Afimilk:

Utilizing a unique 3D accelerometer, Afimilk enables efficient monitoring of motion patterns. The Afi2Go Pro mobile app provides convenient access to the system from anywhere, at any time. With its robust mechanical design, Afimilk achieves a remarkable 95% detection sensitivity in various farm conditions. By employing three sensors, Afimilk enhances detection capabilities. The electrical design of Afimilk ensures an extended battery life spanning multiple years. Afimilk boasts a range of 200-800m. Currently, Afimilk's technology manages over 10 million cows in 52 countries worldwide.

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Nedap:

Nedap offers a neck and leg tag system for dairy cows. The system includes features such as heat detection, cow locating, and health monitoring. It provides herd performance trends and delivers real-time information on all devices for multiple users, including PCs, tablets, and smartphones. The data is transferred wirelessly in real-time with a sensitivity of 95% and specificity of 95%. The tags have an expected service life of 8-10 years. They also support long-range data transfer and are constructed using robust materials engineered to withstand the farm environment.

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Smartbow

INDUSTRY-LEADING RUMINATION MONITORING: provides the most accurate rumination monitoring in the industry, 97% to 99% accuracy delivers two types of rumination alerts — an urgent decline in rumination and a long-term decline in rumination.

UNPARALLELED HEAT DETECTION: heats can be detected with a reliability of 97% generates alarms on smartphones, tablets and desktop computers

Price: 2.500$ for the installation +69$ per cow (only for heat detection)

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Smaxtec Cowcontrol

SMAXTEC BOLUSES CONTINUOUSLY COLLECT DATA: The rumen bolus measures direct, insightful values with the highest accuracy inside your cows, in the reticulum. The bolus remains inside the cow for a lifetime. It remains in the same position due to its own weight, and is neither regurgitated nor digested.

HEAT DETECTION allowing higher inseminaiton success

24/7 MONITORING

EARLY DETECTION

optimized for PC and phone (IOS,ANDROID)

RECOMMENDED ACTIONS using AI

ensuring herd health

calving detection

Price: 89$ +2.49$ per cow per month(data interpretation)

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The MooMonitor+ is a state-of-the-art system that utilizes cloud computing, wearable sensors, and big data to enhance health and reproductive monitoring for cows. It enables easy detection of heats by monitoring the entire herd through the phone application, MooMonitor+. Real-time notifications provide updates on the cows' activity and health. The pricing for the system includes €140 per collar, €4,500 for the base station, and an additional charge of €5 per cow per year for the cloud monitoring system.

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Moonyst Catle Monitoring

Plug & Play installation, optimized for phone, tablet and PC

Real-time access via cloud computing with 24/7 rumen monitoring

Boluses are maintenance-free, orally administered sensors with unique IDs and 6+ years battery life

Captures animal activity, rumen temperature, and movement

Mooncloud software application provides dedicated location for livestock information accessible via phone, tablet or PC

Supports calving, facilitates insemination, and prevents diseases

Improves success rates with insemination and provides real-time alerts of calving events (days/hours in advance)

Enables timely and targeted medication treatments with advanced warning of health concerns

Precise monitoring of drinking behavior for feeds into animal health monitoring

Artificial intelligence used for individual animal heats identification and prediction

Enhances expert herdsmanship with technology

Tailored status periods within Mooncloud for each cow's specific status.

size: 100 mm × 32 mm // weight: cca. 200g

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e-Stado:

Sensors:

-Ear biosensors

-Environment sensor

-Tail biosensor

-Radio transmitters in the cowshed and pasture

-Cowshed monitor

Features:

Health:

-Measurement of inactivity to identify potential threats

-Measurement of ear temperature to detect health issues

Reproduction:

-Detection of heat for optimal timing of insemination

-Estimation of the optimal insemination window

Calving:

-Estimation of the incoming calving time

-Postpartum retention monitoring

Feeding:

-Monitoring of rumination time

-Monitoring of feed intake time

Photoperiod:

-Measurement of individual photoperiod cycles

Heat stress:

-Detection of individual heat stress

-Measurement of barn humidity

-Measurement of barn temperature

-Calculation of barn THI (Temperature-Humidity Index) Lameness:

-Early detection of lameness stages.

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CowManager

Real-time monitoring of cow behavior and health using wireless router located in the farm

Wireless ear tags with long-lasting batteries

Cloud-based software with a user-friendly interface

Customizable alerts

Integration with other farm management systems

Sustainability-focused approach.

Real time Monitoring

Detects fertility, illness, activity, eating behaviour

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Ayushman Cowfit

Uses IoT technology to monitor cattle health

Early detection of health issues

Collar with sensors on the cow's neck

Cloud-based analysis with real-time insights and alerts

User-friendly mobile app and web portal

Actionable recommendations for improving cattle health

Cost-effective and scalable

Reduces need for frequent check-ups and saves time and money.

Price: €90 per collar

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