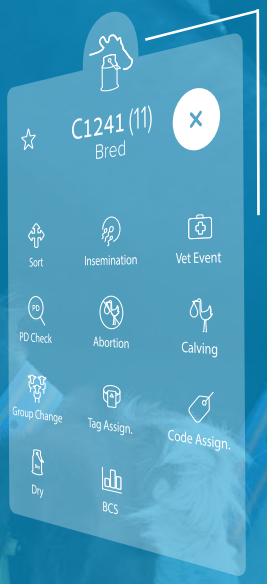
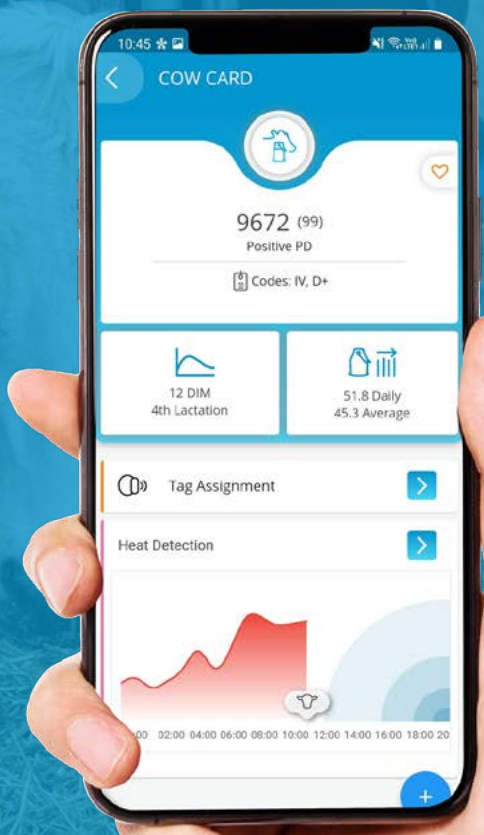
Automating Dairy Farms





afimilk®
Automating Dairy Farms

AfiCollar

"Our conception rate is good - 48%"

Fidencio Caballero, Holland Family Cheese

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 24/7 and receive alerts on health changes at the individual, group and herd levels so you can investigate problems before they escalate.

Monitor panting and heat stress

AfiCollar monitors panting to identify heat stress at an individual and group level.

Group-level data for informed decision making

Widespread declines in eating 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 maximizing farm efficiency.

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 milking solution.

AfiAct III

"Tools like Afimilk really help you manage the herd more effectively - make better decisions, get more cows pregnant, keep them pregnant. There's just a lot of things. I cant believe people dairy without these things."

Rudy DeWinkle, Solid Rock Ranch, Nampa, Idaho

The world's leading Leg Tag for cow monitoring

Boost The Overall Pregnancy Rates In Your Farm

Get vital information about your cows, including heat detection, animal welfare and calving alerts with Afimilk's enhanced cow leg sensor - AfiAct II.

Accurate heat detection

Increase your herd's pregnancy rate with time-sensitive heat detection

Premium features in a single package

Animal wellbeing

Monitor your herds resting time, welfare and health

Calving alert service

Receive calving alerts on your mobile to reduce your calves' mortality rates

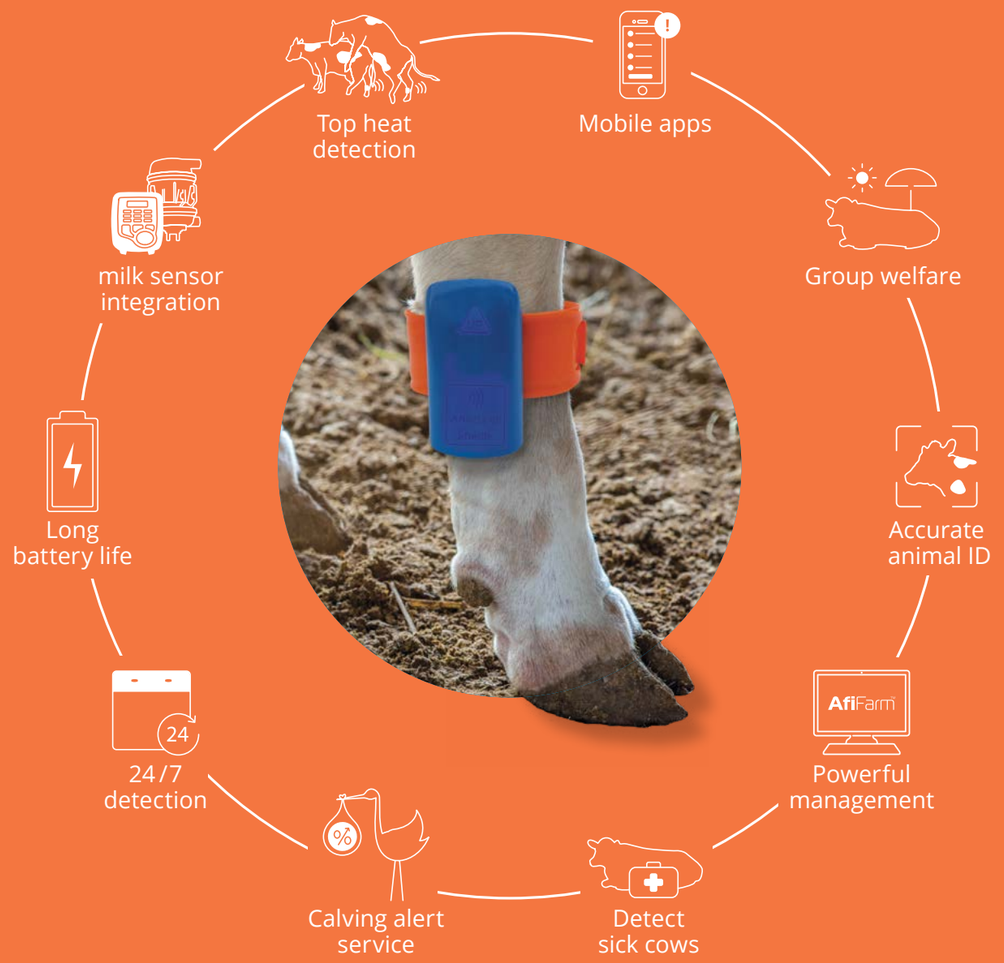
Mobile apps

Manage your herds data with Afi2Go pro wherever you are

Features & benefits

- **Latest technologies, including 3D accelerometer**
- **Superior heat detection:** now with enhanced performance
- **All the beloved features of previous generation:** Calving Alert, Rest time, accurate parlor-ID
- **NFC technology:** allowing to read the tag number using smartphones
- **72 hours** of internal memory
- **Energy efficient:** 5 years lifetime

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



Afimilk MPC
MilkMeter

"Having daily information is very important. We're currently focusing on finding clinical mastitis cases that the milkers didn't have time to find before and we're doing that with great success."

Ed Oppedyk, Oppedyk Dairy, Mountain Home, ID

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 milking point.

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?

- Optimizes milking routines
- Promotes a calm milking environment for cow comfort
- Maximizes parlor efficiency
- Maintains udder health

AfiLab

"We started getting data on the cows as far as conductivity, butter fat and protein about a year ago. It's been really awesome to see the trend of certain cows, and I can actually tell which cows are profitable using that information."

Siska Reece, Moo-Riah Farm, Nampa, Idaho

The Milk Analyzer

AfiLab is installed inline, at each milking point, to measure milk components (fat, protein and lactose) from every cow at every milking. By providing accurate data points from each milking session, dairymen can quickly adjust rations based on the most profitable component measures while also monitoring cow health to help reduce the costs of ketosis and other critical health problems.

Accurate Milk Sensors

AfiLab unique milk sensors detect and measure the most essential aspects of milk yield - for every cow during every milking– to provide vital information on milk and identify the animals that require attention.

Milk solids are analyzed - with a focus on protein and fat components - to effectively detect ketosis, nutritional issues and digestion-related health problems.

Lactose data supports detection of mastitis risk.

Why AfiLab?

- **Precision milking**
- **Early detection of ketosis risk**
- **Early detection of SARA risk**
  (Sub-acute Ruminal 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 reduce feed costs)
- **Blood alerts**
- **Semi-automated and automated calibration**

Identify high performing cows

AfiLab delivers data on every cow, every milking for valuable insights on performance over the life of the cow. When used in conjunction with the MPC, this detailed and accurate animal profiling allows you to identify which cows are your highest producers, and which produce the best quality milk, to help make informed long-term decisions on breeding, culling, milking, and feeding.

Get paid more for your milk

By analyzing every milking, dairymen can make responsive least cost/greatest benefit ration decisions to increase the value of milk based on components while also maximizing feed efficiency which will lower feed costs.

Detect health issues early

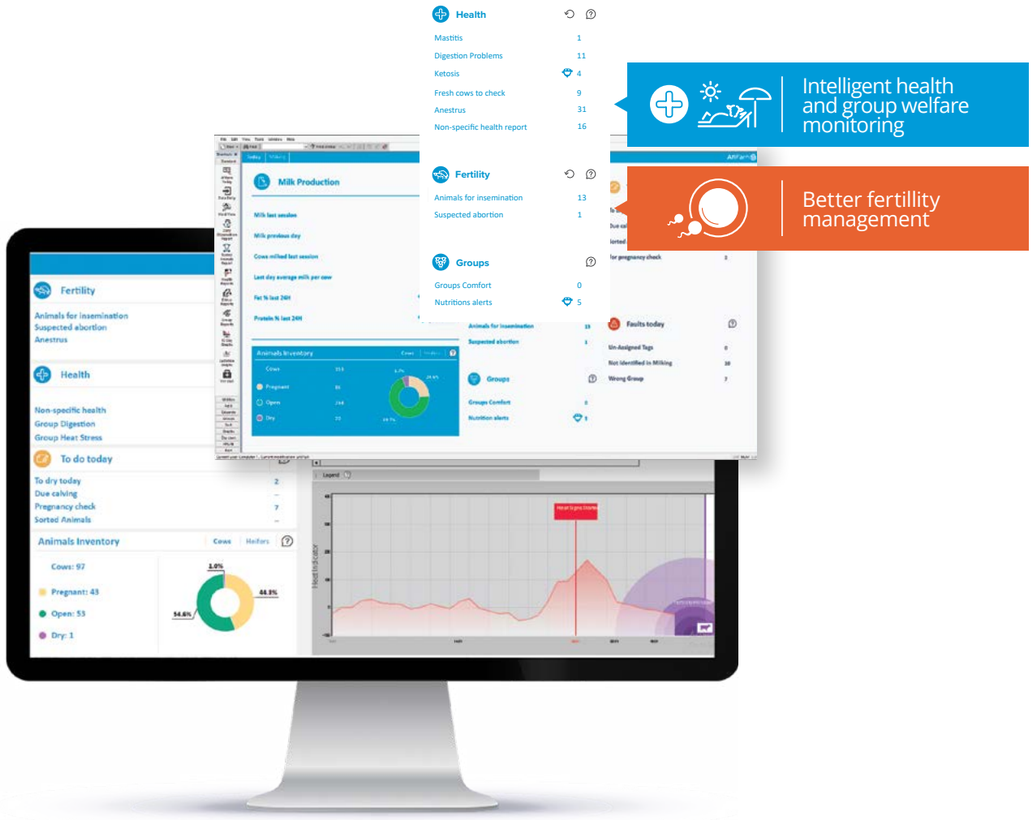
AfiLab detects health and nutritional issues, often in the sub-clinical stage, providing an opportunity to implement health and nutritional interventions before a marked impact is made on animal and

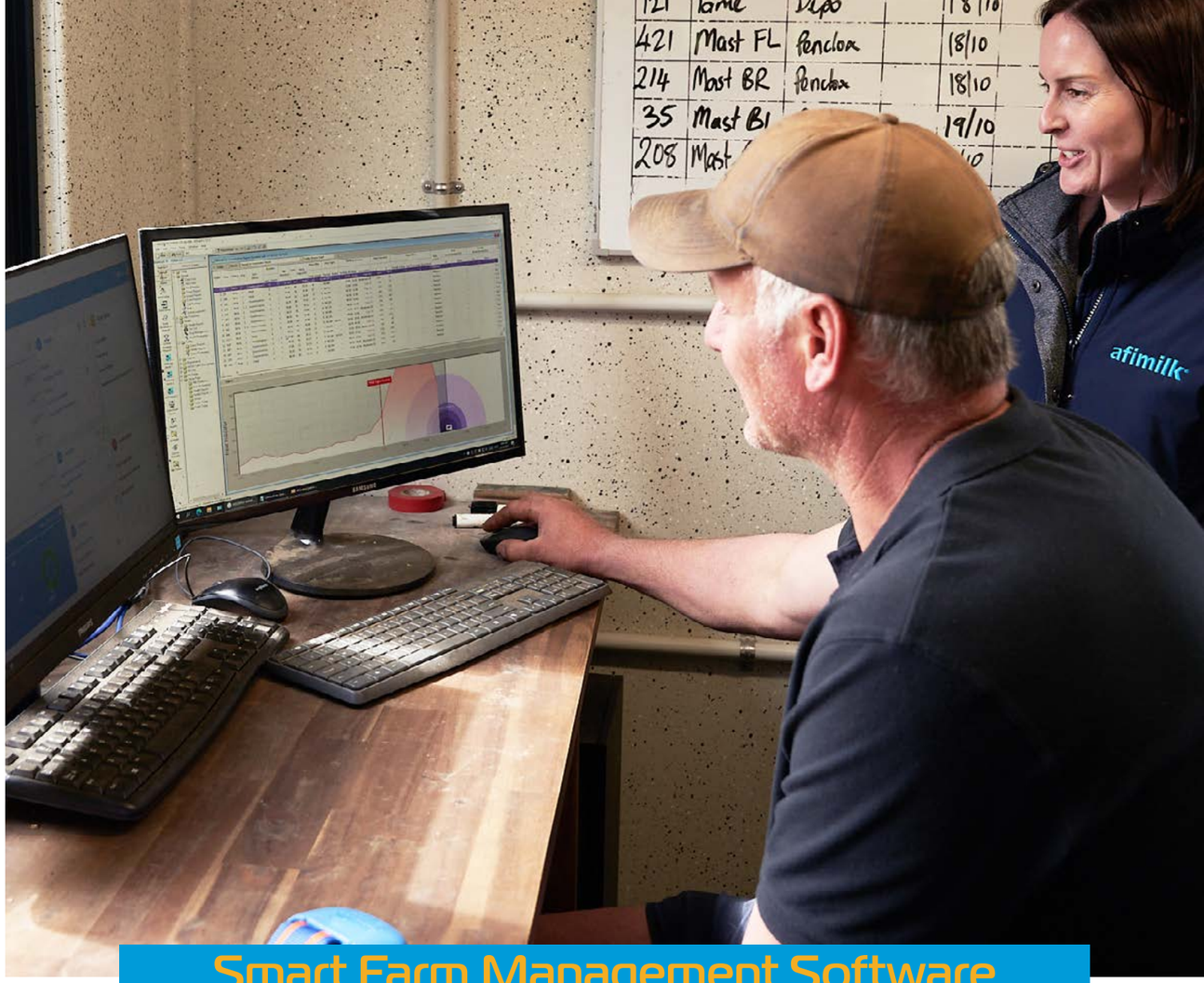
- group health, or production outcomes
- Sub clinical ketosis
- Confirmation of mastitis
- Group nutrition issues
- Infections

AfiFarm™

"I believe we've been running the Afi system long enough now to know that it finds my problems, it helps me take better care of the cows, and without an Afi system i wouldnt dairy anymore."

Henery Veenendahl, L.P, Hanford, California





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 includes milk production herd health monitoring, fertility, and yield.

Easy-to-analyze data insights

- Health
- Fertility (heat, insemination, and abortion)
- 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 Ruminal Acidosis)
- Suspected abortions

Afi2Go Prime

Welcome to the paperless farm

The Afi2Go Prime 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:

Daily tasks

Select your relevant daily tasks, including Preg checks, vaccines, synch protocols, group change, and more

Event progress

Use progress bar to monitor workers progress on each task

Insemination

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

Sick animals

Process diagnoses and set treatment protocol

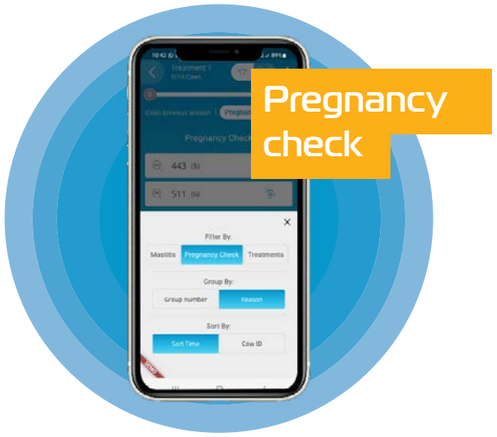
AfiSort

Reduce lock-time and improve labor efficiency with AfiSort

Sorting cows for treatment can be stressful for animals and staff alike. AfiSort changes all that with its easy to setup automated routines for animal sorting.

- **Smooth, streamlined procedure –** AfiSort is designed and installed to maintain cow flow, and ensure calm sorting for animals
- **Labor 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 Prime smoothly integrates with AfiSort, to support sort options



>50

operating in **>50** countries

~15K

farms automated by Afimilk

110K

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

>10M

cows managed by AfiFarm herd management software

8

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

www.afimilk.com