PORT DECARBONISATION AND ENVIRONMENTAL SUSTAINABILITY

14:00 - 14:55

Emerging Technologies – Industry Use Cases

Autonomous road vehicles in ports

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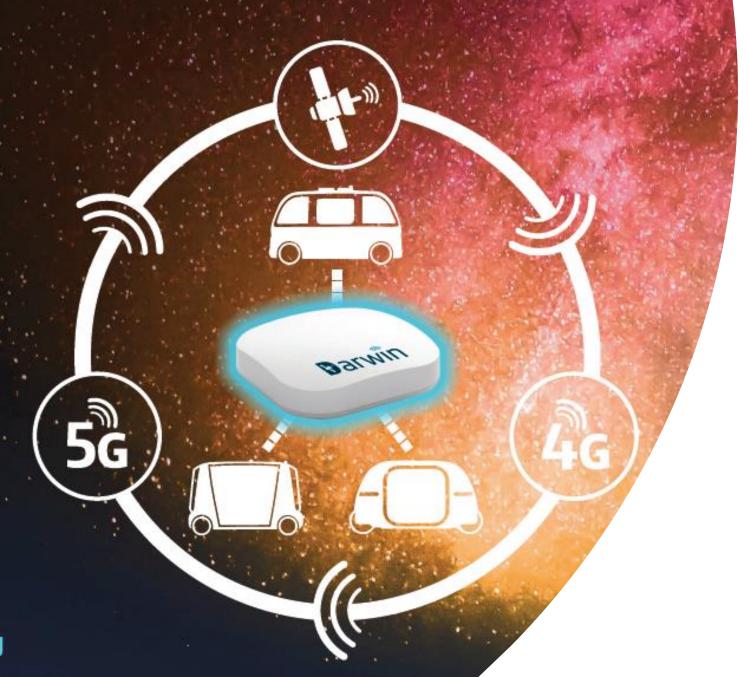
In association with Redshift Associates

Parwin

Connected Autonomous Vehicles

Port Solutions

Any type of vehicle, anywhere.





Spin off from Telefonica

Producers of terrestrial-satellite connectivity solution (HUT)

Two joint international patents

Providers of CAV services

Darwin Teams

- Harwell
- Glasgow
- Malaga



CAV Firsts

First: CAV on public Roads in the UK

Longest : Running CAV trial in the UK

The most significant: CAV trial in the UK (as per Insurance Industry)



The Darwin Autonomous Shuttle (DAS) currently travels on Fermi Avenue and Eight Road, with ESA building being the starting station for both routes. You can track the shuttle here to find out when it's expected at a particular stop.



Oxford Harwell Science Campus 9am-4pm Mon – Fri operation

Oxford





Oxford





Darwin Services

Pilot Objectives

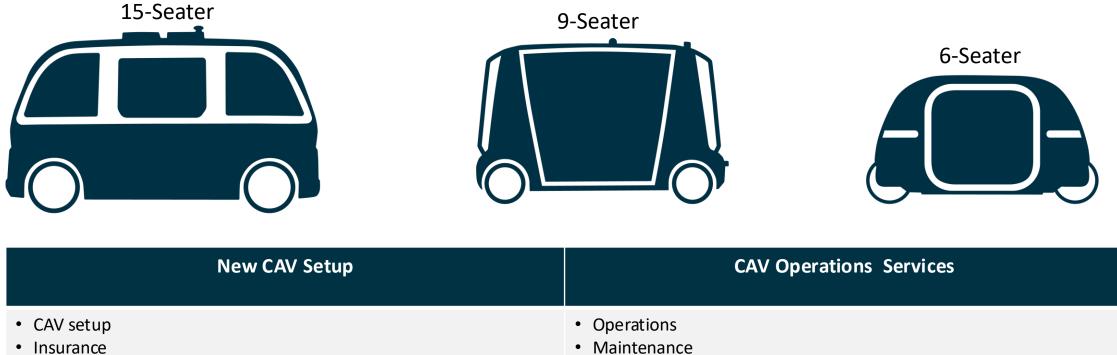
- Pilot CAVs for Passenger Transportation
- Linked to Cruise Ship Timetables
- On Demand requests from Yachts
- Integration of Land & Maritime Traffic

Why CAV's

- Suitability of CAVs in a Port Environment (enclosed space, low speed)
- Smart port initiatives 'Just In Time' Services
- Sustainable solutions Green Ports Initiatives

DARWIN INNOVATION GROUP

Our CAVs Services Offers



- Regulatory
- Commissioning route
- PR/Marketing
- Sales positioning on the market

- PR/Marketing





Upcoming Pilot Study European Port

Pilot service starting from March 2025.

• First service of CAVs in Spain and reference port for Europe.

The **Cost** of the pilot will be kept to a minimum and will include:

- Mapping and scheduling the route
- Import of the vehicles
- Vehicle registrations
- Training of the operators
- Mobile applications for Passengers/Operators
- Data capture

Monetisation of the service by the port can be done via:

- Selling Passenger Tickets
- Selling Advertising on the Shuttles
- Increasing the Standard Port/Docking Fees

Further Pilots in discussion with other European Mediterranean ports

Parwin

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