



FARM-WIDE WIFI

PARTNERS



IN SHORT

This Food Agility CRC project delivered a commercially available WiFi product within 18-months. It built connectivity infrastructure that has given farmers farm-wide access to the internet, meaning they can access the digital tools that enable them to be more sustainable, productive and profitable.

"The real-world impact of this collaboration is evident in Zetifi's successful development and commercialisation of the ZetiRover – a roaming WiFi hotspot for vehicles and farm machinery. This product stands as a testament to the practical applications of cutting-edge research and development."

Dan Winson, Zetifi

THE CHALLENGE

Lack of on-farm connectivity is the single greatest barrier to improving productivity and sustainability in Australian agriculture. Farmers increasingly rely on high-level data analytics, automation and networks of devices that talk to each other. But getting WiFi coverage to run these devices over vast distances and line-of-sight obstacles is a major challenge.

OUR APPROACH

This project developed antenna arrays that can be fitted to mobile and stationary farming equipment to provide long-range communication. Tractors and trucks have become roving WiFi devices with a range of up to five kilometres, providing farm-wide coverage. The technology is a combination of adapted off-the-shelf options and bespoke solutions. The new technology was built for Australian conditions and trialled at the Global Digital Farm in Wagga Wagga, NSW.

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