



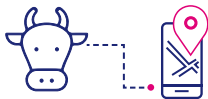
The network behind the world's top networks

BICS IOT SOLUTIONS: AGRICULTURE

Customer

It has been estimated that food production must increase 70% by 2050¹, putting huge pressure on the agriculture industry to meet demand. Achieving this in line with managing the environmental difficulties that have developed as a result of climate change, is challenging. By using sensors with embedded international SIMs, farmers and agriculture firms can more precisely monitor crops and livestock to meet the needs of a growing population. The need for agritech solutions will see the market grow to a predicted £11.1bn by 2030², presenting a huge opportunity for technology providers.

Applications



Livestock welfare and location monitoring



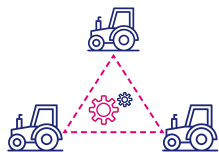
Precision farming through environmental sensors



Live, actionable data



Increased efficiency and minimized waste



More effective site management

Requirements



Scalable, pay-as-you-grow model



Real-time management, control and monitoring



Reliable global and rural connectivity



Easy to deploy and maintain



Low power consumption

Solutions



BICS SIM for Things offers flexible, reliable, easy to use international connectivity for a range of agritech solutions from livestock monitoring to precision farming.

Easy to integrate

The agriculture industry typically has limited pre-existing technology and telecoms infrastructure in place. BICS SIM for Things is a turnkey IoT connectivity solution ideal for those in agriculture, offering a one stop shop with an easy-to-use portal and more than 210 APIs to make deployment and management simple and cost effective.

Reliable, seamless global connectivity

The agriculture sector needs a solution that provides reliable connectivity worldwide, including rural locations with limited mobile coverage. The BICS SIM for Things solution comes with built-in connectivity across 700 networks in 200 countries around the world as standard, ensuring the constant monitoring necessary to support efficient farming.

Secure, low-power connectivity

Devices used in connected agriculture, including livestock management, need to be able to operate for years on end with no intervention. BICS SIM for Things supports NB-IoT and LTE-M connectivity, ensuring minimal power consumption. They are also easy to provision, deprovision, manage and troubleshoot autonomously. With built-in security at the SIM level, it is a highly secure connectivity platform.

Results

BICS SIM for Things allows farmers to take advantage of advanced monitoring solutions that not only provide a clear overview of their estate, but allow this data to be actioned to improve efficiency. By using sensors embedded with reliable, continuous connectivity, it becomes possible to address the strain that a rising population places on the agriculture industry and the global climate.

¹Enabling The Smart Agriculture Revolution - The Future of Farming through the IoT Perspective, Beecham Research 2016

²Agricultural Technology – Market Review, Satellite Applications Catapult 2017