technologies is partnering with the Co-op in Milton Keynes to deliver groceries there.





Thank you for listening



@MacdCharlie



au.linkedin.com/in/macdonaldcharlie/

