

An aerial photograph of a rural landscape. In the foreground, a tall, silver 5G telecommunications tower stands prominently. The ground around the tower is a mix of green grass and brown dirt paths. In the background, there are extensive rows of trees, likely an orchard, stretching towards the horizon under a clear sky.

# Using 5G to enable the “Agriverse” – digital innovations in Australian Agriculture.

Louise Bradford, COO at Connected Farms.



# Ag sector and digital adoption now.

## ( Agriculture Snapshot )

**Over 85,000**  
**farm businesses**  
in Australia,  
employing over  
**305,000**  
**people**



**Digital adoption**  
in Australian  
agriculture is  
estimated at just **10%**

**Target of**  
**\$100**  
**billion**  
**industry**  
**by 2030**



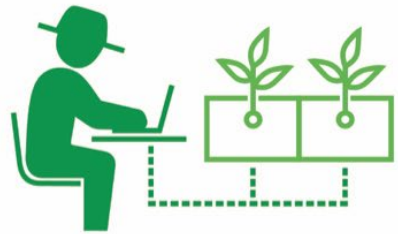
**A three-fold**  
**increase** in  
active technology  
users is required  
for agriculture  
**to reach**  
**this goal**

**Fence to Fence connectivity**  
on farm enables the sector to  
**adopt digital agriculture**



# Digital Ag – unlocking value.

## ( Unlocking Value for Ag )



**Digital technologies** are transforming agriculture

Adoption of digital technology on-farm will add **\$20 billion** to annual farm revenues

Automation and robotics **increases efficiency**



**Traceability + Blockchain** streamline the agri food supply chain and could **reduce food loss by 30 million tons** annually



**Connected Agri tech** lets farmers see the **whole farm in one snapshot**



**1 in 3** new jobs in agriculture will be **technology related**



Digital Agriculture needs **fence to fence connectivity**





# Who are Connected Farms?

We specialise in technology designed and customised for 'place based' geographic coverage and farm management applications across Australia.



# Our services include:



Connected Farm Hub.



Connected Farm Precinct.



Agriverse solutions.



# Towards industry 4.0 in an agriculture context.

Connectivity – Connected Farms offer a variety of private 4 and 5G LTE solutions.

Enable automation for IoT devices, AgRobots, equipment and applications.

Range of use cases for digitalisation now but many challenges.

Precision Ag – connected sensors, autonomous equipment, remote monitoring, digitalisation of measurement tools.





There is significant unmet demand for connectivity across farmlands.



Crop Yield Analytics



H: 5 M  
V: 2 M/S  
D: 15 M



