

Connected Autonomous Vehicles

—
Port Solutions

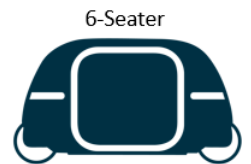
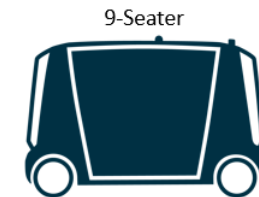
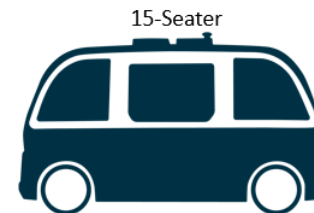
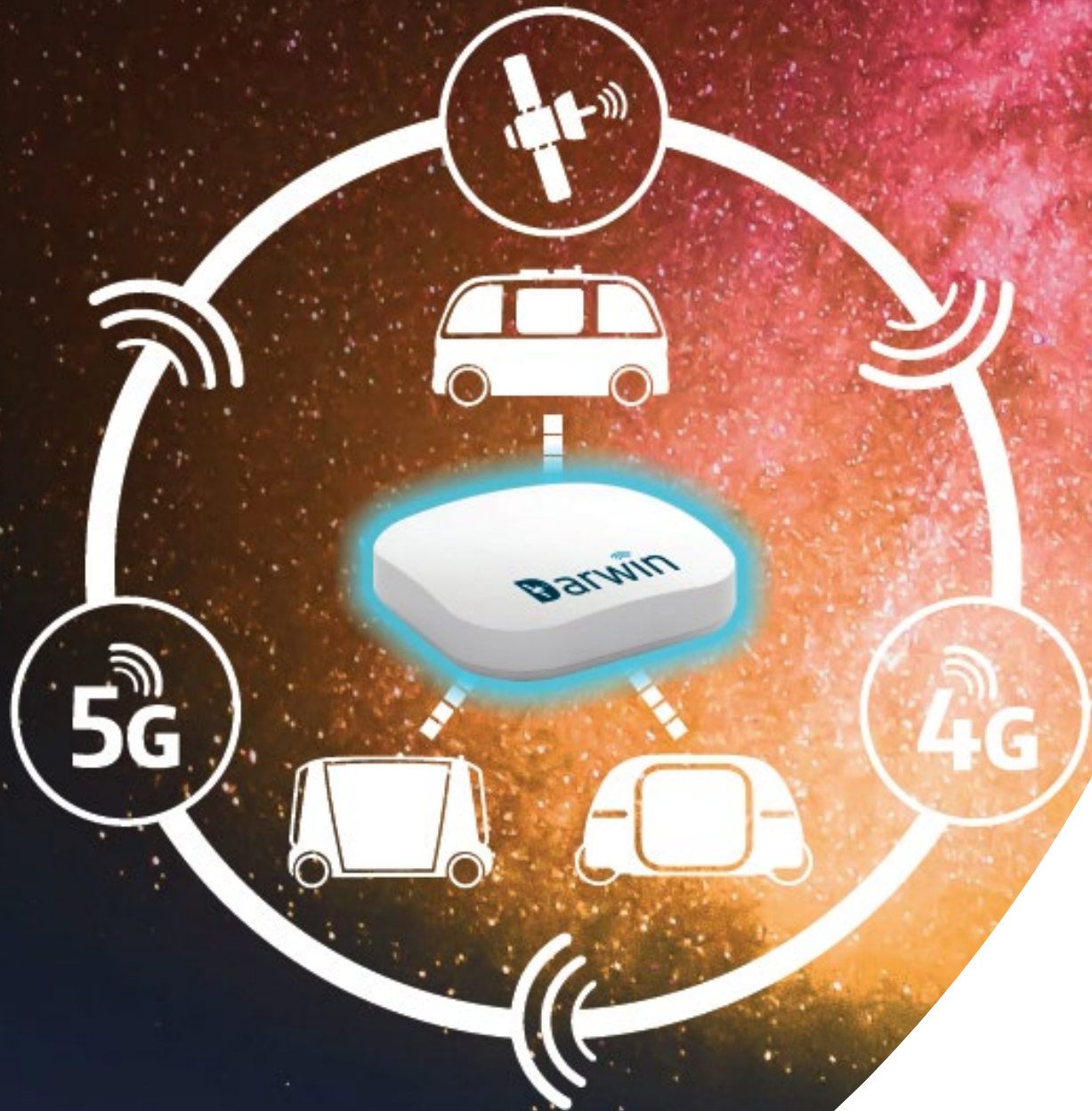
Any type of vehicle, anywhere.



Spin off from Telefonica

Producers of terrestrial-satellite connectivity solutions (HUT) and Providers of CAV services

Two joint international patents



New CAV Setup	CAV Operations Services
<ul style="list-style-type: none">• CAV setup• Insurance• Regulatory• Commissioning route• PR/Marketing• Sales positioning on the market	<ul style="list-style-type: none">• Operations• Maintenance• PR/Marketing

Based in Harwell, Oxford, Glasgow – UK and Malaga - Spain

CAV Firsts in the UK

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)



18371
Autonomous Hours

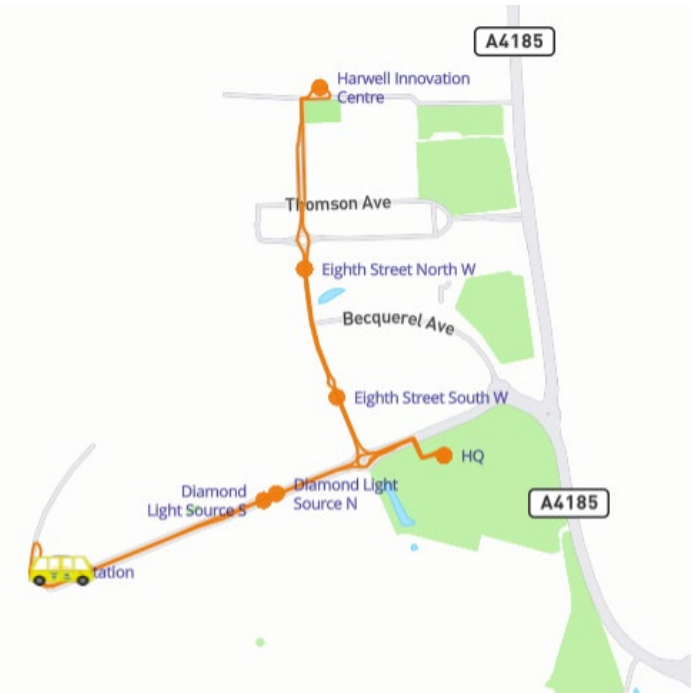
8518
Autonomous Miles

1430
Passengers Served

TAKE A RIDE IN OUR SELF DRIVING SHUTTLE

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





Darwin Pilots

Pilot Objectives

- CAVs for People Transportation
 - Peel Ports Liverpool
 - Crane Staff Transportation
 - Shift Pattern Integration
 - Reducing CO2 Emissions
 - Repurposing of Car Park Areas

Why CAV's

- Suitability of CAVs in a Port Environment
 - Enclosed space, low speeds
- Smart port initiatives
 - Just In Time Services for Staff Transportation
- Sustainable solutions - Green Ports Initiatives
 - Zero Emission Transportation



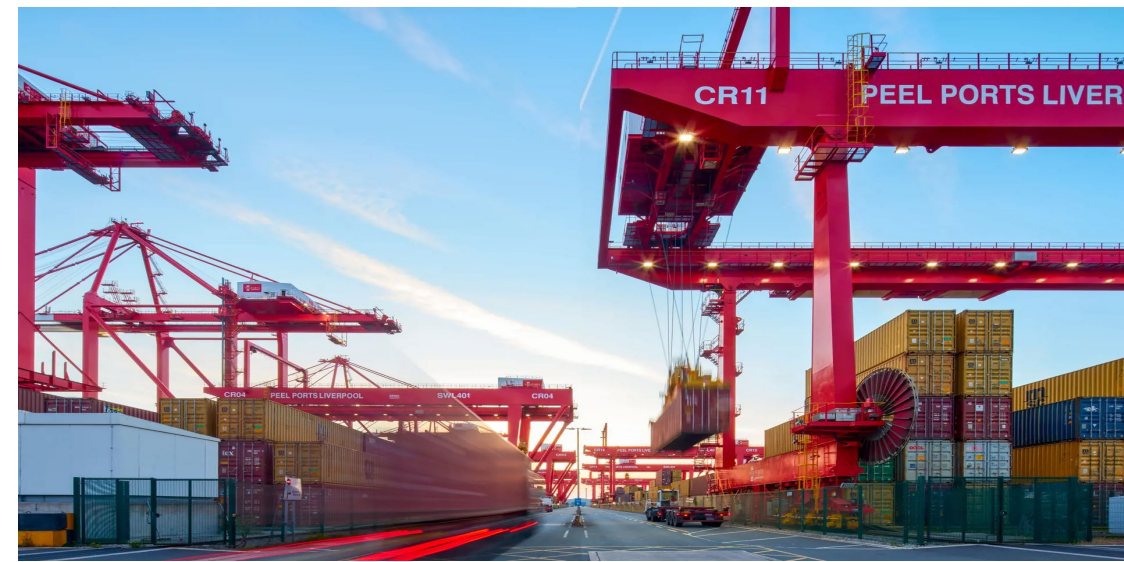
The Challenges

CAV Logistics

- Mapping and scheduling the routes
- Import and Registration of vehicles
- Vehicle Insurance / Port Insurance
- Regulatory Hurdles
- Training of the operators
- Mobile applications for Passengers/Operators
- Always on Connectivity (5G / Satellite)

CAV Data

- Data capture is critical when operating CAVs
- Monitoring and Control is essential
- Insurance Providers mandate it
- We have developed the **Darwin Connect Platform** to ingest, transform and export high volumes of complex data that CAVs produce



The screenshot displays the Darwin Connect Platform interface. The top navigation bar includes the Darwin logo, user information (paul.rizos@darwinav.com), and a SIGN OUT button. The main content area is divided into two sections: a Transformation Template and a Process Monitoring dashboard.

Transformation Template: This section includes tabs for GENERAL, SOURCE, TARGET, MAPPING, and EXCEL VIEWER. It features a 'SELECT FILE' button, a 'Source file not selected.' message, and a 'Final Data Feb-21 to Feb-22' dropdown. Below this, there are checkboxes for 'This is Fleet Exposure' and 'Singular Data'. The 'Singular Data' section has a 'SELECT CELL' button. The 'Tabular Data' section has a 'SELECT HEADER CELLS' button. The 'Calculated Data' section includes fields for 'Field Name', 'Field Validation', and 'Field Calculation *'. There is also a checkbox for 'Is Default'.

Process Monitoring: This section displays a table of data items and a summary of processing status.

Created	Name	Description	Status
2025-05-01T08:54:40.338Z	Uploaded @ 01/05/2025 08:54:40	Uploaded by paul.rizos@darwinav.com @ 01/05/2025 08:54:40	FINISHED
2025-05-01T07:05:57.052Z	Uploaded @ 01/05/2025 07:05:55	Uploaded by paul.rizos@darwinav.com @ 01/05/2025 07:05:55	FINISHED
2024-12-19T13:30:32.840Z	Uploaded @ 19/12/2024 13:30:31	Uploaded by paul.rizos@darwinav.com @ 19/12/2024 13:30:31	FINISHED
2024-12-17T13:20:59.477Z	Uploaded @ 17/12/2024 13:20:59	Uploaded by srdjan@1way2cloud.com @ 17/12/2024 13:20:59	FINISHED
2024-11-28T12:29:07.481Z	Uploaded @ 28/11/2024 12:29:07	Uploaded by vuk@1way2cloud.com @ 28/11/2024 12:29:07	FINISHED
2024-10-22T13:14:04.895Z	Emailed @ 22/10/2024 13:14:04	Emailed from vuk@1way2cloud.com @ 22/10/2024 13:14:04	ERRORED
2024-10-01T13:52:29.694Z	Uploaded @ 01/10/2024 13:52:28	Uploaded by vuk@1way2cloud.com @ 01/10/2024 13:52:28	ERRORED
2024-09-30T07:52:51.000Z	Uploaded @ 30/09/2024 07:52:49	Uploaded by srdjan@1way2cloud.com @ 30/09/2024 07:52:49	FINISHED

Summary: Number of Items: 313. Selected Case Id: eb3608f7-6308-4316-9c4e-6e87b4a0120e. Status: FINISHED. Name: Uploaded @ 01/05/2025 08:54:40. Description: Uploaded by paul.rizos@darwinav.com @ 01/05/2025 08:54:40. Total records: 100. Progress status: 100%.

Processed: Standardise: 100 (100%), Validate: 100 (100%), Enrich: 100 (100%), Transform: 100 (100%). Warnings: 233. Standardise: 0, Validate: 233, Enrich: 0, Transform: 0.

Download Source File

Selected Case Id: eb3608f7-6308-4316-9c4e-6e87b4a0120e

Created At	Name	Description	Created At	Status
2025-05-01T08:54:53.406Z	Case Updated	'status': 'STARTED' to 'FINISHED'	2025-05-01T08:54:53.406Z	FINISHED
2025-05-01T08:54:52.451Z	Case Updated	'processedCountTransform': '67' to '100'	2025-05-01T08:54:40.338Z	QUEUED
2025-05-01T08:54:52.166Z	Case Updated	'processedCountDeduplicated': '67' to '100'		
2025-05-01T08:54:52.166Z	Case Updated	'warningsCountDeduplicated': '67' to '100'		
2025-05-01T08:54:51.521Z	Case Updated	'processedCountTransform': '43' to '67'		
2025-05-01T08:54:51.264Z	Case Updated	'warningsCountDeduplicated': '43' to '67'		
2025-05-01T08:54:51.264Z	Case Updated	'processedCountDeduplicated': '43' to '67'		

Selected Case Id: eb3608f7-6308-4316-9c4e-6e87b4a0120e

id: eb3608f7-6308-4316-9c4e-6e87b4a0120e

name: Uploaded @ 01/05/2025 08:54:40

description: Uploaded by paul.rizos@darwinav.com @ 01/05/2025 08:54:40

apiUrl:



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