

Cow Monitoring Solutions

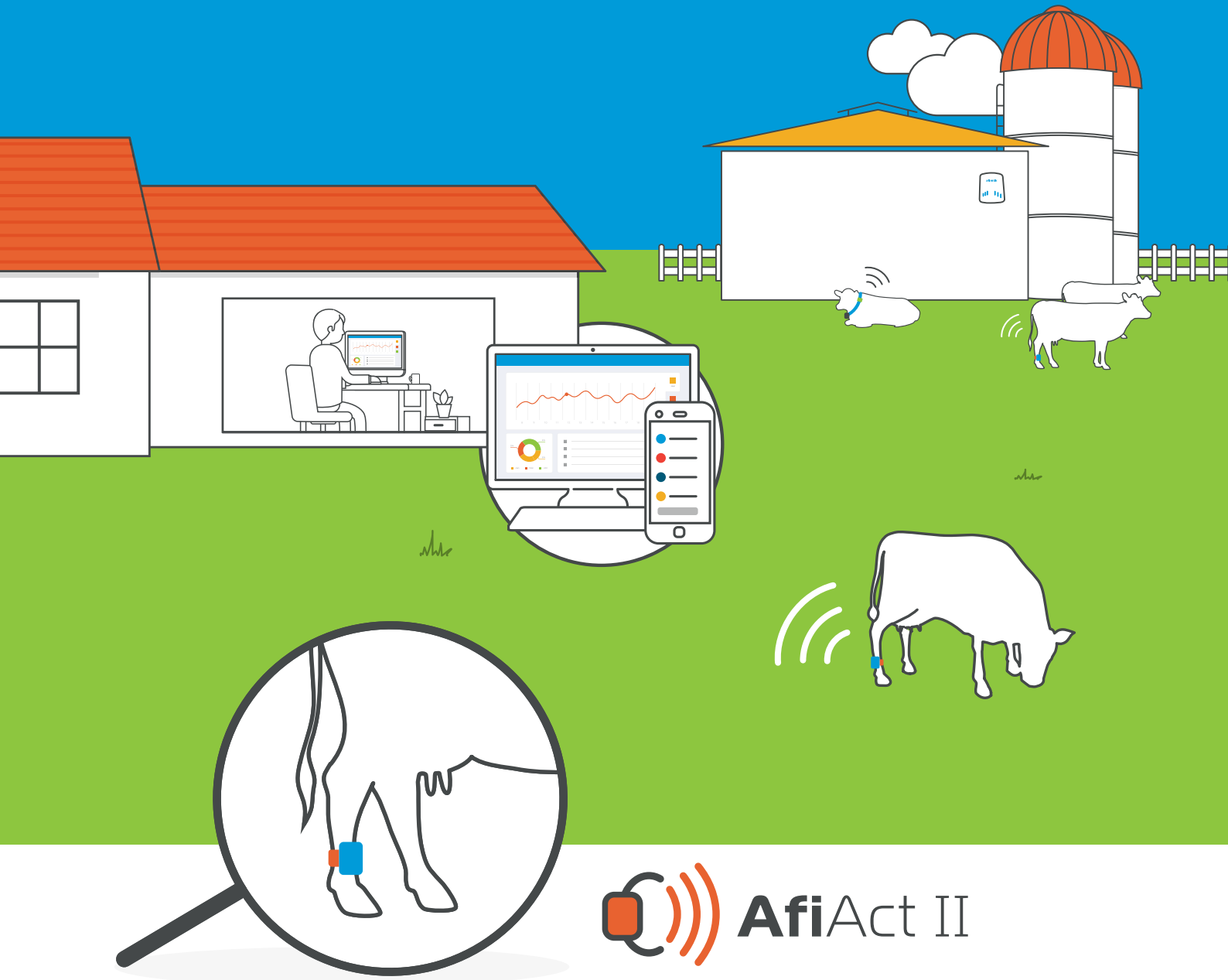
2020



 **afimilk®**

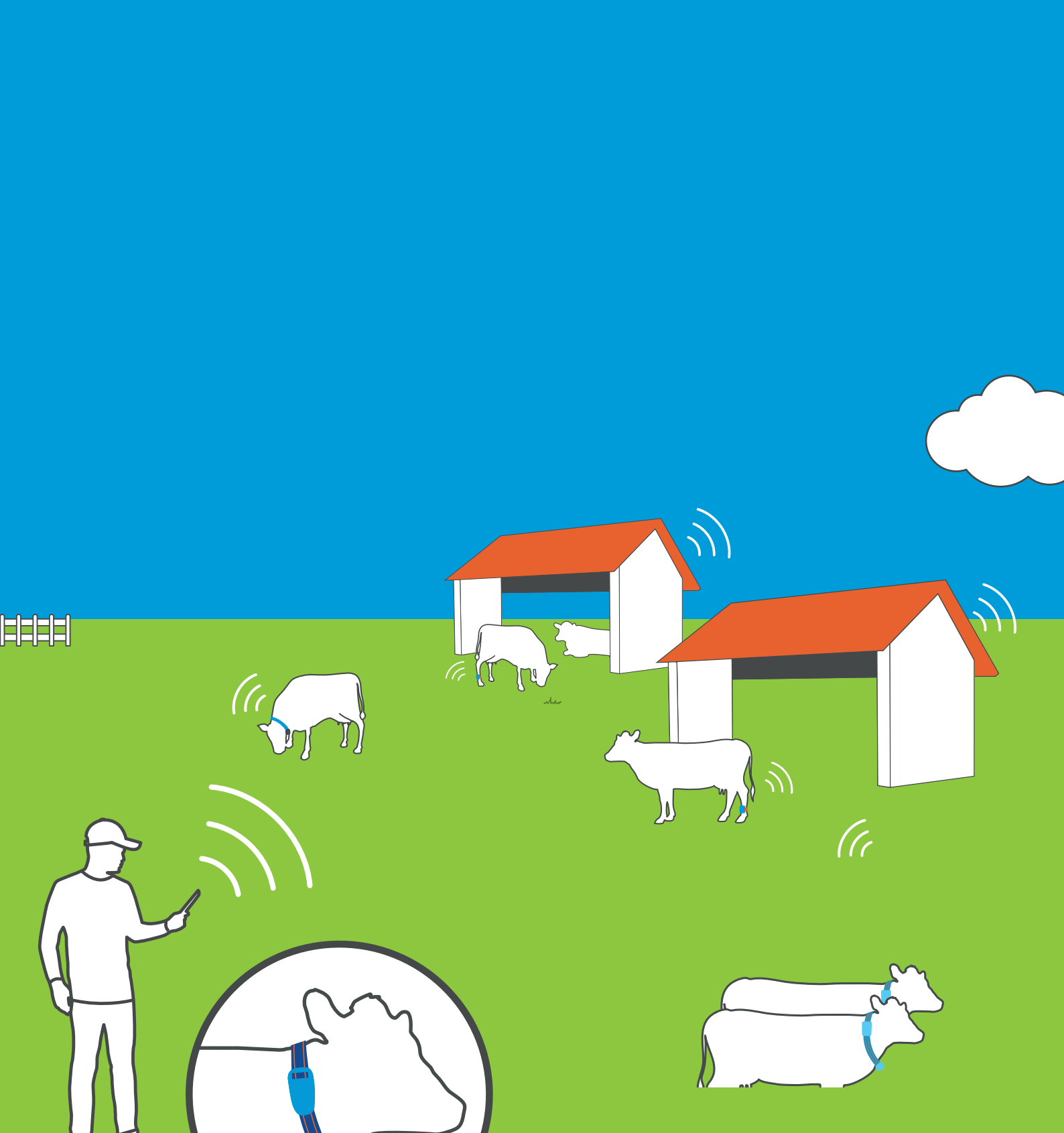
Vital Knowhow in Every Step

Afimilk's cow monitoring solutions help you save time, improve herd health and boost revenue.



 **AfiAct II**

The world's leading leg tag



AfiCollar

Next generation neck collar



The world's leading
Leg Tag
for cow monitoring

integrated with
AfiFarm
comprehensive farm
management software



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- ✓ Heat detection, calving alert, wellbeing
 - ✓ Mobile applications
 - ✓ 24/7 wireless communication
 - ✓ Complete farm management



Today's Most Advanced Cow Leg Sensor

Top Heat Detection, Animal ID and Premium Features in a Single Product



Powerful features, small package

✓ Accurate heat detection, 24/7

Improve pregnancy rates with accurate and time-sensitive heat detection that enables you to identify **which** cows should be inseminated and **when**.

✓ Animal ID

Performed easily with Afimilk's proprietary antenna technology.

✓ Durable battery

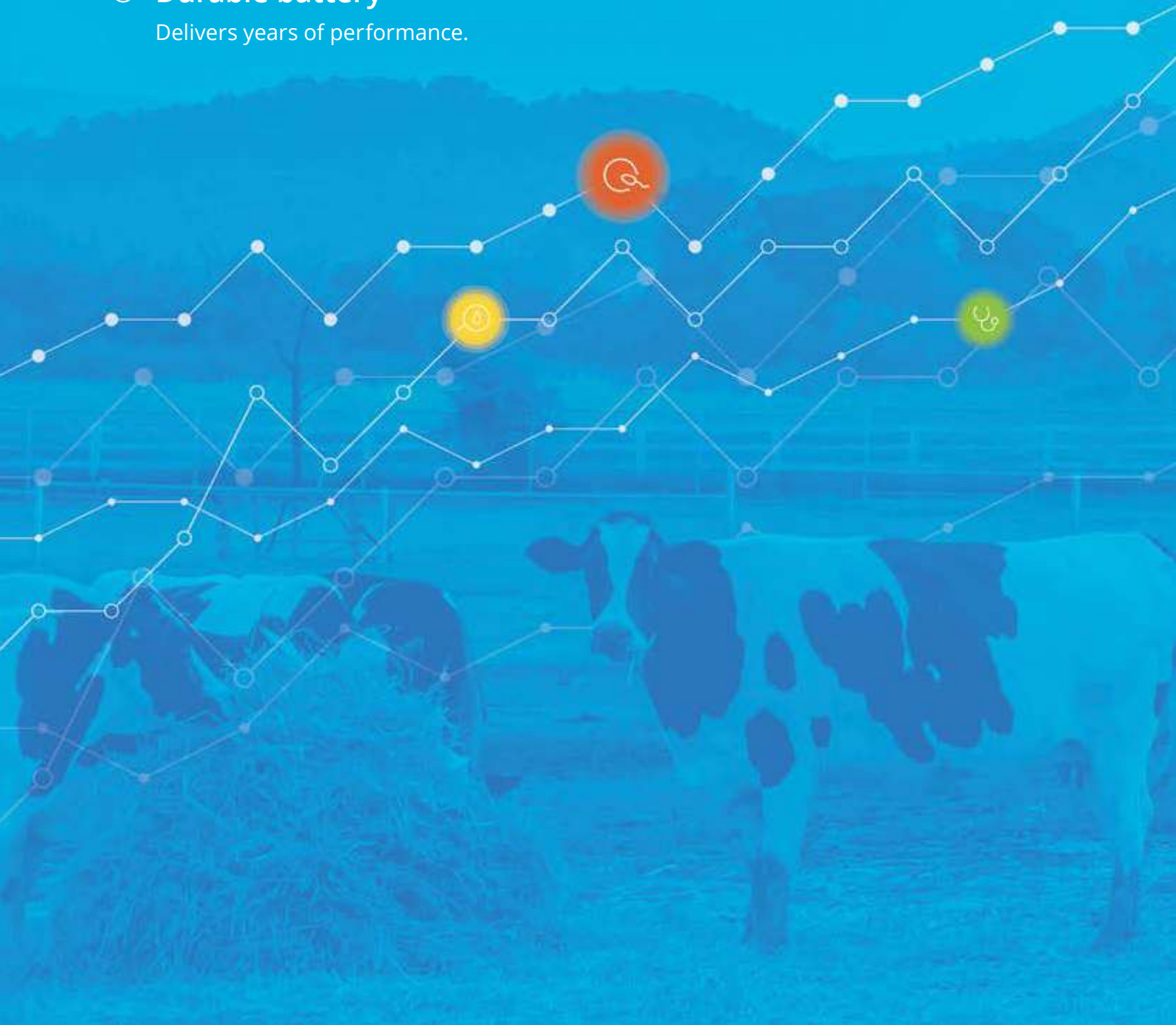
Delivers years of performance.

✓ Insightful alerts

Calving alert service allows for intervention when needed. Alerts on rest time and health problems help keep your herd healthy and productive.

✓ Mechanical design

Durable construction made to reduce collection of manure and withstand the harshest farm conditions.



Smart Fertility Management Software

The AfiAct II solution uses the most advanced algorithms and accurate heat detection sensors to help you improve pregnancy rates:

Sensitive

Consistent winner in detection benchmark tests.

Reliable

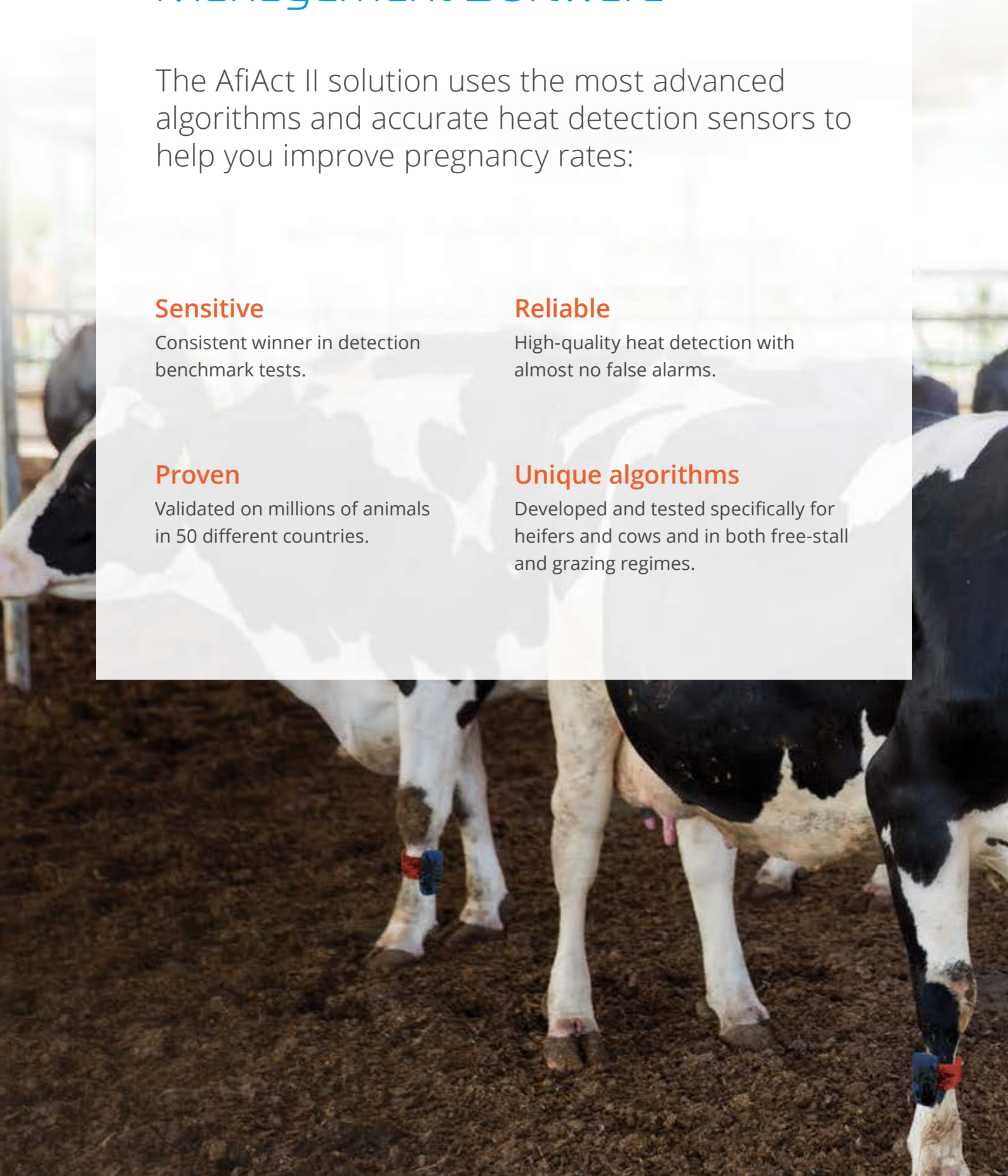
High-quality heat detection with almost no false alarms.

Proven

Validated on millions of animals in 50 different countries.

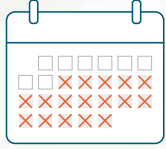
Unique algorithms

Developed and tested specifically for heifers and cows and in both free-stall and grazing regimes.

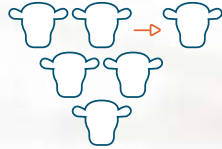


Adaptive to versatile work protocols

Multiple breeding, single breeding, OV-sync and more



Save up to 30
open days
per cow per
lactation



Reduced
involuntary
culling



Labor
savings



Proven
accuracy



The Best Is Now Even Better: AfiAct II Premium Services

Calving alert service



Timely calving detection can make the difference between losing or saving offspring and cows. With the AfiAct II calving alert service, notifications are sent directly to your smartphone.

- ✓ **Time-sensitive alerts**
2-4 hours before calving.
- ✓ **Special prolonged calving alerts**
Crucial for intervention.
- ✓ **Proven results**
Successfully used on hundreds of farms in numerous countries.
- ✓ **Easy operation**
Intuitive interface for your smartphone (iOS or Android).

Rest, health and wellbeing



Better monitoring and improved production

Rested cows produce more milk.

Research shows that:



one lost hour
of resting time
translates to



1.7 kg
less milk in the tank!

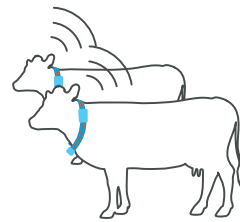
With AfiAct II alerts (as of version 5.2), you can identify and fix problems that cause rest decline (such as bedding conditions).





Enhanced **Neck Collar** for cow monitoring

Integrates with
AfiFarm (standalone
as well as fully
configured solution)



-
- ✓ Heat detection
 - ✓ Accurate rumination monitoring
 - ✓ Individual cow health
 - ✓ Group nutrition monitoring
 - ✓ 24/7 wireless detection



Healthier, Better Performing Cows with AfiCollar





Patented, unique technology

AfiCollar uses a proprietary 3D accelerometer to effectively monitor motion patterns.

- ✓ Robust mechanical design
- ✓ Accurate identification in parlor
- ✓ Proprietary 3D accelerometer to effectively monitor motion patterns
- ✓ Long-range wireless technology
- ✓ NFC tag enables easier use with mobile devices
- ✓ Accessible anytime, anywhere with Afi2Go Pro mobile app



Heat detection that stands out

The AfiCollar provides 95% detection sensitivity in diverse farm conditions, and includes optimized algorithms for cows and heifers, and for various regimes such as closed barns and pasture.

3 sensors, 1 health monitoring package

Rumination is a sensitive, early indicator for health issues. However, multiple factors may cause a drop in rumination, making it highly susceptible to false alarms. The AfiCollar combines rumination, chewing and activity detection for accurate alerts to health issues such as:

- ✓ Mastitis
- ✓ Ketosis
- ✓ Digestion problems
- ✓ Feed quality
- ✓ Fresh cows for production progress
- ✓ General health



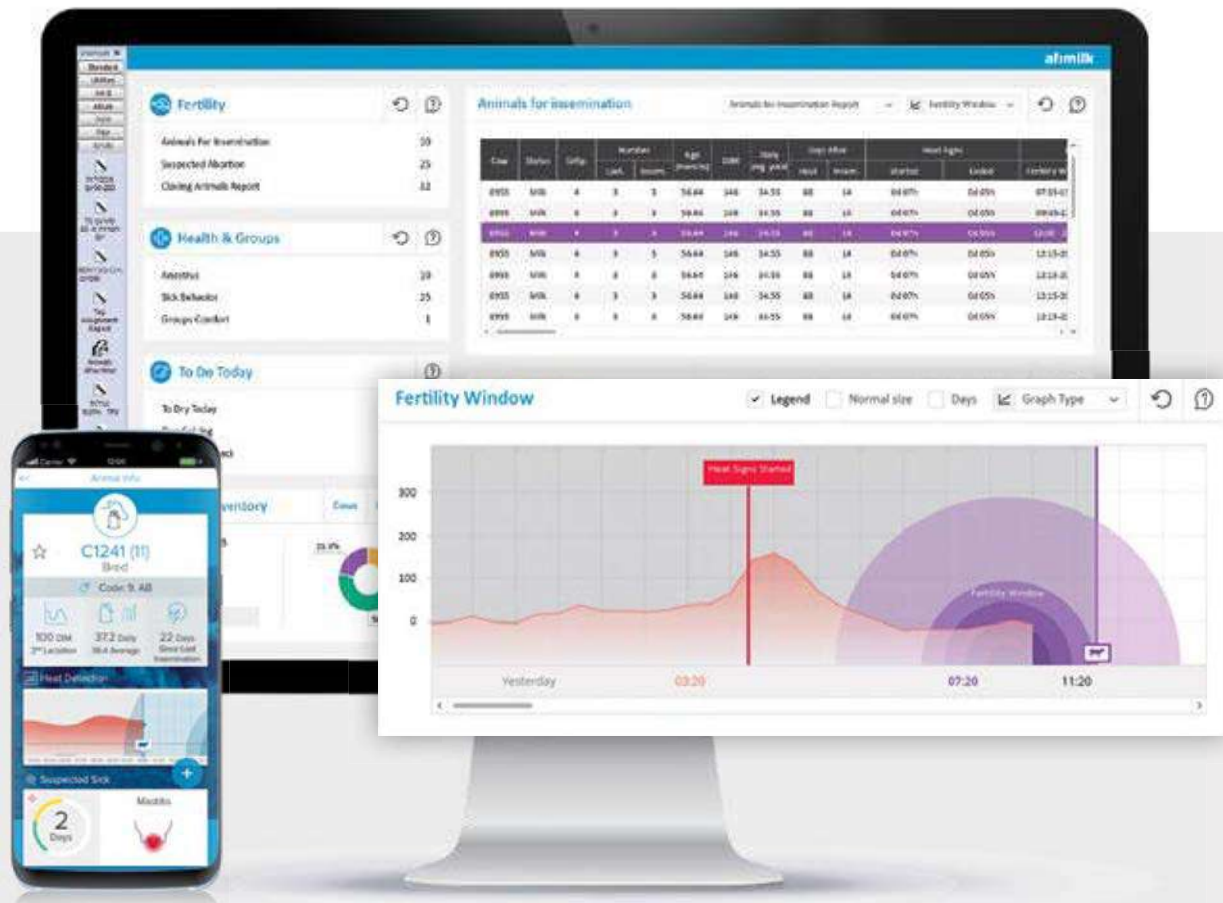
A Match Made in Heaven



AfiActII and AfiCollar integrate perfectly with AfiFarm 5.4 to provide:

- ✓ **Cow ID in the milking parlor and sort gate** - with proprietary active ID technology built into the sensor
- ✓ **Combined multiple sensor algorithms** - analyze the combination of behavioral changes (using AfiAct II) and milk changes (using Inline Milk Lab)
- ✓ **Accurate heat detection and intuitive management tools** - AfiFarm is the premier management tool for making informed decisions and monitoring their execution
- ✓ **Find animals requiring attention and sort them** - with the best and most flexible automated routine and procedures
- ✓ **Single software** - for heat detection, herd management, milk recording and parlor automation

Ideal insemination timing: Find out which cows to inseminate and when



When it's insemination time, you want the most up-to-date heat detection list possible . Not only will AfiFarm help you detect animals in heat and mark them for insemination, it will also indicate ideal insemination timing to:

- ✓ Improve conception rates
- ✓ Eliminate useless inseminations and save money

Key Data at Your Fingertips

Intuitive mobile apps for effective mobile management

Afi2Go Pro:

Everything you need to know, everything you need to do



- ✓ Key information at your fingertips: animal status, events and more
- ✓ Search for animal - type her number or use a Bluetooth RFID wand
- ✓ Assign tags, assign codes, conduct insemination and treatments - all from your mobile device

Farm notifications mobile app:

Stay alert with real-time notifications



Time-sensitive events are pushed to your smartphone and farm-notification inbox.

- ✓ Animals for insemination
- ✓ Calving alerts
- ✓ System alerts

Farm Notifications app

Afi2Go Pro

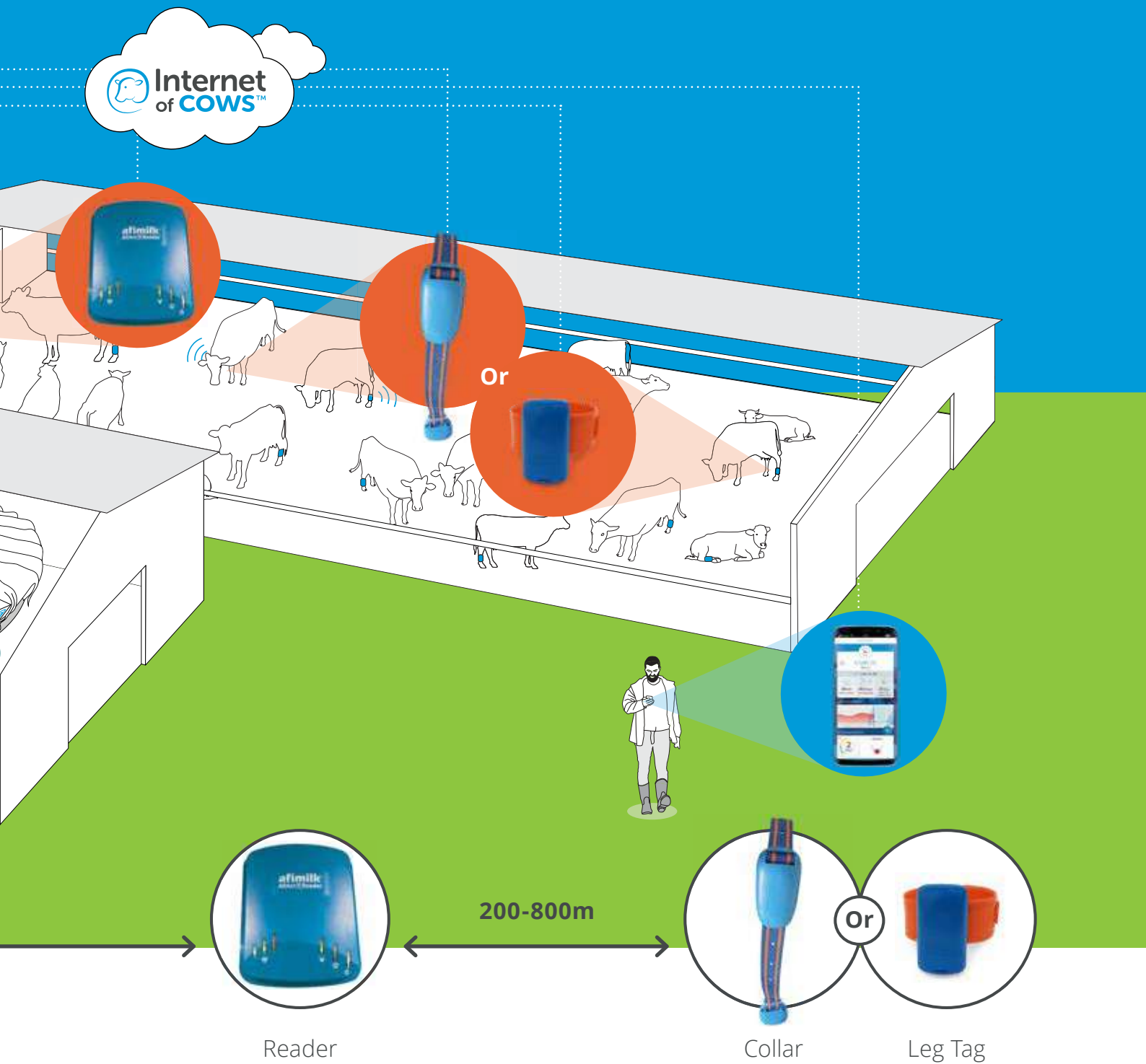




Continuous data to enable informed, profitable decisions.



- ✓ 24/7 tag reading allows maximal management flexibility
- ✓ Electrical design ensures multi-year battery life
- ✓ Wireless communication to monitor milk cows, dry cows and heifers
- ✓ Easy setup via farm Wi-Fi
- ✓ Automatically transfer data on return from pasture
- ✓ Easily assign collars to animals – by reading NFC tag with your mobile device
- ✓ Powerful reader for extended coverage



Please note:

1. Leg tags and neck collars cannot be mixed in the same farm
2. Transmission range may vary according to obstacles in the field.
Neck collars will typically provide 15% longer range.

