



TPG Telecom develops innovative 5G solutions to help Australian farmers

5G enabled smart-farming technology will be trialed to help farmers count livestock

23 August 2021 – TPG Telecom has announced the trial of a smart-farming project that will use 5G technologies to deliver benefits and efficiencies to the agricultural sector.

The project, which received grant funding from the [Australian Government's 5G Innovation Initiative](#) will use TPG Telecom's 5G network to enable multiple high quality 4K video streams to count sheep at a livestock exchange, automating the process and removing human error. A supporting 5G edge network will process the counting on site and relay the data in real time back to farmers on a tablet or mobile device.

TPG Telecom has partnered with Nokia, UTS and AWS to conduct the 12 month trial at the Bendigo Regional Livestock Exchange in Victoria.

TPG Telecom General Manager Wireless and Transmission Networks, Yago Lopez, said the 5G links will provide greater capacity and reliability for data processing which has the potential to save many hours of manual labour per year.

"We're proud that our 5G technology will help solve real problems for Australian industry and at the same time support smart-farming," Mr Lopez said.

"The 5G wireless and edge computing technologies involved in this project will be used to count sheep by providing extremely fast downlink and uplink rates and increased capacity, which is needed to support multiple high quality video feeds.

"These video streams of sheep counts will be uploaded on site and relayed through our 5G network, which will process the counting on site and feed the data in real time back to farmers on a tablet or mobile device.

"We look forward to seeing what benefits from this trial can be rolled out across the livestock industry nationally and are looking at other innovation opportunities to ensure 5G supports key industries."

TPG Telecom recently opened an Innovation Lab in Sydney to drive product and technology innovation, including network virtualisation and emerging 5G applications for industry.

TPG Telecom has also fast-tracked its 5G rollout, with 100 new 5G sites now being added every month. With the completion of Australia's most advanced 5G standalone core later this year, it is firmly on track to cover 85 per cent of the population in ten of the largest cities and regions by the end of the year.

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About TPG Telecom: TPG Telecom is an Australian telecommunications company which is home to some of Australia's most-loved telecommunications brands including Vodafone, TPG, iiNet, AAPT, Internode, Lebara and felix. TPG Telecom owns and operates mobile and fixed networks that are connecting Australia for the better.

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