

OPEN 2022

CHICAGO | CINCINNATI | DALLAS | DETROIT

Session Title

The intersection of interoperability

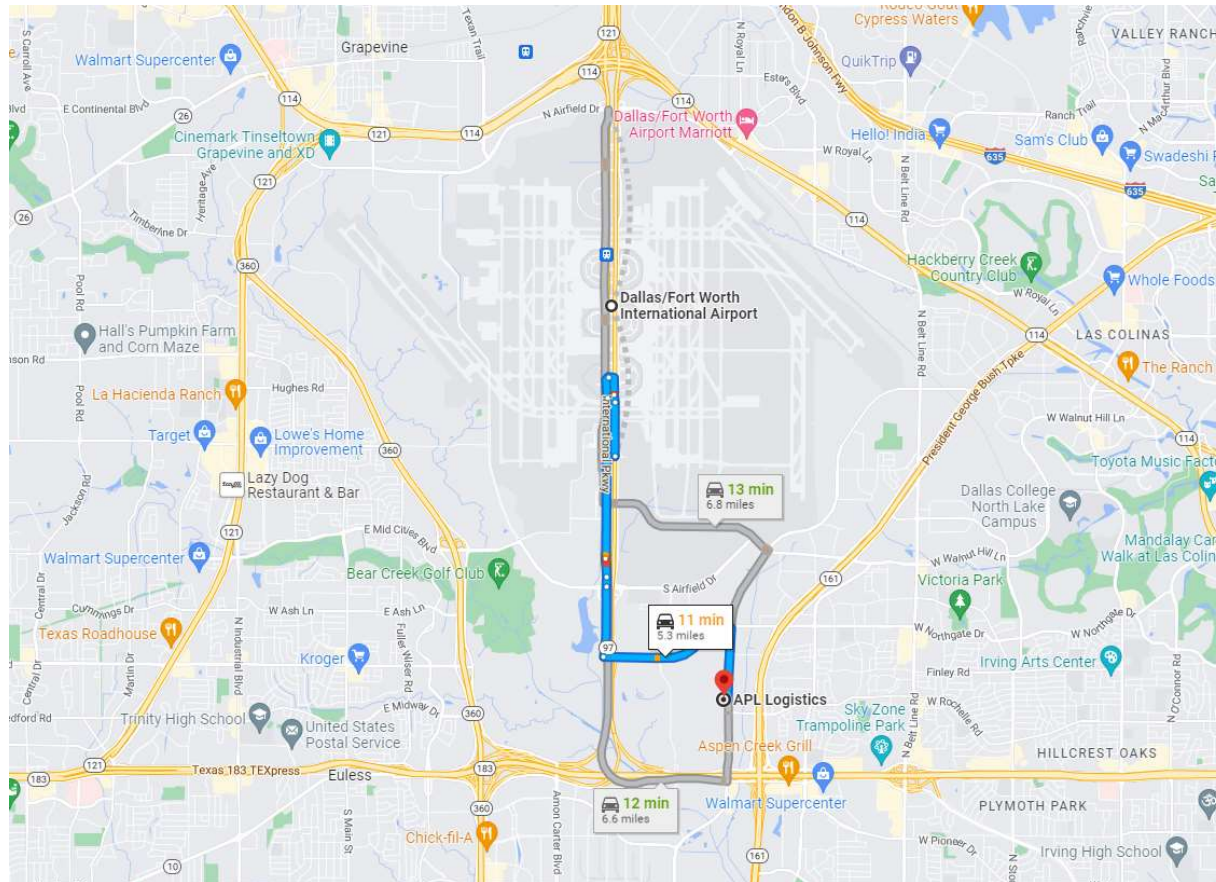
Session Description

How mobile robots have been and continue to play a pivotal role in the 4th industrial revolution. And the current challenges that have arisen around intersection management and increasing congestion on the factory floor.

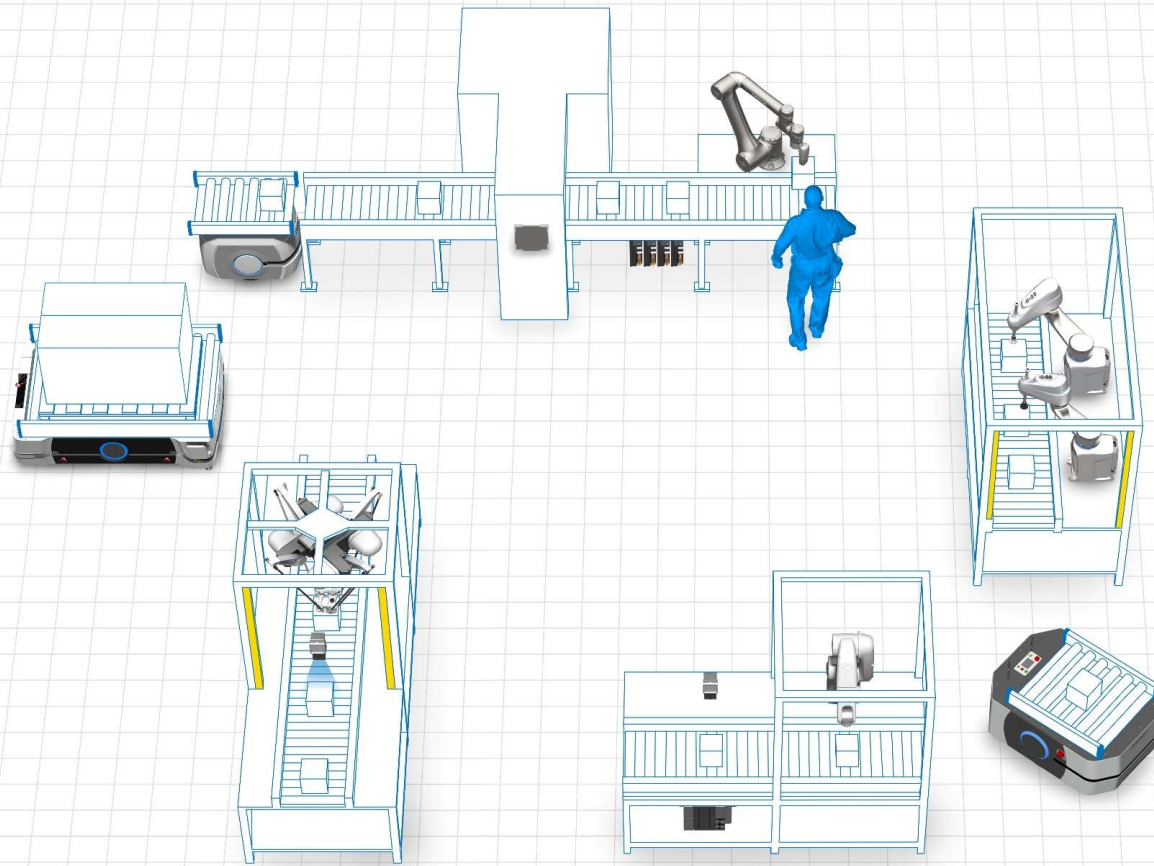
Take Away

Catch up on the history of autonomous mobile robots navigating their way into the factory and the challenges that lie ahead as they continue crossing the chasm towards mass-market adoption.

Autonomous Mobile Robots



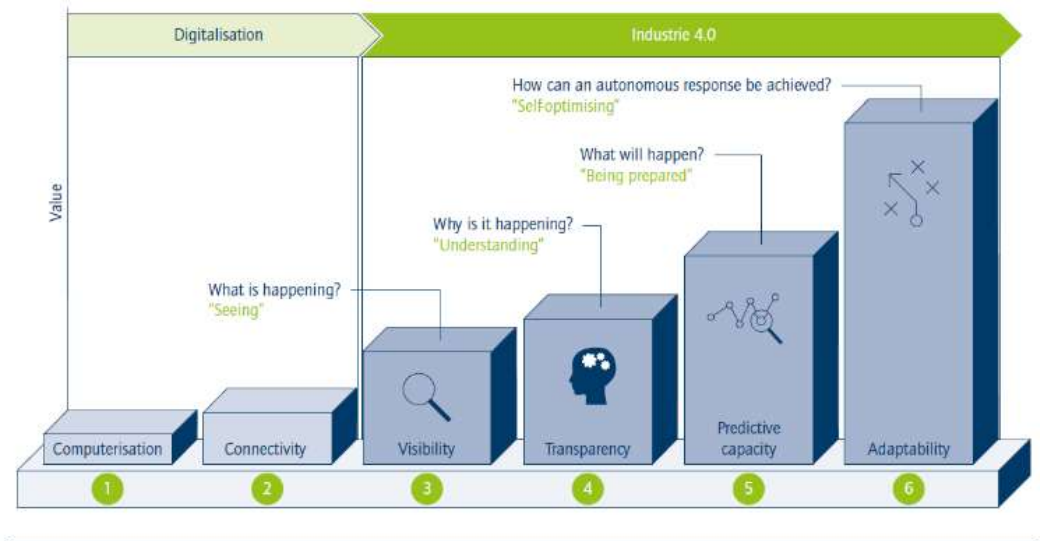
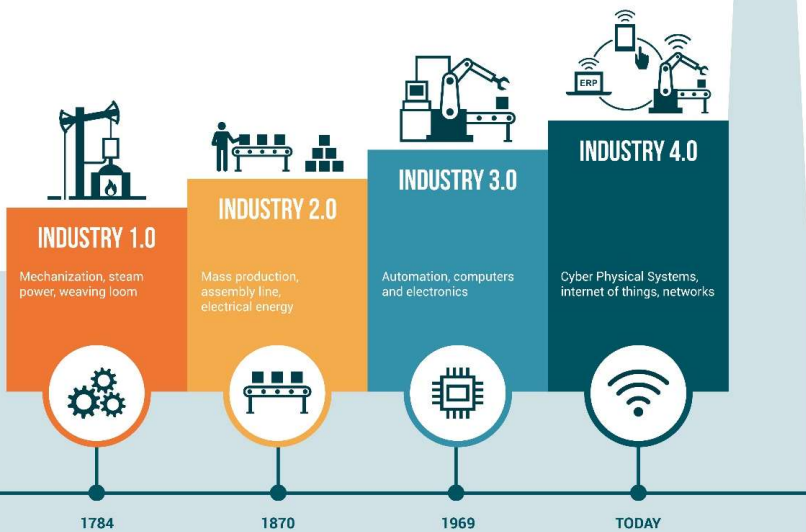
Flexible Throughput Options



The 4th Industrial Revolution

INDUSTRIAL REVOLUTION

TRANSFORMING INDUSTRIES AND INNOVATION



Stages in the Industry 4.0 development path (source: FIR e. V. at RWTH Aachen University)

Brief History of Autonomous Manufacturing



Brief History of Autonomous Manufacturing



As the mobile fleets continues to grow...

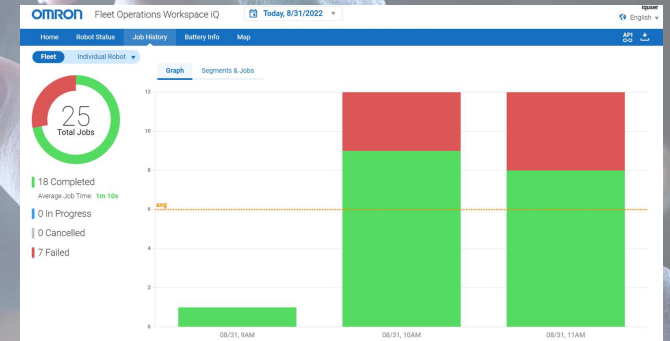
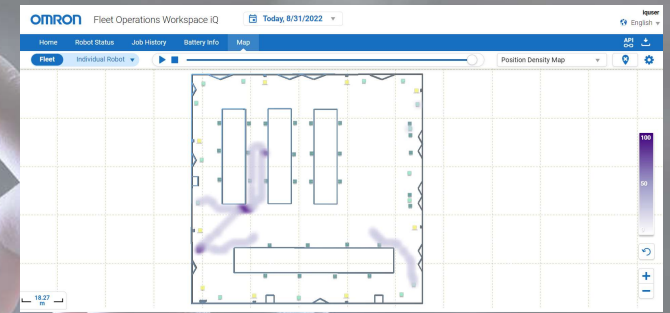


ROS

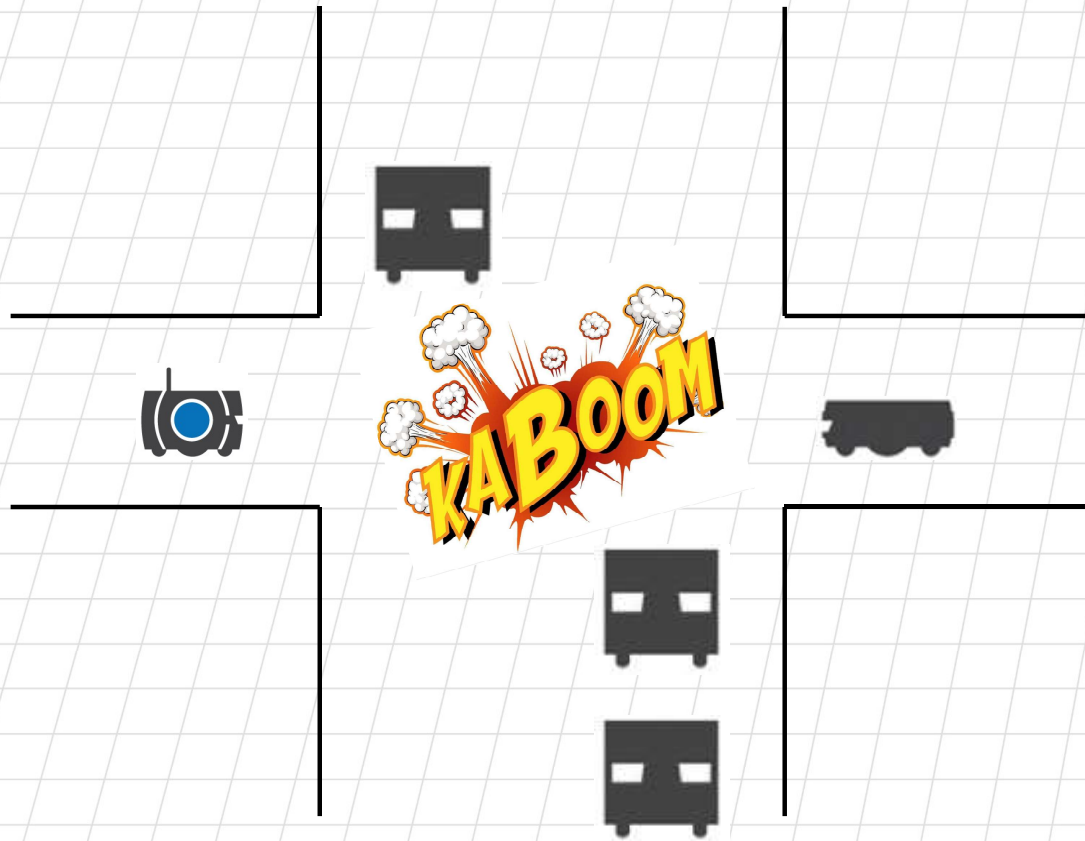


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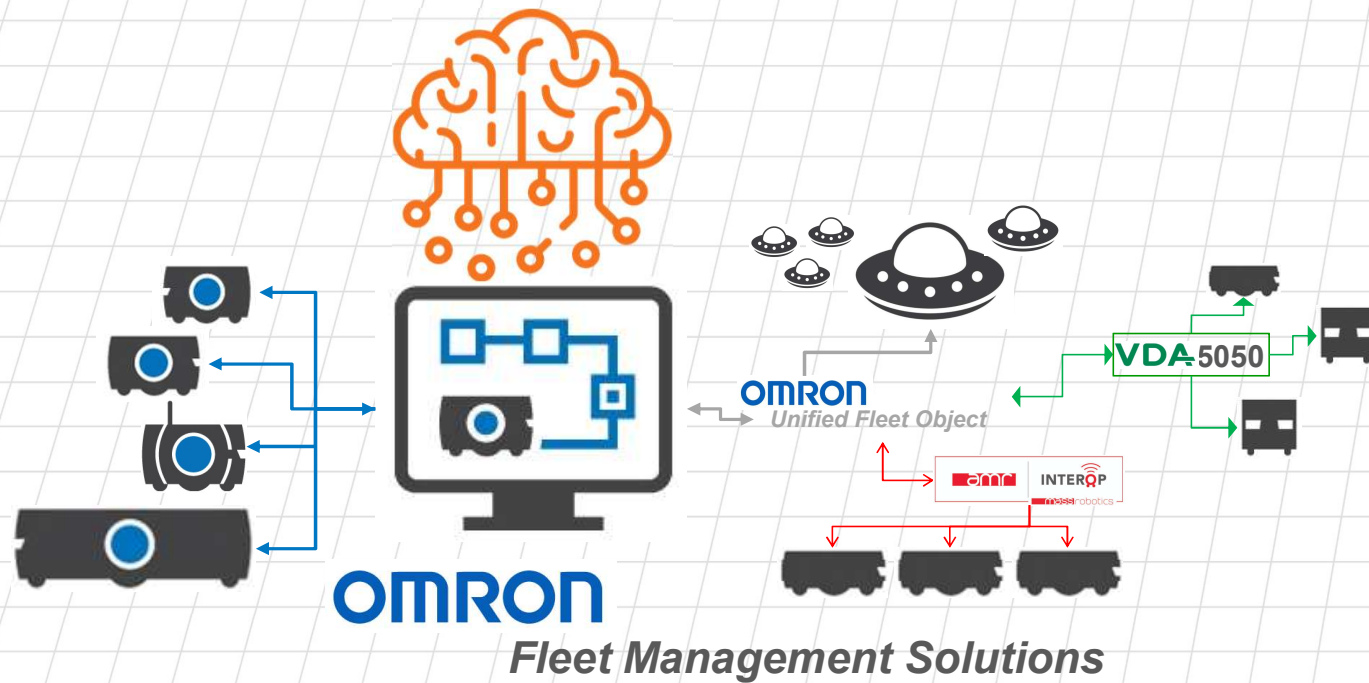
Autonomous Mobile Interoperability



The Intersection



The Future of Flexible Fleet Management



Q & A and Follow Up



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