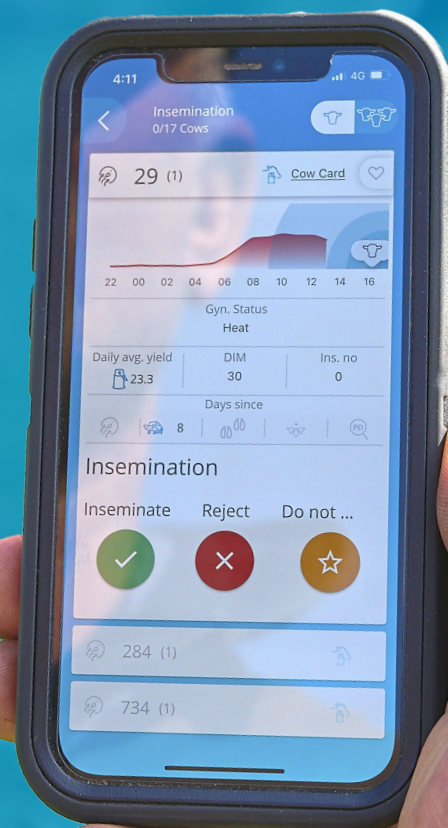
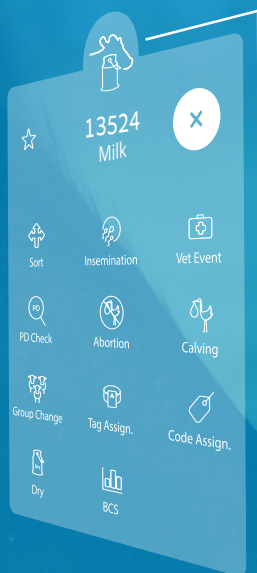


Automating Dairy Farms



afimilk®
Automating Dairy Farms

Automating Dairy Farms since 1977



"Traditionally we'd have one person standing on the platform for 3.5 hours just looking at tailpaint, whereas now it's all in the hands of the collars. It's peace of mind."

Kieran Bourke, Clonlara Farm

Advanced Neck Collar for Cow Monitoring

✓ Accurate heat detection

Animals that show signs of heat are listed in the "Animals for Insemination" report. Relevant fertility data is provided to help you determine which animals to inseminate now.

✓ Real-time rumination and eating data

Track eating and rumination and receive alerts on health changes at the individual, group and herd levels so you can investigate problems before they escalate.

✓ Monitoring of Panting and Heat Stress

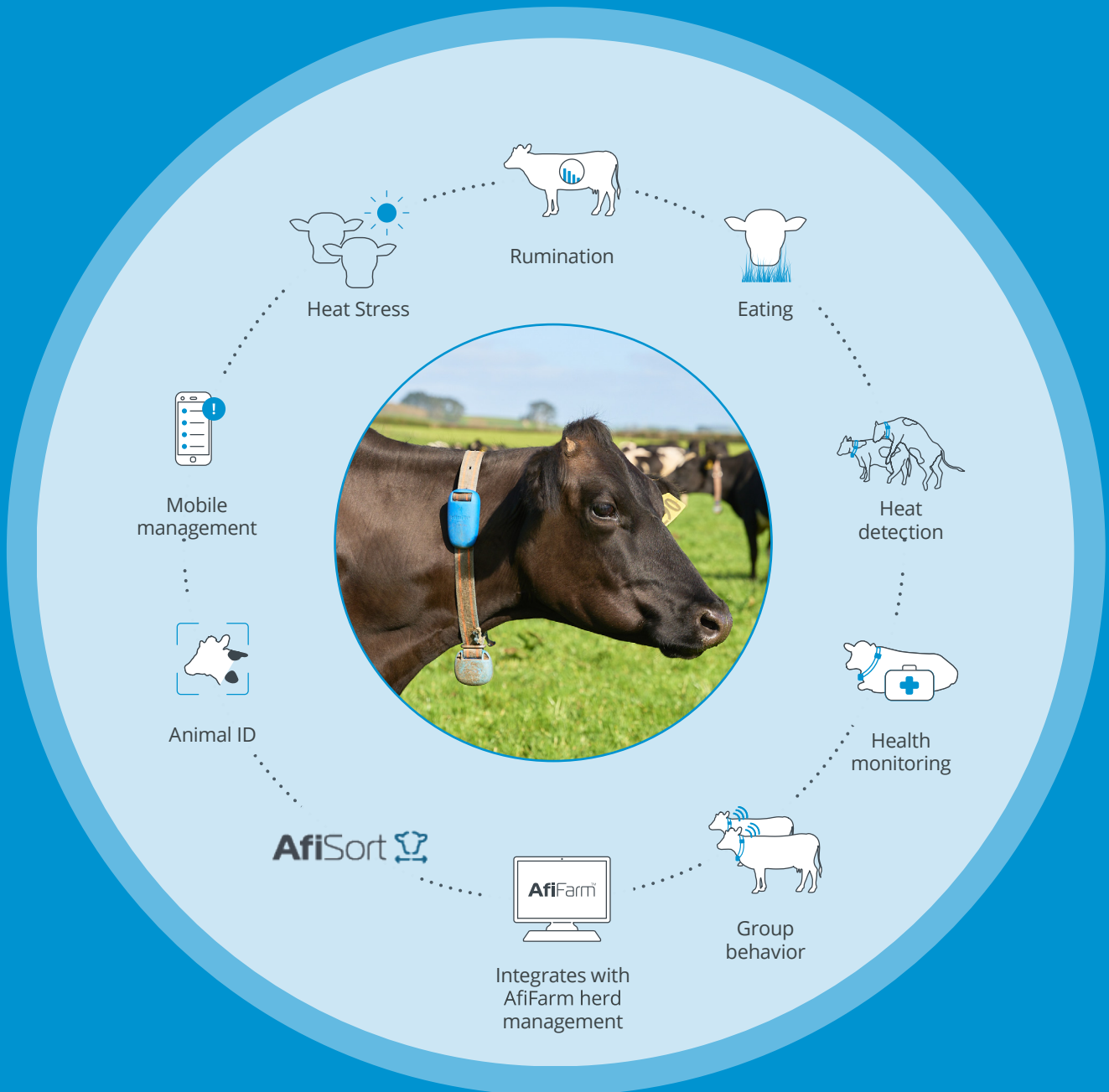
We monitor panting and heat stress at a group level.

✓ Group-level data for informed decision making

Widespread declines in eating and/or rumination can indicate problems with feed quality, sickness, heatstroke, environmental conditions and more. Group-level data on eating and rumination delivers powerful insights to support informed decision making. AfiFarm provides timely alerts, allowing for early intervention, which is key to cow health and production.

Reliable, precise heat detection on dairy cows and heifers

AfiCollars can be used as a standalone health and fertility monitoring system
or as part of a comprehensive monitoring solution.





"We're definitely seeing savings from the milk meter side of it with conductivity, as far as mastitis cows; it's excellent at picking up mastitis cows. So we've got a lower cell count and we get paid on cell count now at the factory."

David England, Holeshott Farms





Your Partner for Precision Dairy

Afimilk's ICAR-approved milk meter and milking point controller (MPC) provide easy, reliable control of the entire milking process at each bale.

Accurately monitor milk yield and conductivity, detect mastitis risk early and prevent the damage caused by udder disease.

The Afimilk MPC protects against vacuum fluctuations, supports ideal cluster removal timing and automatically adjusts pulsation based on milk flow.

How does Afimilk MPC improve my bottom line?



Decrease SCC through early detection of sub-clinical mastitis.



Maintains udder health thereby increasing longevity.



Maximizes parlor efficiency



Promotes a calm milking environment for cow comfort



The Milk Analyzer

AfiLab analyzes milk composition – in line – for every cow milked. It measures fat, protein, and lactose content. It also indicates the presence of blood above a pre-set threshold. This analysis is used to optimize feeding and provide alerts to potential health problems.

A single AfiLab is installed between the Afimilk MPC and the milk line, at each milking point.

AfiLab's continuous data collection provides real time milking alerts, as well as vital information that is utilized to detect the animals that require attention.



Fat and Protein: to effectively detect ketosis, feed issues and digestion-related health problems.

Lactose data supports detection of mastitis risk.

Blood: Protect milk quality by shutting off vacuum when blood is detected.

Accurate milk test information, daily, for every cow.

Features and Benefits

- ✓ **Early detection of ketosis risk**
- ✓ **Early detection of SARA risk**
(Sub-acute Ruminant Acidosis)
- ✓ **Timely alerts of reduced feed quality**
to help prevent losses in milk production
- ✓ **Precise planning of feed regime**
(use fat and protein monitoring to help optimise individual feeding)
- ✓ **Blood alerts**
- ✓ **Semi-automated and automated calibration**

The benefits of the AfiLab milk analyzer are two-fold: Early, reliable health alerts and accurate animal profiling.

Health alerts: AfiLab detects health and nutritional issues often in the sub-clinical stage. This gives you a great opportunity to intervene before the issue has a marked impact on animal health and production.

- ✓ Sub-clinical ketosis
- ✓ Group Nutrition issues
- ✓ Supports detection of mastitis

Accurate animal profiling: Use AfiLab to identify your best cows. The AfiLab system provides accurate data on milk solids (fat, protein, lactose). In conjunction with the MPC, you can identify which cows are your highest producers, and which produce the best quality milk. This information is crucial for making long-term decisions for your farm, including cow selection (breeding or culling), milking, and feeding.

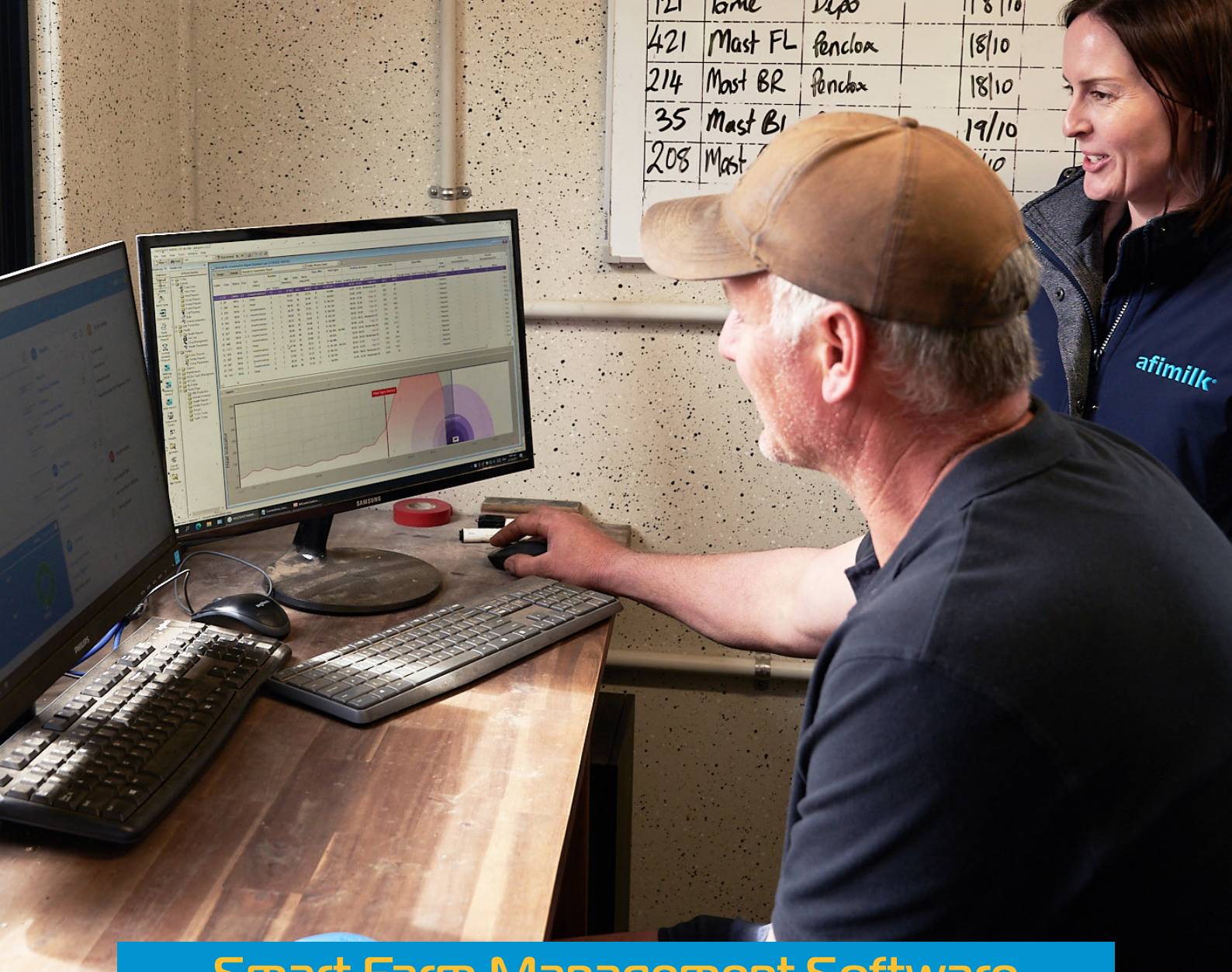
- ✓ Informed culling decisions.
- ✓ Better mating selection.



"The AfiFarm software logs all the cow's data every day. So, every milking, we get a download of data of how those cows are performing that day. The earlier you can solve those problems, the less impact they have on the cows."

Sion Trust Farms





Smart Farm Management Software

Enhance performance, increase profit

AfiFarm Management Software delivers real-time insights to improve dairy farm performance and profitability. AfiFarm's smart technology utilizes the data collected by the different sensors to create a comprehensive profile about each farm of up to 60,000 animals.

AfiFarm is available as a standalone solution to monitor fertility and health, or as a complete solution that also includes milk production monitoring your herd health, fertility, and yield.

Easy-to-analyze data insights

- ✓ Health
- ✓ Fertility (heat, insemination, and abortion)
- ✓ Non-cycling cows
- ✓ Attention lists
- ✓ Group digestion trends
- ✓ Milk production (current and past sessions)

Specific reports

- ✓ Animals for insemination
- ✓ Suspected mastitis cows
- ✓ Suspected ketosis – AfiLab based detection, and risk factors (by AfiFarm)
- ✓ Fresh cows to check
- ✓ Anestrus cows
- ✓ Nutrition alerts (including SARA – Sub-Acute Ruminant Acidosis)
- ✓ Suspected abortions



Welcome to the paperless farm

The Afi2Go app gives you the power to monitor cows, and assign and process tasks from anywhere

Set animal codes, assign tags, check cow status, manage treatments and group changes, assess fertility status and more - all from your mobile device.

Use the app to manage:



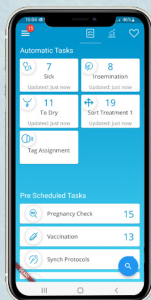
Insemination

Use fertility window to determine best insemination time and process insemination choices



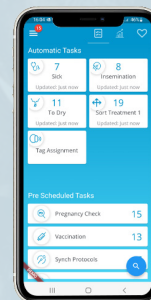
Sick Animals

Enter diagnoses and set treatment protocol



Daily tasks

Select your relevant daily tasks, including Preg checks, Vaccines, Synch protocols, Group change, and more



Real-time notifications

Get animal and hardware malfunction alerts straight to your mobile and take immediate action

Afi2Go





13524
Heifer



Sort

Insemination

Vet Event

PD Check

Abortion

Calving

Group Change

Tag Assign.

Code Assign.

Dry

BCS



13524
Milk



Code: 9, AB

65 DIM
2nd Lactation

28.2 Daily
24.4 Average

32
Since
Ins

Heat Detection







Save time and money with an AfiSort drafting system fully integrated with AfiCollar and Afi2Go

Why AfiSort?

Drafting cows for treatment can be stressful for animals and staff alike. AfiSort changes all that with its easily set automated routines for animal drafting.

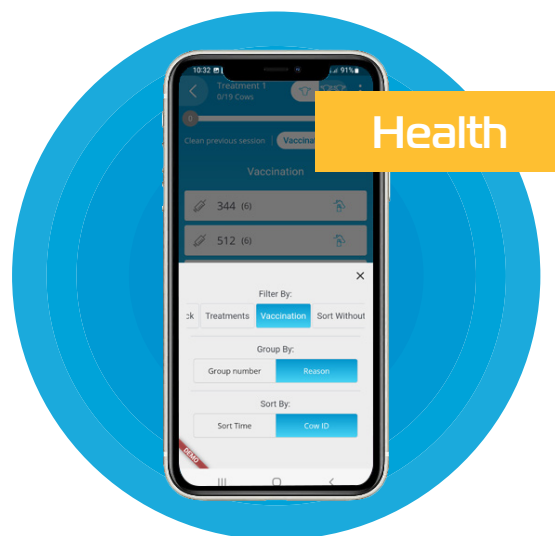
- ✓ **Smooth, streamlined procedure** – AfiSort is designed and installed to maintain cow flow, and ensure calm drafting
- ✓ **Labour savings** – significantly reduce the number of people and the time it takes to locate and treat animals
- ✓ **Size doesn't matter** - AfiSort works with farms of all sizes, and all manner of sort options, including two-way, three-way, single or multiple sort gates.
- ✓ **Sort and weight scale** – integrated scale option for weight monitoring.

Afi2Go smoothly integrates with AfiSort, supporting multiple drafting options





Treatments



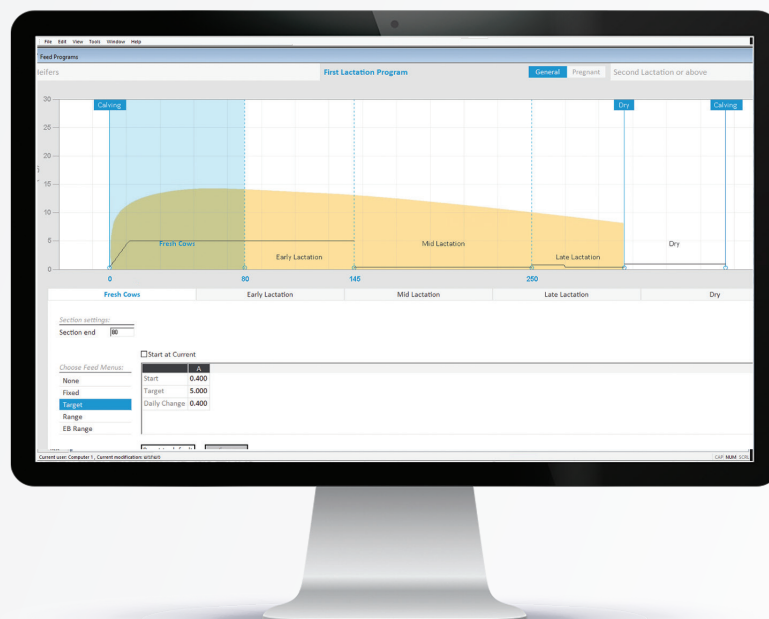
Health



A pre-set feed program designed to meet each animal's nutritional needs, based on her stage in the lactation cycle

Why use AfiFeed?

- ✓ **Automization** - feed menus and allocation is set, and recalculated by AfiFeed each day.
- ✓ **Flexibility** - manual feed menus can be assigned to individual cows, or on a group level.
- ✓ **Range** - menus can be built based on production, fertility status, and other variables.
- ✓ **Accessibility** - AfiFeed is user friendly and easy to master.
- ✓ **Precision** - Feed dispensation is accurate for all feed types.
- ✓ **Adaptable** - can be used for both in-parlor feeding (rotary and parallel) and out-of-parlor feeding options.
- ✓ **Smart** - able to control up to 8 different feed types which allows ultimate individual customisation of your feed menus.







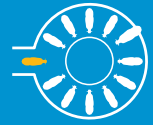
>50

operating in
>50 countries



110K

110k cows in a single
herd is the largest
farm currently using
Afimilk management
solution



8

largest number of
rotaries on a single
farm, managed
by Afimilk



~15K

farms automated
by Afimilk



>10M

cows managed
by AfiFarm herd
management software

www.afimilk.com