

Darwin Innovation Group

Creating a more connected world

ESA COMMERCIALISATION GATEWAY

SPACE FOR BUSINESS
BUSINESS FOR SPACE

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An introduction to Darwin



We're Darwin Innovation Group, established in the United Kingdom and Spain.

By combining 5G and satellite communications, we offer continuous connectivity on the move.

We can also help you set up and run your own self-driving shuttle service.



Using satellites to stay connected on the move



Darwin's Hybrid User Terminal (HUT) lets vehicles switch seamlessly between 4G, 5G and satellite networks. If one network moves out of range, another replaces it instantly, with no interruption.

This means that vehicles and travellers can connect to the internet and stay connected, even when travelling through areas where terrestrial coverage is not available. The benefits include:

- ✈ **Information.** With a reliable connection, it becomes possible to access maps or traffic information throughout a journey, or to gather real-time data about how vehicles are used.
- ✈ **Entertainment on the move.** Drivers can stream music, radio or podcasts. Passengers can stream video or play online games.
- ✈ **Work.** Travellers can make the most of their commute by accessing emails, downloading files or holding video calls without interruption.
- ✈ **Autonomy.** Self-driving cars need a reliable connection at all times. Darwin provides that connection.

An innovation ecosystem in action



Darwin works closely with other organisations, such as ESA, to break new ground and achieve new heights.

We operate the Darwin Autonomous Shuttle at Harwell Campus, the longest-running autonomous public transport system in the UK. By sharing data from the shuttle with our insurance partners, we're enabling the development of insurance products for connected and autonomous vehicles (CAVs).

With the reliable connection that Darwin provides, CAVs can fill gaps in rural public transport networks, reducing dependence on high-emission single-occupant vehicles.

By working together and harnessing the power of space, we can all drive the world towards a more efficient, more sustainable future.

To learn more, visit our website at darwincav.com

