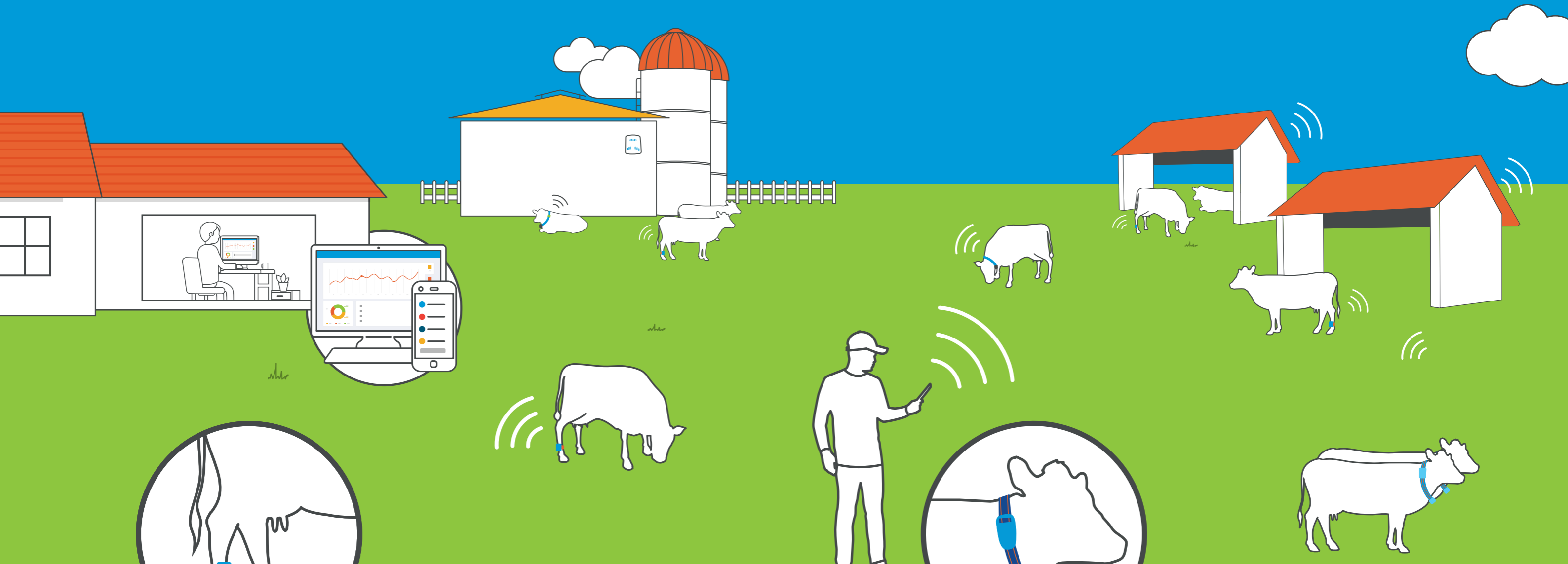# Cow
Monitoring
Solutions

afimilk®

Vital Knowhow in Every Step

Afimilk cow monitoring solutions help you save time, reduce labor, and improve fertility and herd health.

AfiAct II))))
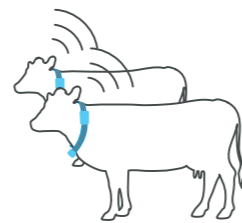The world's leading leg tag

AfiCollar
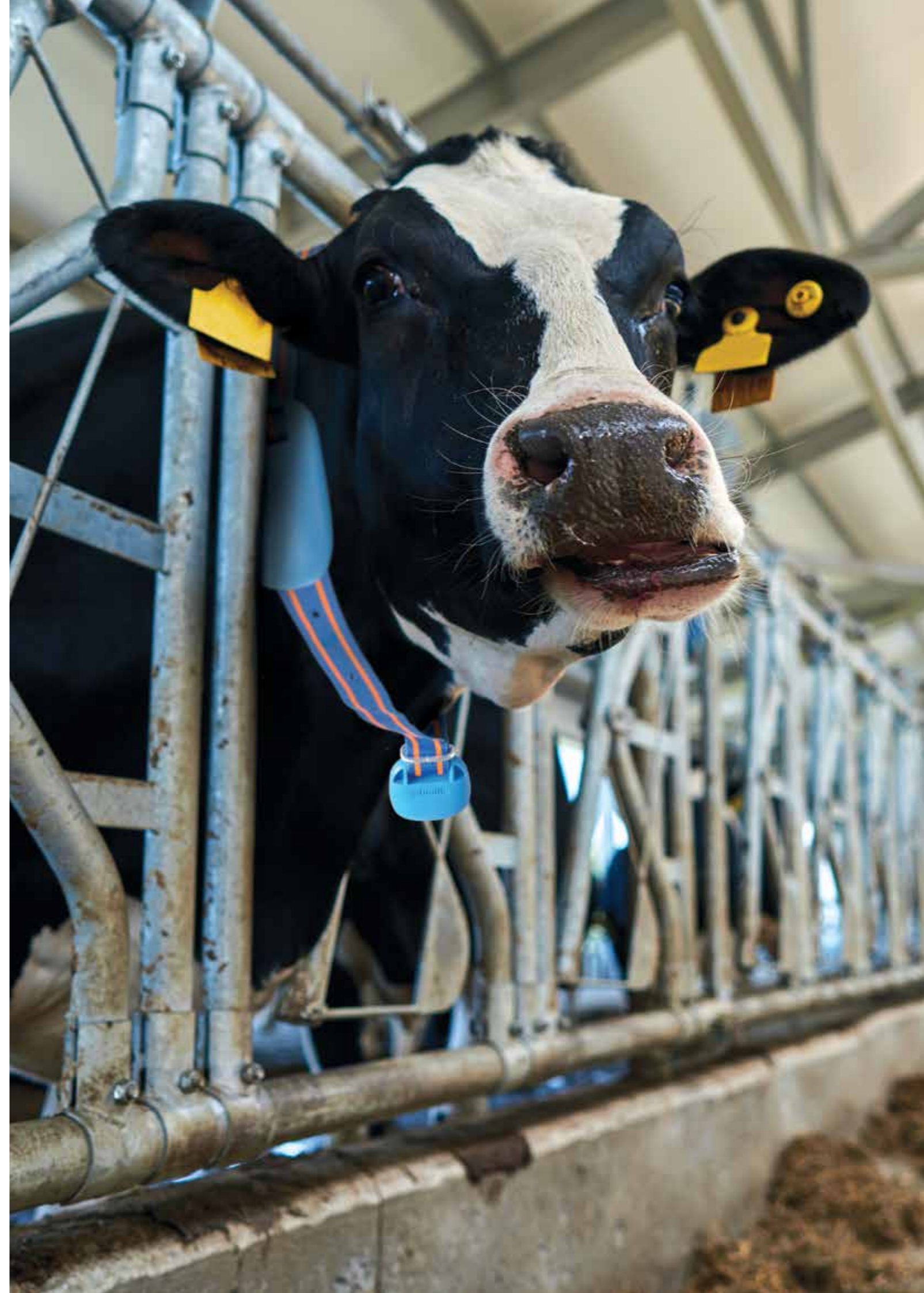The advanced and reliable neck collar

AfiCollar

Enhanced
Neck Collar
for cow monitoring

Integrates with
AfiFarm standalone
or integrated with
parlor automation

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

Healthier, Better Performing Cows with AfiCollar

Rumination

Eating

Milk sensor integration

Heat detection

Mobile management

Health monitoring

Animal ID

Group behavior

24/7 detection

Integrates with AfiFarm herd management software

AfiFarm

Patented, Unique Technology

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

- ☑ Robust mechanical design
- ☑ Accurate identification in parlor
- ☑ Effective motion pattern monitoring
- ☑ Long-range wireless technology
- ☑ Easy use with mobile devices (supporting NFC tags)
- ☑ Accessible Afi2Go Pro mobile app for cow management

Heat detection that stands out

The AfiCollar provides 95% detection sensitivity in diverse farm conditions, it is optimized to work with cows and heifers and with 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 susceptive to false alarms. The AfiCollar combines rumination, chewing and activity detection for accurate alerts to health issues such as:

- ☑ Digestion problems
- ☑ Fresh cows for production progress
- ☑ General health

AfiAct II ◖))

The world's leading
Leg Tag
for cow monitoring

integrated with
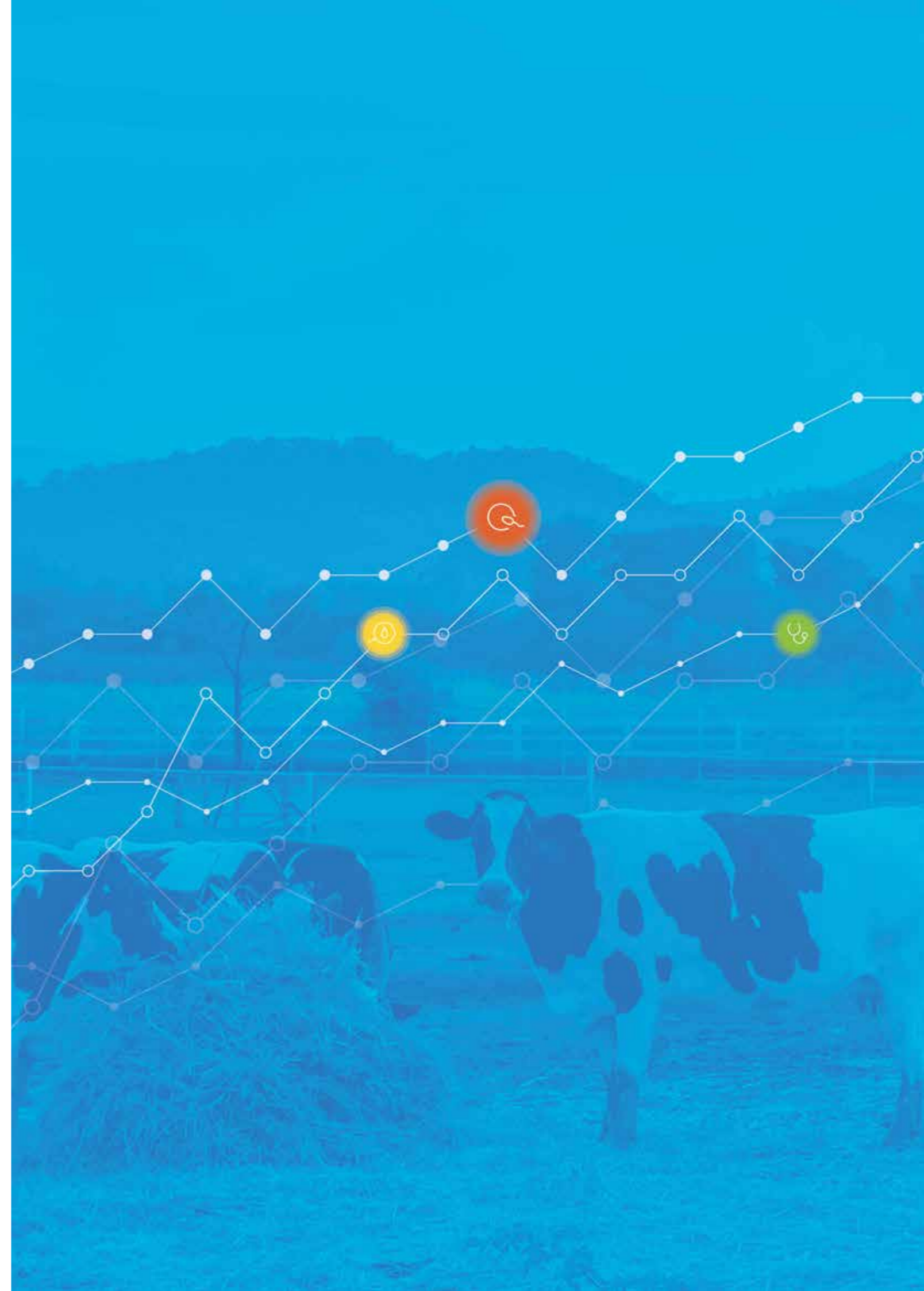**AfiFarm**
comprehensive farm
management software

- ☑ 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

Top heat detection

Mobile apps

Latest mechanical and electronic design

Group welfare

Long battery life

Accurate animal ID

24 / 7 detection

24 / 7

AfiFarm

Powerful management

Calving alert service

Detect sick cows

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
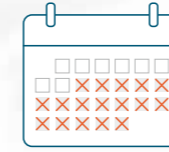High-quality heat detection with almost no false alarms.

Proven
Validated on millions of animals in 50 different countries.
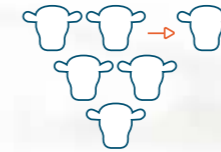
Unique algorithms
Developed and tested specifically for heifers and cows and in both free-stall and grazing regimes.

Adaptive to versatile work protocols
Multiple breeding, single breeding, OV-sync and more
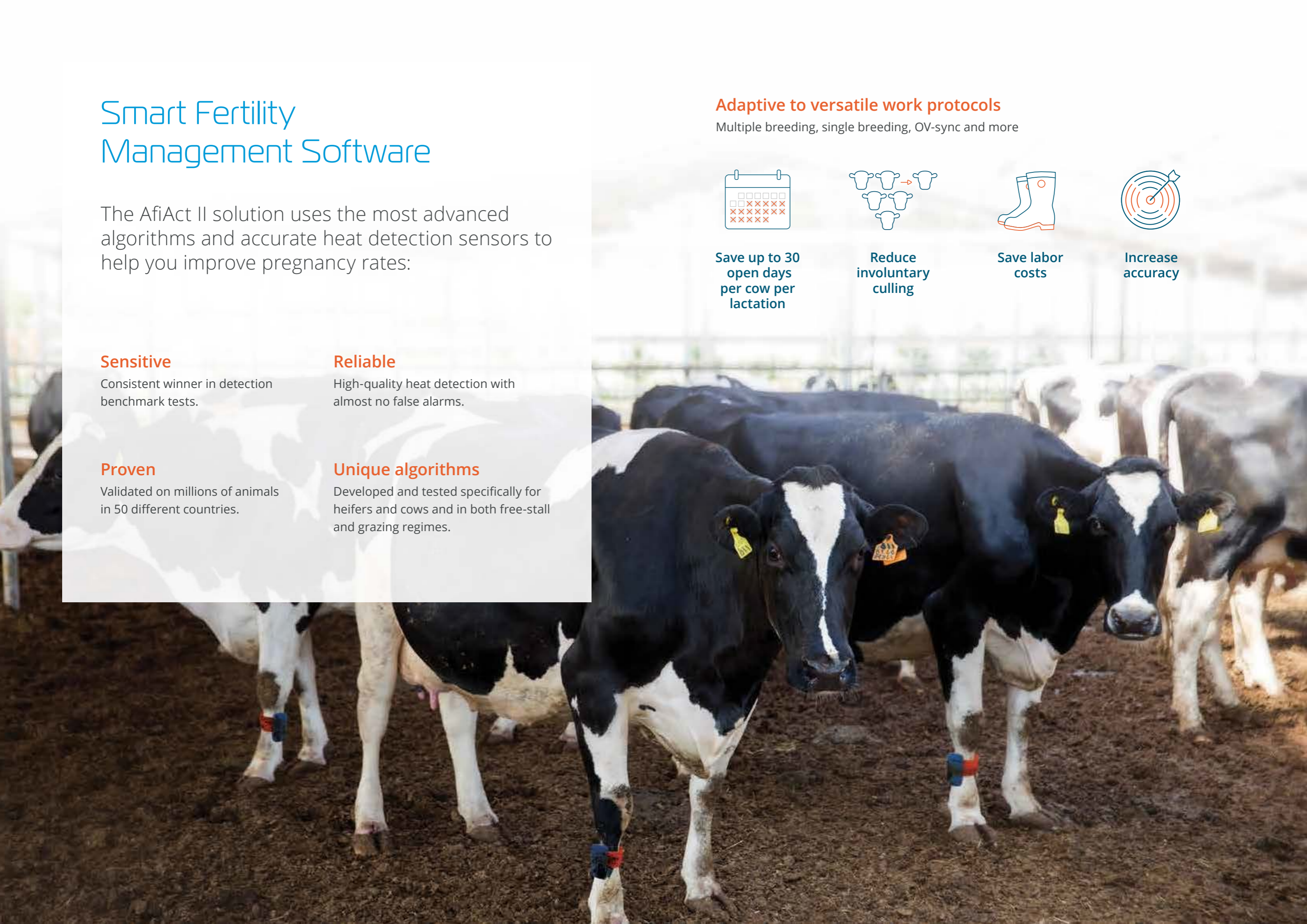
Save up to 30 open days per cow per lactation

Reduce involuntary culling

Save labor costs

Increase 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.

☑ **Time-sensitive alerts**
2-4 hours before calving.

☑ **Prolonged calving alerts**
Crucial for intervention.

☑ **Proven results**
Successfully used on hundreds of farms in numerous countries.

☑ **Easy operation**
Notifications are sent directly to your smartphone (requires Afimilk's notifications app)

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, you can identify and fix problems that cause rest decline (such as bedding conditions).
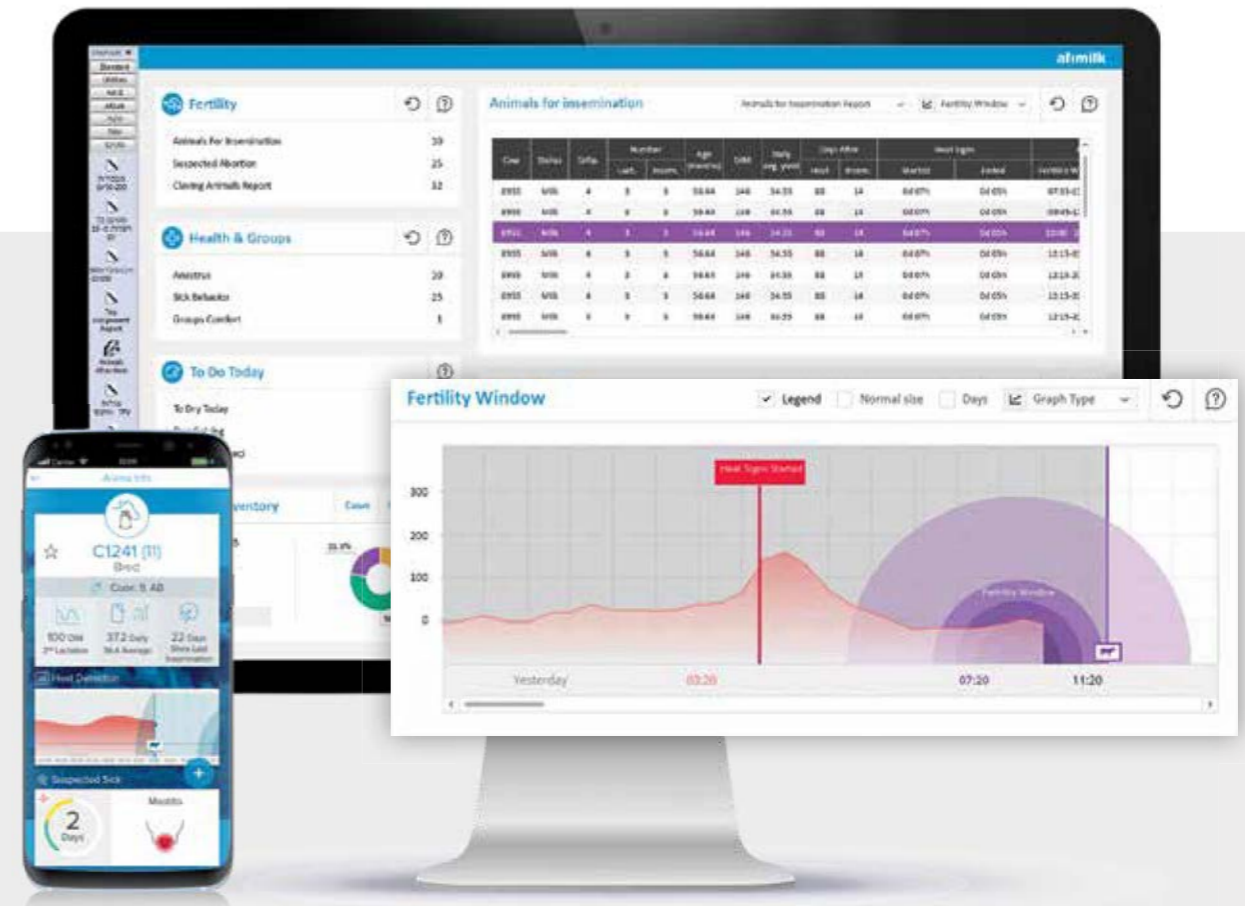
A Match Made in Heaven

AfiAct II and AfiCollar integrate perfectly with AfiFarm 5.4 to provide:

- ☑ **Combined multiple sensor algorithms -** analyze the combination of behavioral changes (using AfiAct II) and milk changes (using MPC milk meter and Afilab)

- ☑ **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
- ☑ Save money - avoid useless inseminations

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, codes, insemination and treatments -
all from your mobile device

Farm notifications mobile app:
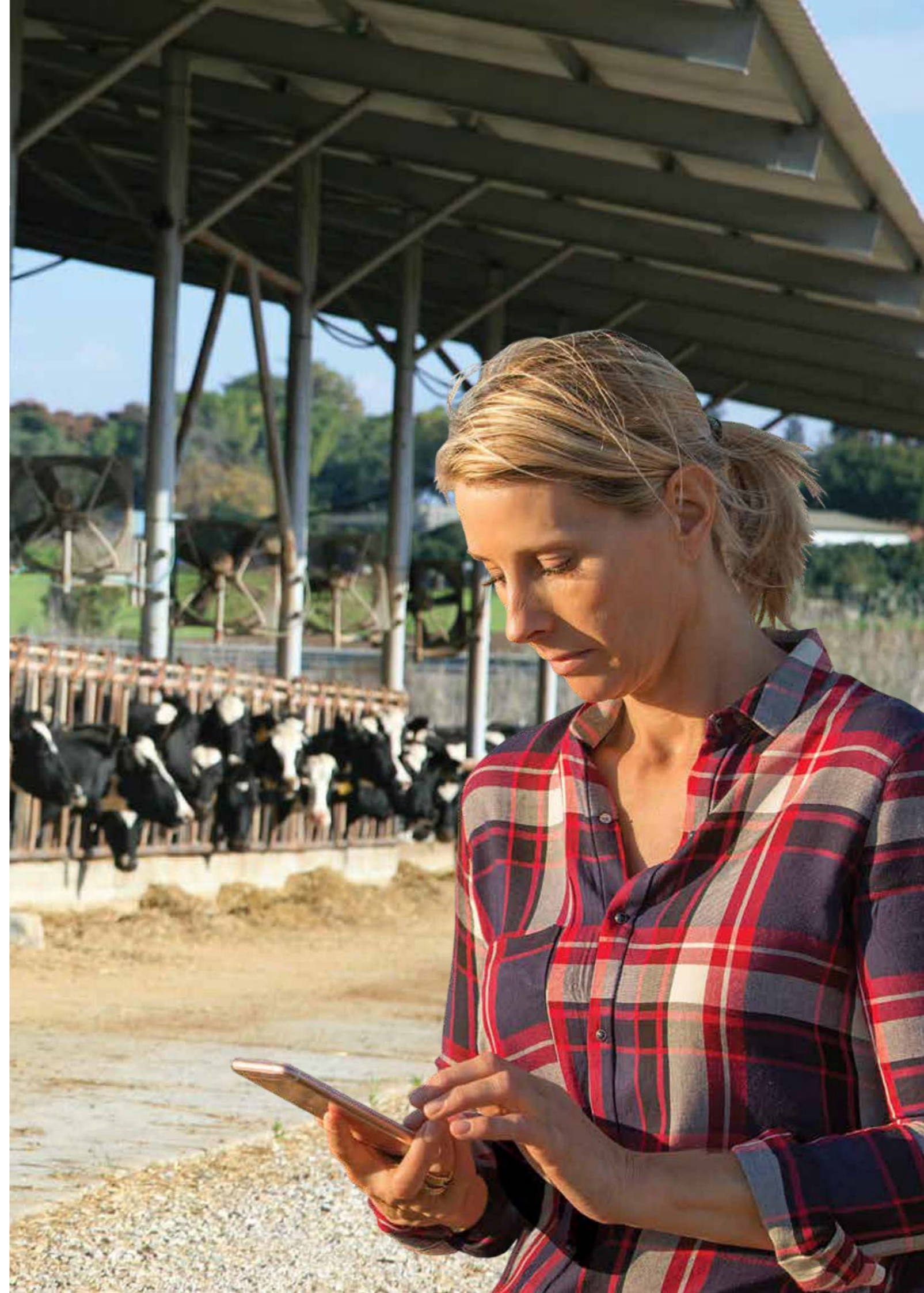### Stay alert with real-time notifications

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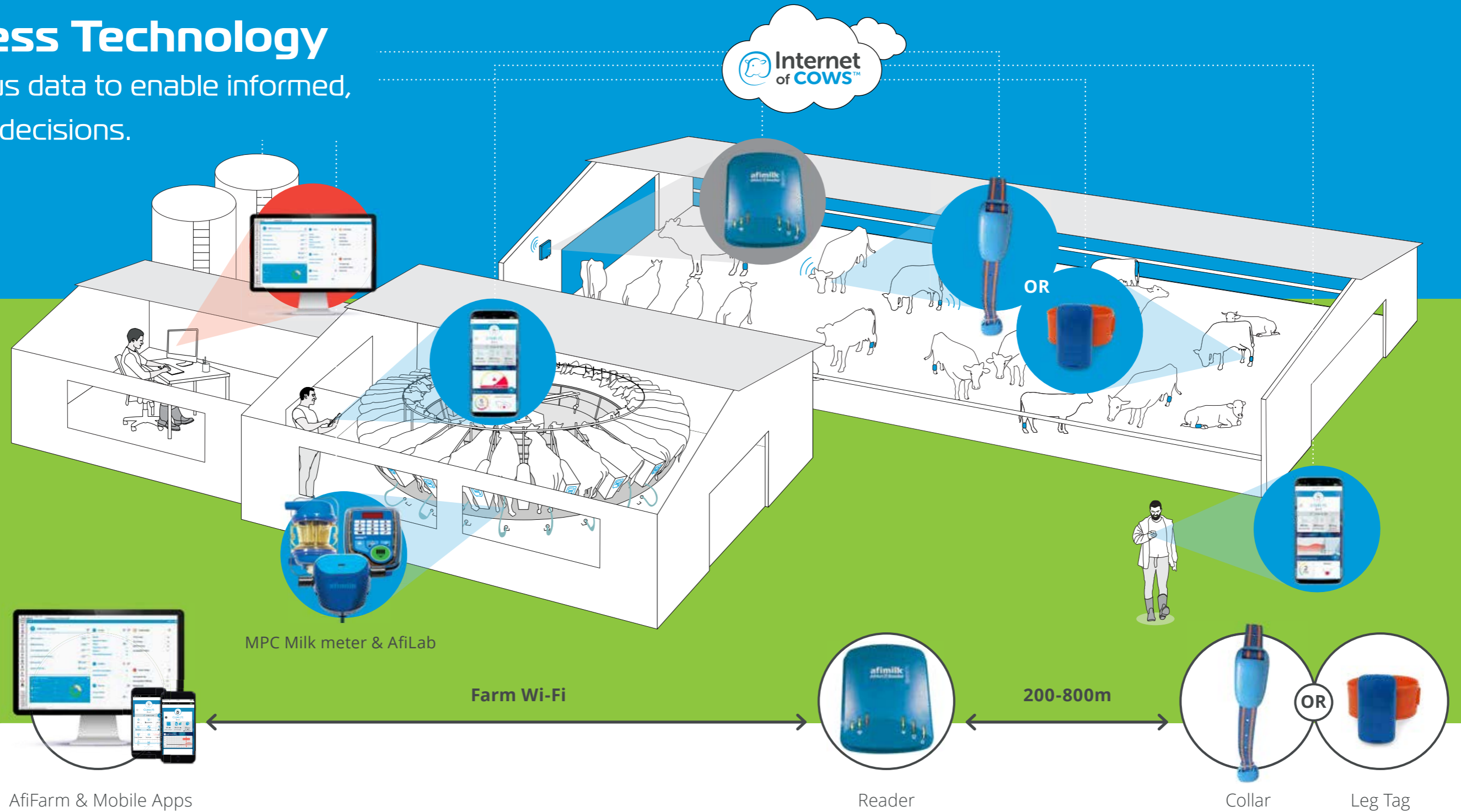farm-notification inbox.

☑ Calving alerts

☑ System alerts

Farm Notifications app

Afi2Go Pro

ANDROID APP ON
Google play

Available on the iPhone
App Store

Wireless Technology

Continuous data to enable informed, profitable decisions.

Internet of COWS™

OR

MPC Milk meter & AfiLab

Farm Wi-Fi

200-800m

OR

AfiFarm & Mobile Apps

Reader

Collar   Leg Tag

24/7 wireless reading across the farm

- ☑ 24/7 tag reading allows maximal management flexibility
- ☑ Electrical design ensures long lifespan
- ☑ Wireless communication to monitor milk cows, dry cows and heifers
- ☑ Easy setup via farm Wi-Fi

- ☑ Automatic data transfer upon returning from pasture paddock
- ☑ 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.

Afimilk's full automation and management solution is simple to use, comprehensive, and focused on farmers' needs. AfiFarm software interprets the data from all these tools to provide you with comprehensive and accessible information you can use to make more insightful and informed decisions.

operating in
>50 countries

~15,000
farms automated by Afimilk

>10 million
cows managed by AfiFarm SW

8 Rotaries
working together in a single farm, managed by Afimilk system

~110,000
milking cows-largest herd managed using Afimilk automation

~2.5 million
cows already managed using AfiFarm

www.afimilk.com