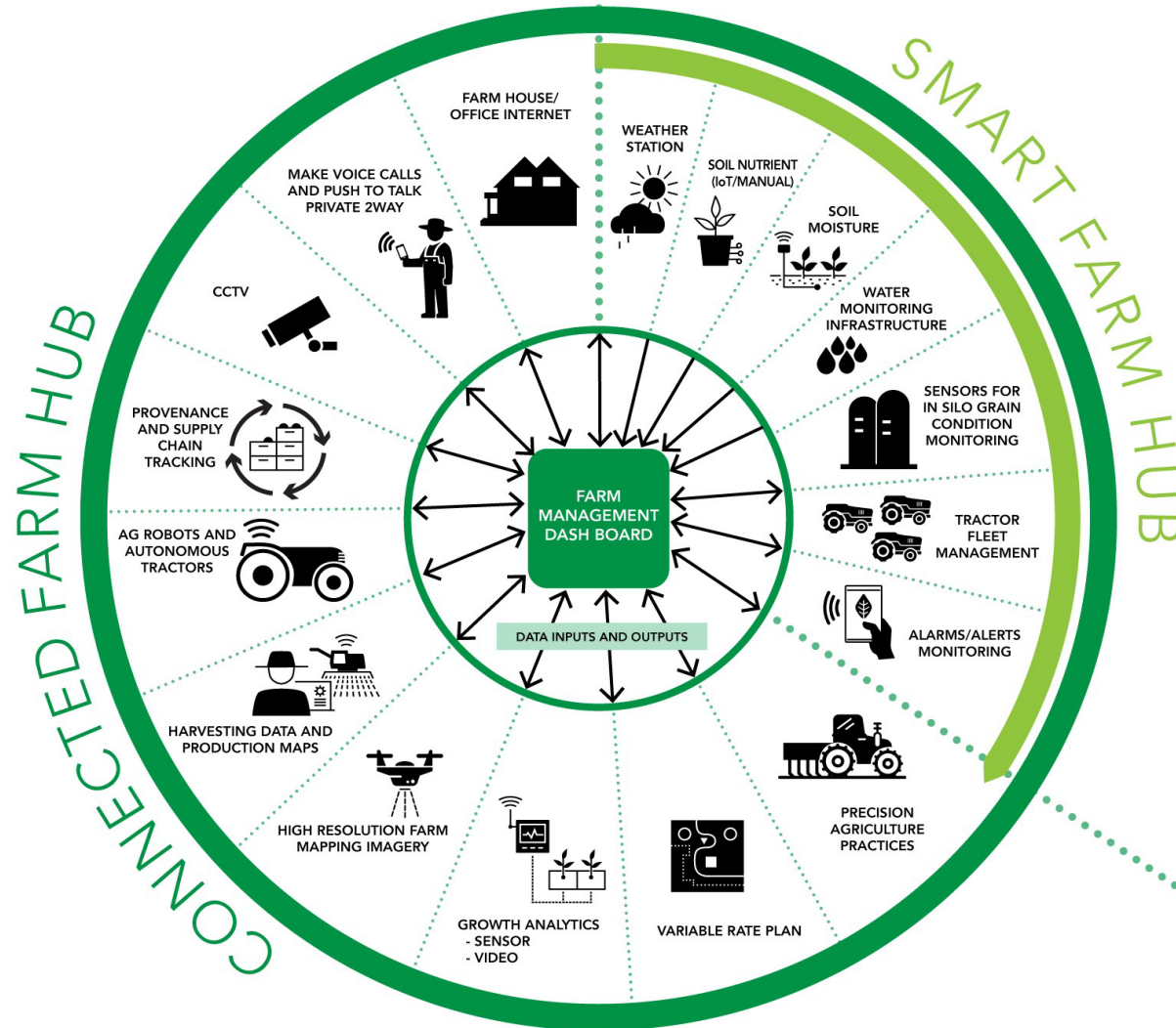


CONNECTED FARM PATHWAYS

WIDE AREA MOBILE BROADBAND
4G/5G

NARROW BAND
LORA/NB-IoT



Key applications for 5G technologies in Agriculture.

A man with a beard, wearing a white t-shirt and a VR headset, is standing in a greenhouse. He is holding a bunch of green and red tomatoes. The background shows the structure of the greenhouse and more tomato plants.

5G technologies and the Agriverse – what's coming?

Agriculture 4.0: The Agriverse.

(Agriculture 4.0 : The Agriverse)

WHAT DOES
5G
LOOK LIKE IN
AG

Automated machines & robotics



AI and machine learning



Remote Controls of tool and machines



Blockchain for Data & provenance trail security



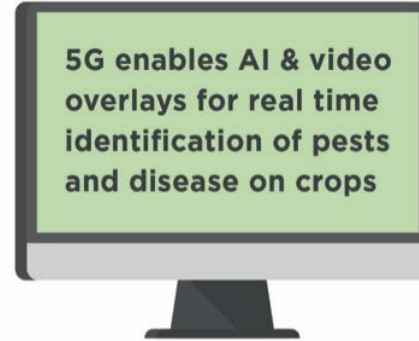
Greenhouse & vertical farm automation



Remote collaboration



5G enables AI & video overlays for real time identification of pests and disease on crops



Advanced real time data analytics on-farm



10X

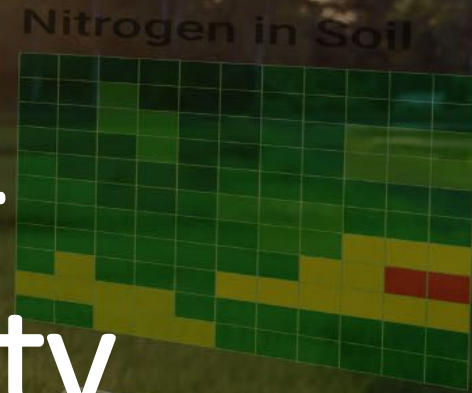
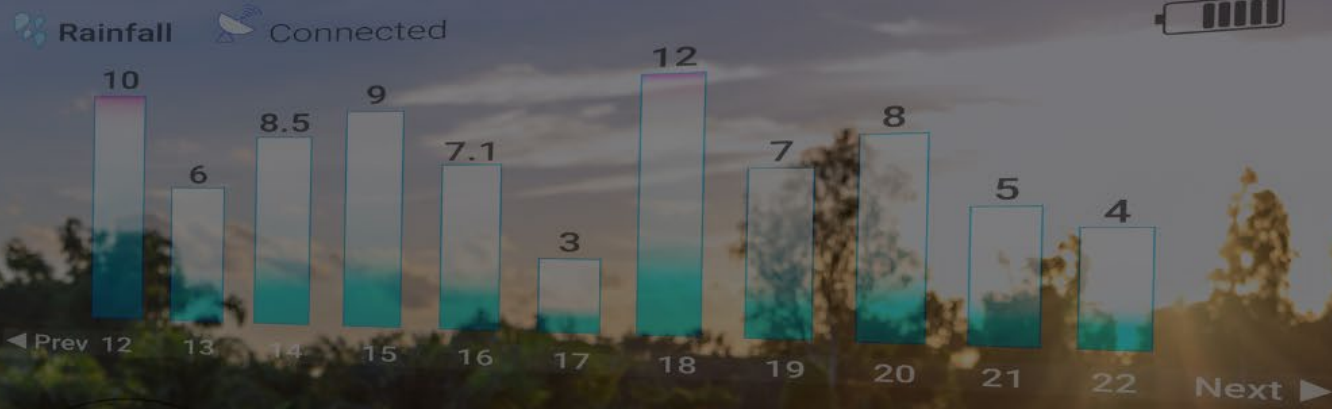
5G will connect 10 times the number of devices on farm

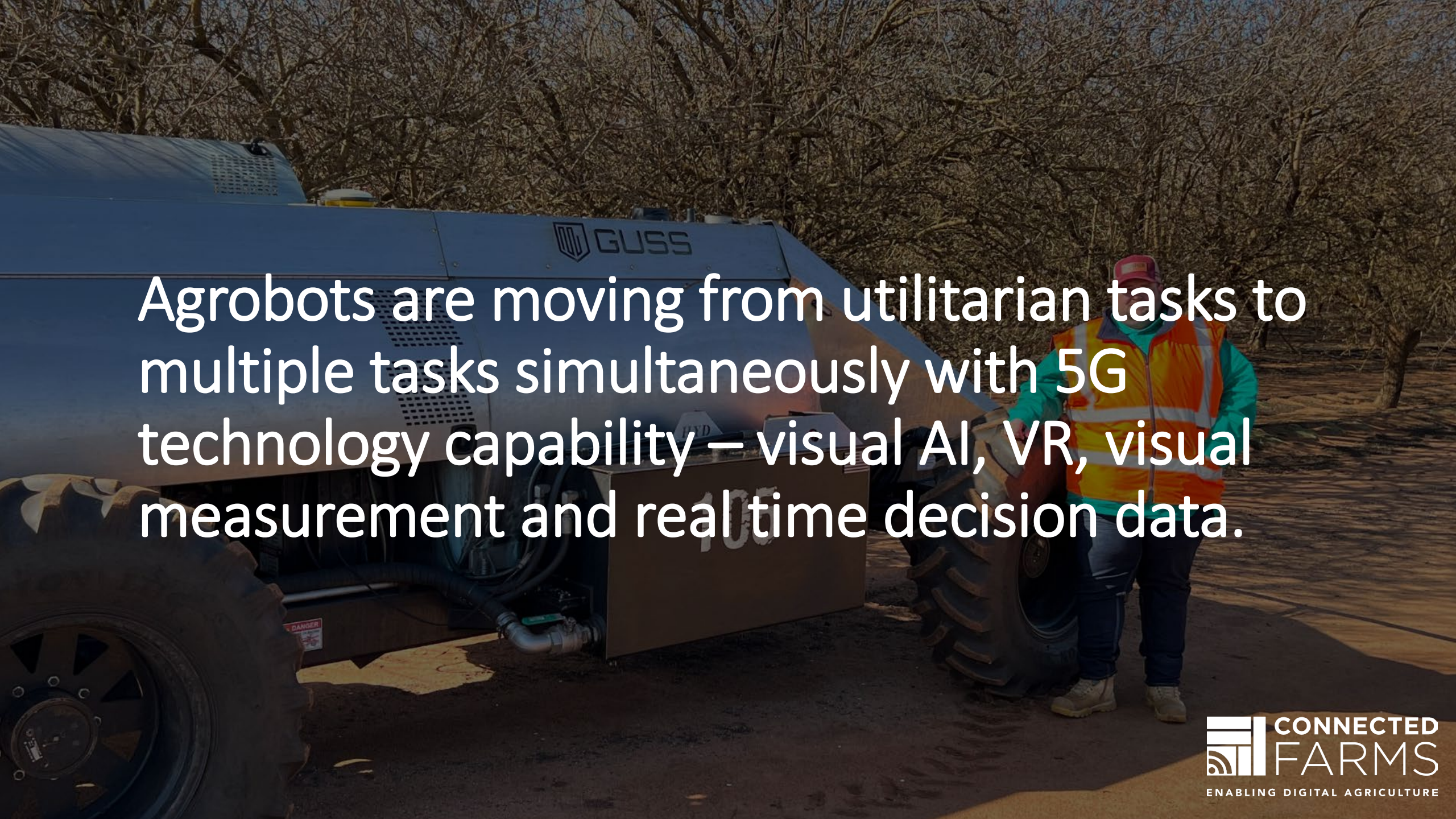


5G enabling digital agriculture



Agriculture 4.0 is about high-speed low latency connectivity.



A blue GUSS agricultural robot is parked in an orchard. The robot has 'GUSS' and '100' printed on its side. A worker wearing a red cap, a high-visibility orange and yellow vest over a teal shirt, and blue pants stands next to the robot. The background shows rows of trees in an orchard.

Agrobots are moving from utilitarian tasks to multiple tasks simultaneously with 5G technology capability – visual AI, VR, visual measurement and real time decision data.

What Connected Farms is doing with the Agriverse:

Partnering with V-Sight for remote collaboration, digital workflow on an AR platform.

Piloting various Agriverse technologies, applications and workflows on Ag Centres of Excellence and smart farms across QLD, NSW, Vic, and commencing a Vet AI telemedicine trial in NZ

Edge computing – establishing data centres to remotely collect, use analyse and exchange data in real time.

Thank you.
For more information visit:
www.connectedfarms.com.au/

