CATTLE EYE

Cow 1735

KINGSTON MAUR

Cow 1735

...out 21 hours ago

09-01-2021 16:16:42   29

5G RuralDorset

Future of Food
Superfast Farms

Drones, robots and cameras are all set to to be the farm equipment of the future. However, at present, these technologies have not properly made inroads into farms across the country. The industry is still dominated by large industry players and inefficient machinery.

Super-quick 5G could help deliver automation to the farm. Ensuring sufficient connectivity across the farm would not only mean getting data back to farmers instantly but could also support time-critical activities. This could include robots and drones which wouldn't need pilots, as well as cameras which could be deployed anywhere on the farm easily.

Within the 5G trials, Wessex Internet is working with some of the next-generation industry players in this area. Firstly, with the Small Robot Company, the project is developing one of the world's first 5G agri-robots. The team is exploring how very large amounts of data can be transported across the farm and back to the robots for a variety of actions.

Wessex Internet is also working with Hummingbird Technologies,one of the UK's leading agri-drone specialists. The team is looking to reduce the time it takes for the drone to get field images back to the farmer. This could ensure that the data can be used straight away by the farmer in the most effective way.

And finally, at Kingston Maurward College, Wessex Internet has partnered with CattleEye to see how cameras might be used on farms for the benefit of cattle welfare. The CattleEye software uses the camera images to decide if cattle are lame or unhealthy. 5G helps this data get back to the farmer straight away so they can ensure cattle are treated quickly.