



A global IoT solution  
for monitoring livestock



**Transforming agriculture with  
global roaming connectivity**

Powered by BICS **SIM for Things**<sup>®</sup>



# BICS enables location and welfare monitoring of livestock for Digitanimal's connected collars



## Challenge

Farming is in overdrive. Food production requirements are increasing at a substantial rate, putting huge pressure on an industry that has traditionally operated using manual processes.

As global demand increases, farmers will be taking on more than ever before and, without change, will struggle to keep pace. Often managing large estates with thousands of animals at a time, they need a reliable stream of data insights to make this easier, drive efficiencies and lower their carbon footprints.

Not being able to remotely track the welfare and location of animals represents the biggest hurdle in this regard, and number one priority to address.



## Solution

### Bringing data-driven precision to the agriculture industry

Introducing collar-worn animal location and welfare monitoring devices from Digitanimal, underpinned by BICS' global roaming connectivity.

Using sensors in Digitanimal's IoT-enabled animal collar, farmers and conservationists can track the location and monitor the welfare of animals in real time – wherever they are. BICS' SIM for Things solution is embedded in the collar at the communications layer, transmitting a steady stream of data to the cloud where it can be accessed on any device for live, up-to-date insights.



### Low power, long-term operation:

With support for NB-IoT and LTE-M connectivity, connected collars can operate for years on end with no intervention thanks to minimal power consumption.

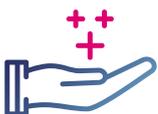
### Simple and secure:

Easy to provision, deprovision, manage, and troubleshoot autonomously via APIs, offering simplified integration with existing systems, together with built-in security at the SIM level to create a highly secure connectivity platform.



### Reliable, seamless global connectivity:

Reliable connectivity across 700 networks in more than 200 countries via the BICS SIM for Things cellular connectivity solution for IoT, supporting any application in any type of indoor or outdoor operating environment.



## Benefits



### Enhance animal welfare

Reduce animal losses with automatic notifications when an animal leaves their enclosure, including support for suspected theft or predator attacks.



### 360-degree coverage

Works anywhere and in any environment, even when animals are being transported, improving traceability.



### Minimize carbon footprints

Spend less time traveling to monitor livestock as this can be done remotely, from anywhere and on any device.



### Advanced analytics and insights

Out-of-the-box ready, with the continuous insight collection and reporting needed to empower precise, data-driven decision making.