

Dense Air Partnered with Airspan to Upgrade Millbrook Proving Ground's Private Network to Enhance its AV Testing Services

Industry
Autonomous Vehicle

Location
Millbrook, UK

Partner
Dense Air

End User
Millbrook Proving Ground

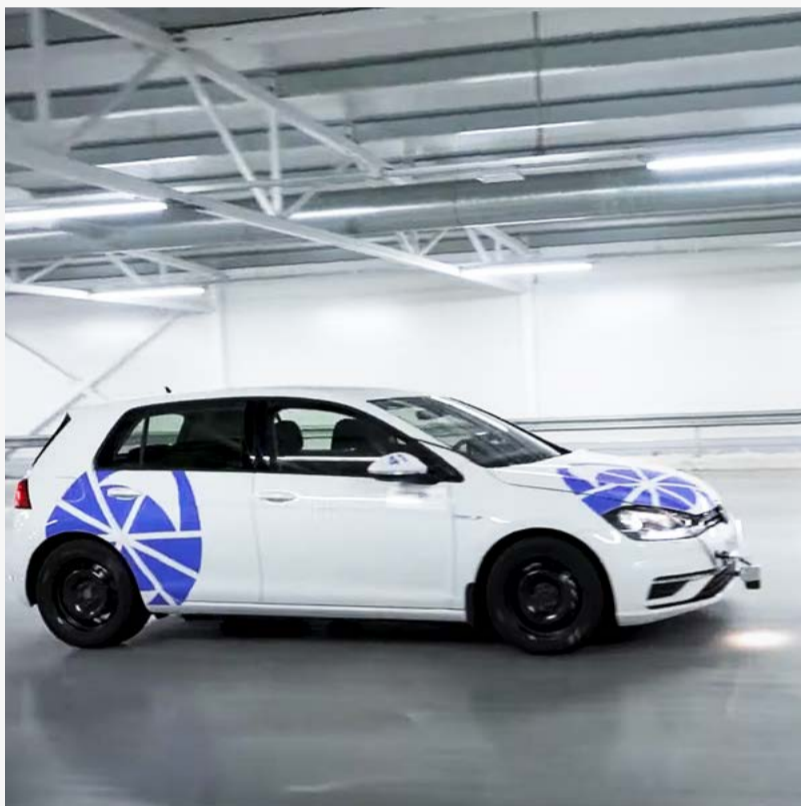
Reference

Overview

Dense Air, the neutral host operator worked with Airspan to upgrade Millbrook's network. Millbrook Proving Ground provides vehicle test, validation services and systems to customers in the automotive, transport, tyre, petrochemical and defense industries.



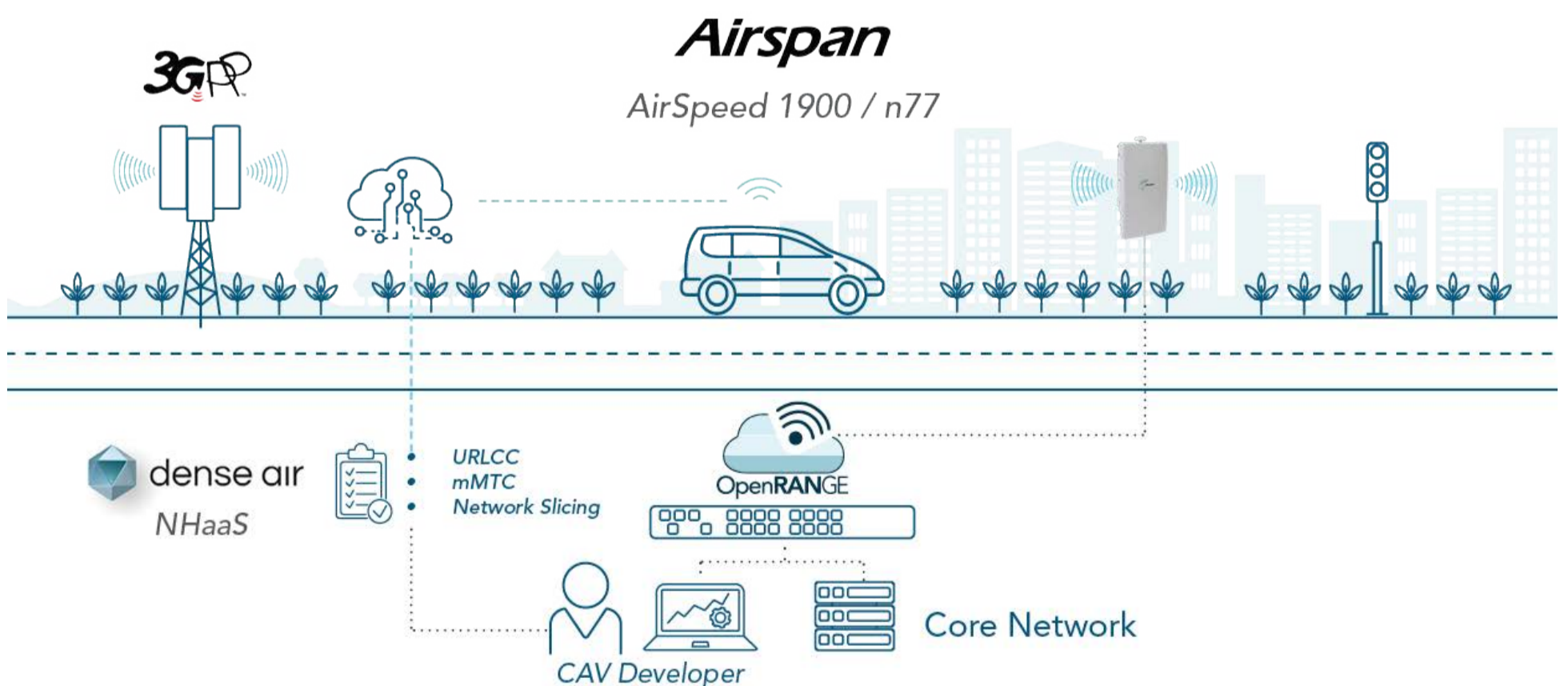
Challenges



Connected and Autonomous Vehicle (CAV) developers will have access to the network. CAV will test the full capabilities of the latest 3GPP such as Ultra Reliable Low latency Communications (URLLC), Massive Machine Type Communications (mMTC), and network slicing into a real-world test arena for the first time in the UK. Each has a baseline. With URLLC, latency as low as 3ms can be experienced and mMTC brings the potential of connecting massively more devices per km². Network slicing gives a dedicated portion of the network to each network service, facilitating separate localisation, edge-computing and cloud access.

Solution & Benefits

Millbrook's major network upgrade to 3GPP 5G SA Open RAN technology from Airspan Networks. It achieved the key goals of the DCMS AutoAir 5G project to ensure that the network was sustainable and provided a lasting legacy for Millbrook and the UK's CAV eco-system. The deployment of a 3GPP 5G standalone infrastructure using the n77 band creates a unique test and development opportunity that can support both automotive and telecommunication eco-systems, within a bookable and accessible research facility.



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