Afimilk Highlights

2018

AfiFarm™ 5.2

NEW

To Manage your Vital Knowhow

AfiFarm ABC Dashboard – the Heart of the Dairy Farm

AfiFarm, the most comprehensive, scalable, and flexible software for the automation and management of dairy farms – now with a whole set of new capabilities, and a more friendly, accessible, and intuitive UI. AfiFarm 5.2 is clearly the best AfiFarm yet.
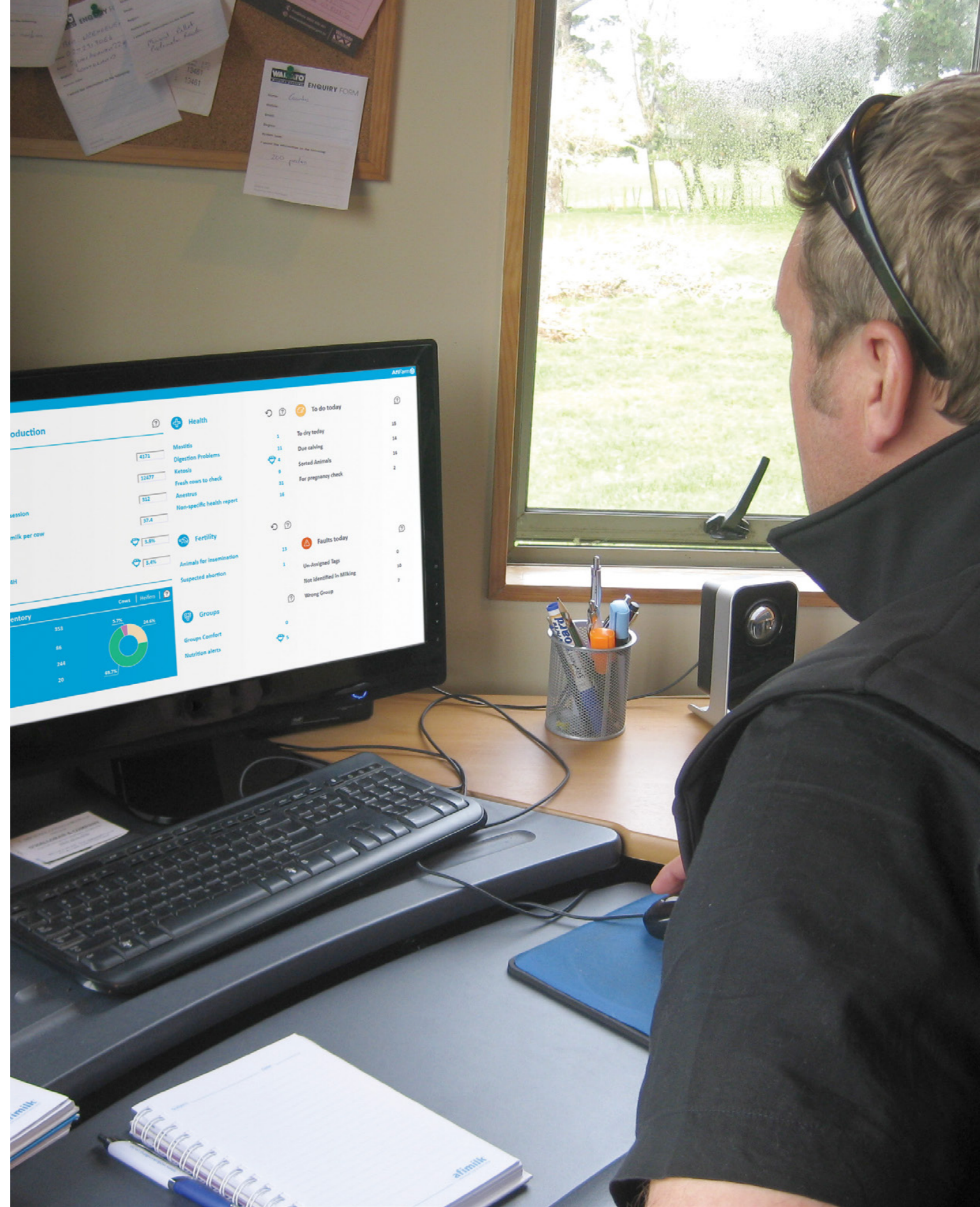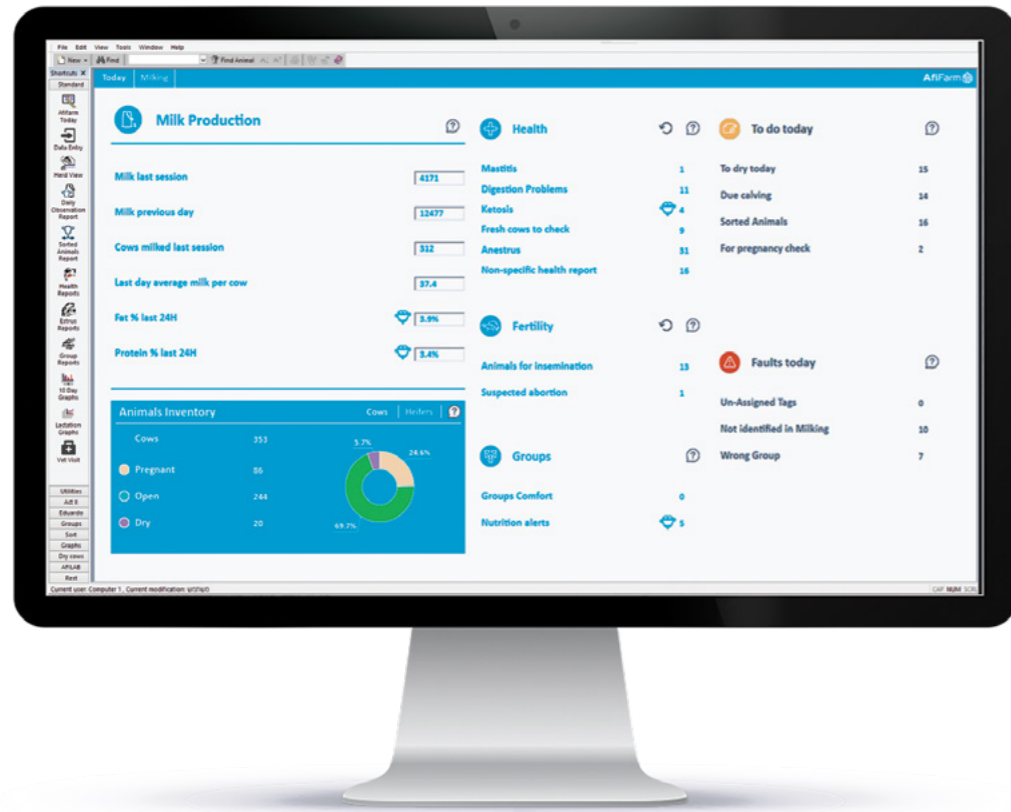
Features and Benefits

- Comprehensive health management
- Detection of ketosis, mastitis, and digestion problems
- Group wellbeing – automatic alerts on over-crowding, bedding problems, and reduced wellbeing
- Point-on heat detection and fertility management
- Monitoring and analysis of milk production
- Milking Efficiency
- Advanced animal sorting
- Monitoring the quality of milking parlor CIP

New in AfiFarm 5.2

- AfiFarm ABC dashboard and new reports
- Reliable Calving Alert Service
- New Inline Milk Lab applications
- Two new mobile applications
- Mobile notifications for calving and heat detection
- Rotary terminal with touchscreen
- The best integration with DC305 on the market

AfiFarm™ 5.2

Who's that Cow? Cow Info Mobile App*

A new application for managers and employees – gets you the essential animal information to your smartphone whenever you need it.

Either type the cow's herd number or scan the animal's RFID ear tag with an RFID wand*.

* Requires standard Bluetooth RFID wand, not sold by Afimilk.
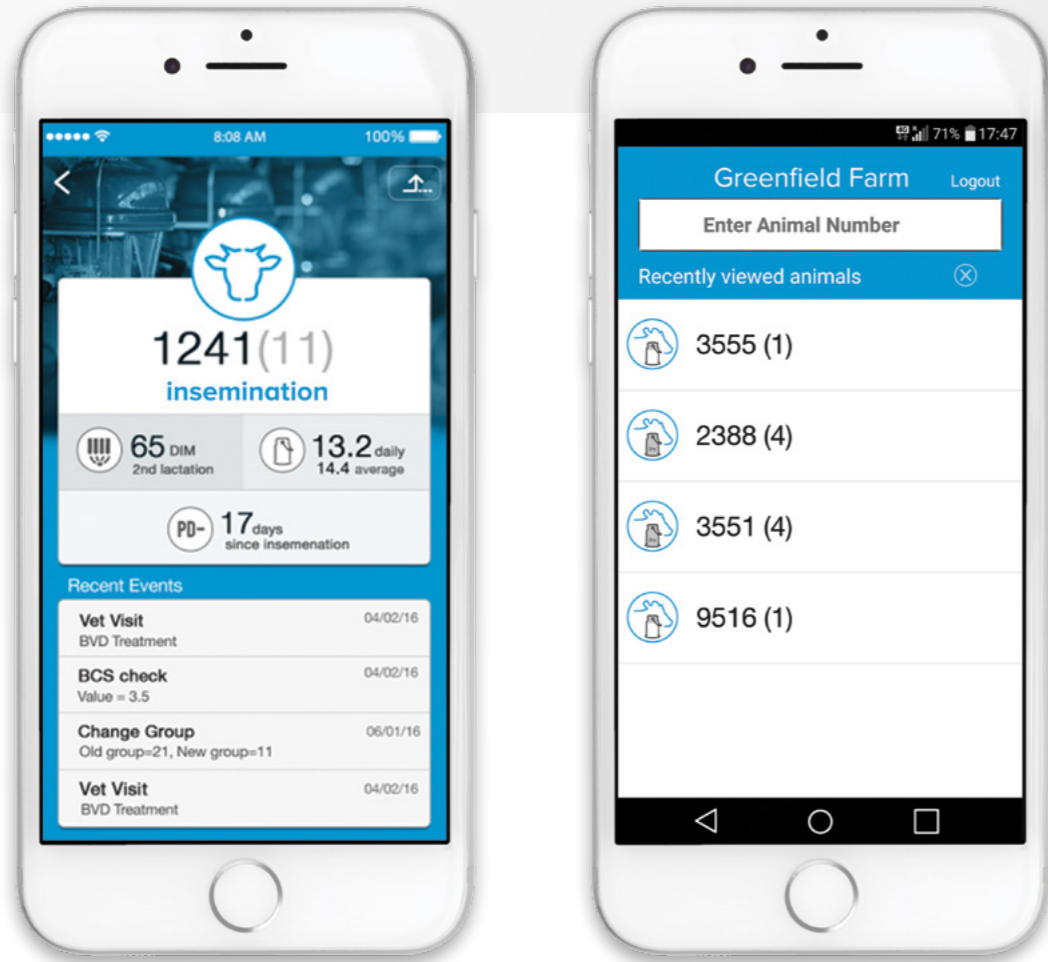
Features and Benefits

- Access key information such as group, days in milk, pregnancy status, and average production per animal status (Heifer, Milking Cow, Dry Cow)
- Data on recent events, for example, group change, vet visit, heat, and insemination
- Sort milk cows in one click
- Find Cow ID by typing, smart search, or automated using an RFID wand

Requires

- AfiFarm 5.2
- An Internet connection and a smartphone

AfiFarm™ 5.2

Stay Alert! Farm Notifications Mobile App

A new application that provides a user-friendly visual inbox for timely notifications on important farm events, for example "animal 4385 – prolonged calving", "your daily list of animals for insemination: 3321, 7423, 5552", or even "technical problem at the sort gate requires your attention".

You can decide which employee (or even a vet or consultant) gets access. Each of the users can select the notification type that suits them, so that we don't bother the vet with technical alerts or send a calving alert to the inseminator.

Features and Benefits

- Unlimited number of users
- Enables the manager to control who gets access
- Each user can configure the notification type/s of interest (insemination, calving, and system faults)

Requires

- AfiFarm 5.2
- An Internet connection and a smartphone
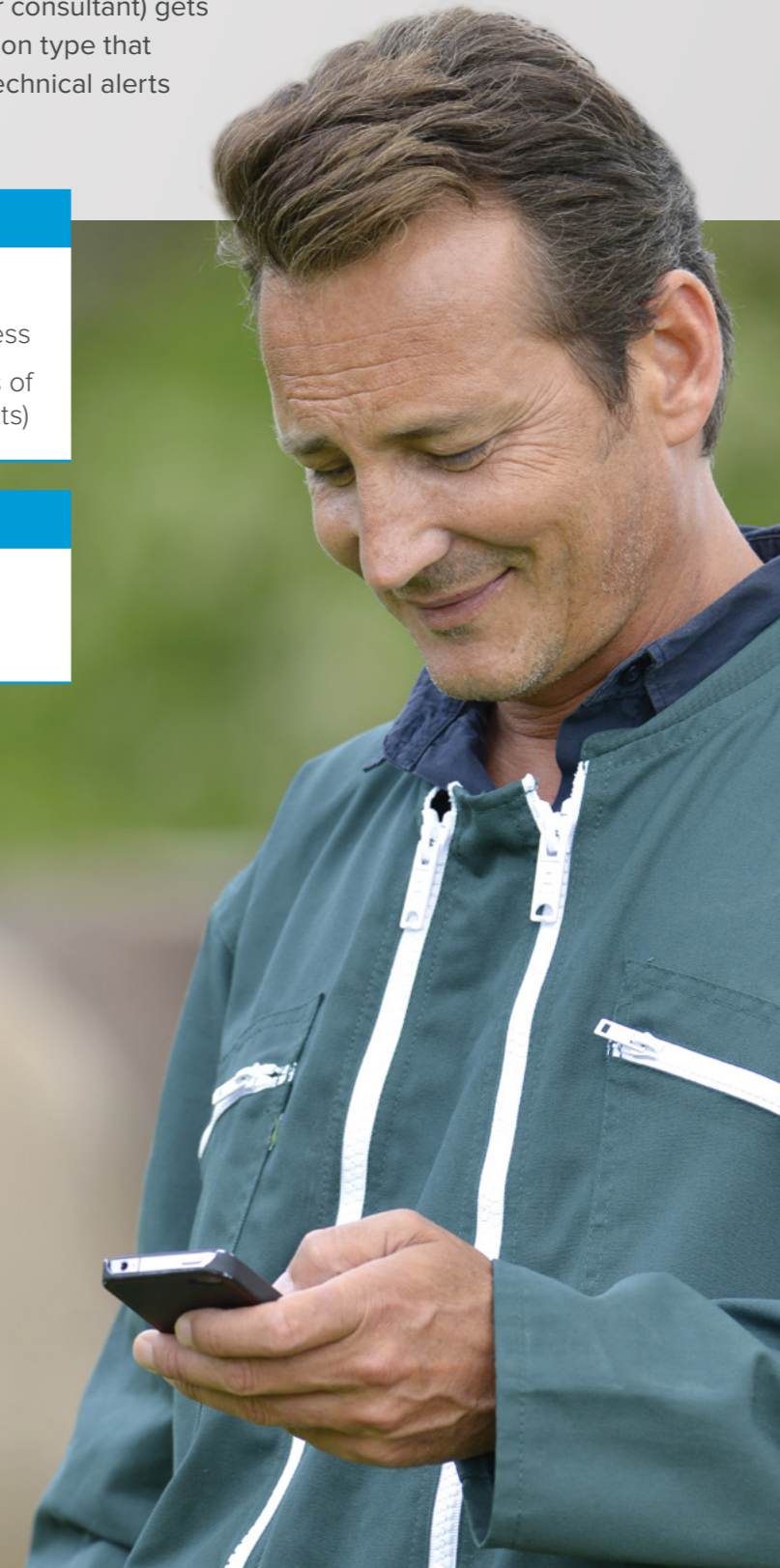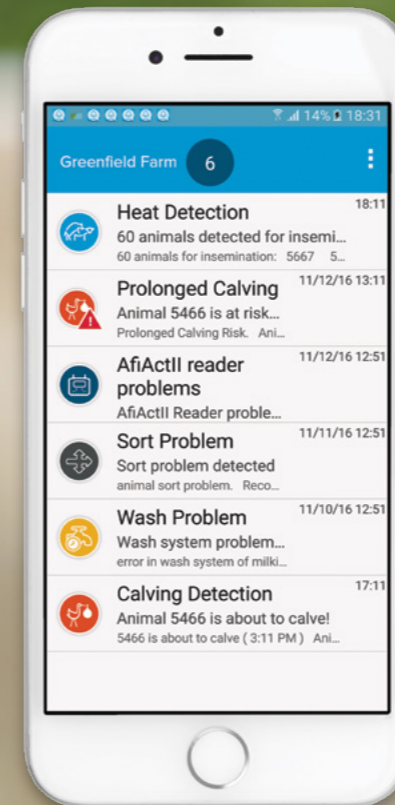
Rotary Terminal –
The Control Center of Your Rotary Parlor

Everything You Need to Know – At a Glance

Anything You Need to Do – With a Touch

AfiFarm™ 5.2 Rotary Terminal –
## The Control Center of Your Rotary Parlor

NEW

No need to walk around the deck – you can now see everything from your milker's place!

Intuitive touchscreen-based control pod to help you stay on top of everything that happens in your rotary parlor through:

Statuses: milking session progress, groups milked and groups on the deck, production data, milking progress on the deck

Alerts: cow in wrong group, conductivity (possible mastitis), cluster kick, low yield, canceled ACR, manager codes

Actions: point and send to sort, keep for 2nd rotation
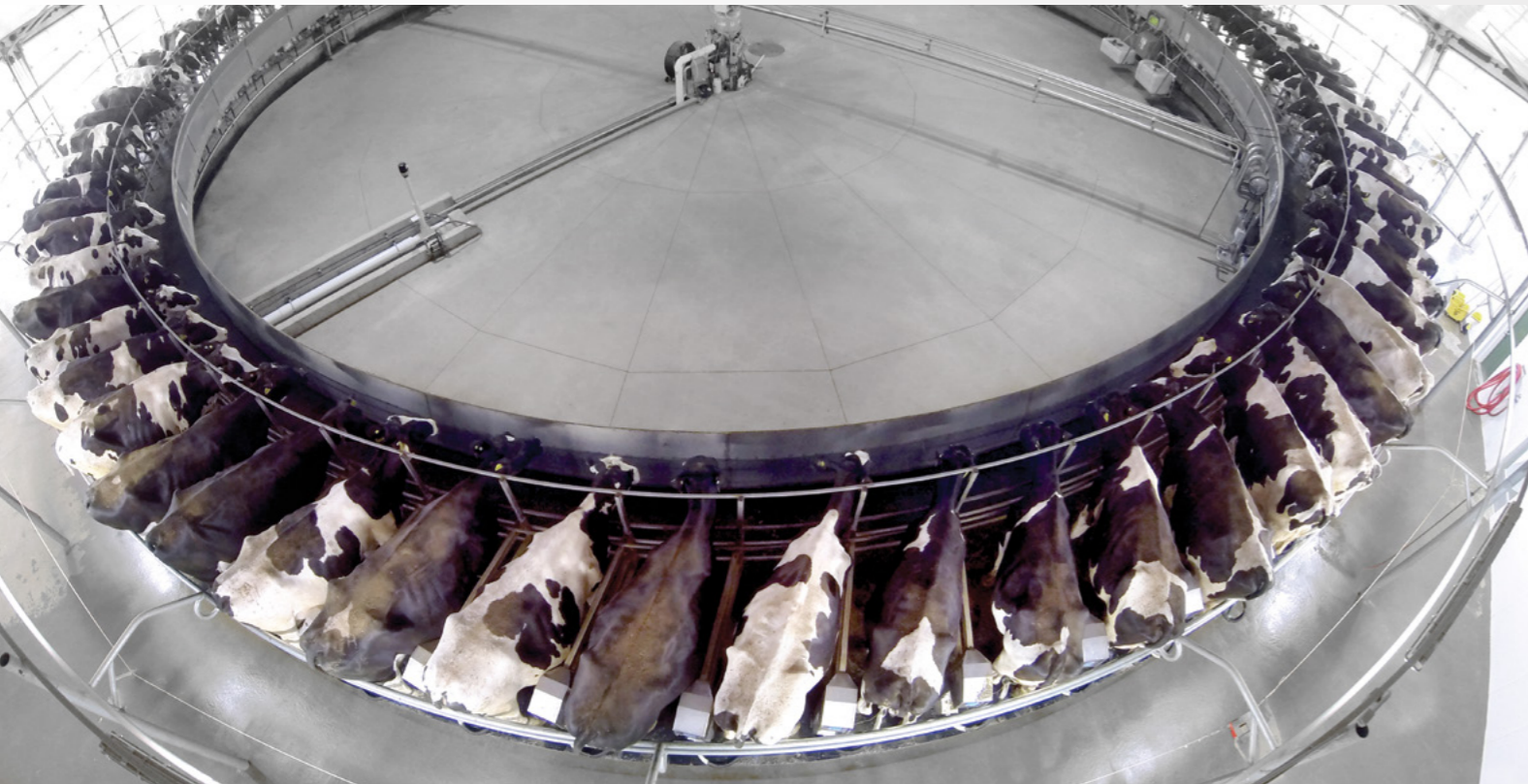
The Best Rotary Automation Solution
For Sheep and Goats

Afimilk's unique rotary solution enables the modernization of large sheep and goat operations; and includes the four key technological elements of a winning solution:

- **The #1 management software: Afi**Shepherd™ was designed for small ruminants management. Every feature and report of AfiShepherd is designed to meet the unique animal routines and management regimes of small ruminants.

- **The #1 Milk Meter: Afi**Free™ is the market leading and the most accurate milk meter available today for sheep and goats (ICAR approved for sheep & goats).

- **The #1 animal ID system:** Afimilk's **Afi**Pass™ ensures the super accurate identification of animals and their assignment to the correct stalls as they walk onto the platform without slowing it down (tested on 120-stall rotaries).

- **The #1 individual feeding: Afi**Feed™ is a sophisticated system that helps control what each animal gets based on management parameters, and is adapted to meet the special needs of small ruminants feeding in a rotary parlor.

More Features and Benefits

- Pre-installed cabinet with ruggedized PC and built-in 15" touchscreen

- High spec and water proof

- VGA and USB connectors for external screen or touchscreen (useful for large wall-mount monitors)

Special Feature

Animal Sorting – directly from the deck exit (no sort gate needed)

AfiLab™ – Vital Knowhow in Every Drop

The AfiLab milk analyzer is installed between the AfiMilk MPC and the milk line at each milking point and measures the composition of fat, protein, and lactose in the milk that each cow gives. AfiLab's continuous data collection provides on-line milking alerts, as well as vital information that is utilized to detect the animals that require attention and improves the selection for genetic purposes.


Features and Benefits

- Early detection of ketosis
- Early detection of SARA (Sub-acute Ruminal Acidosis)
- Precise planning of feed regime (using fat & protein monitoring) to help reduce feed costs
- Timely alerts of reduced feed quality to help prevent losses in milk production

- Blood alerts
- Washing problem warnings to help ensure proper CIP wash and prevent bacterial growth in the milking system
- Semi-automated and automated calibration

In line milk lab
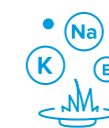
| Improved Health | Efficient Nutrition | Top Milk Quality | Precision Milking |

Vital Knowhow in Every Drop

AfiMilk **MPC** Milk Meter –
The Manager's Partner for Precision Dairy

The easy-to-use Afimilk MPC Milk Meter provides full control over the milking process at the milking point. Afimilk's MPC is an ICAR-approved milk meter, offering a series of supporting features and operator aid alerts for milking (flow and vacuum fluctuations), cluster removal, pulsation and pre-milking stimulation. A state-of-the-art conductivity sensor is used for effective and early detection of mastitis and to reduce the damage caused by udder disease.
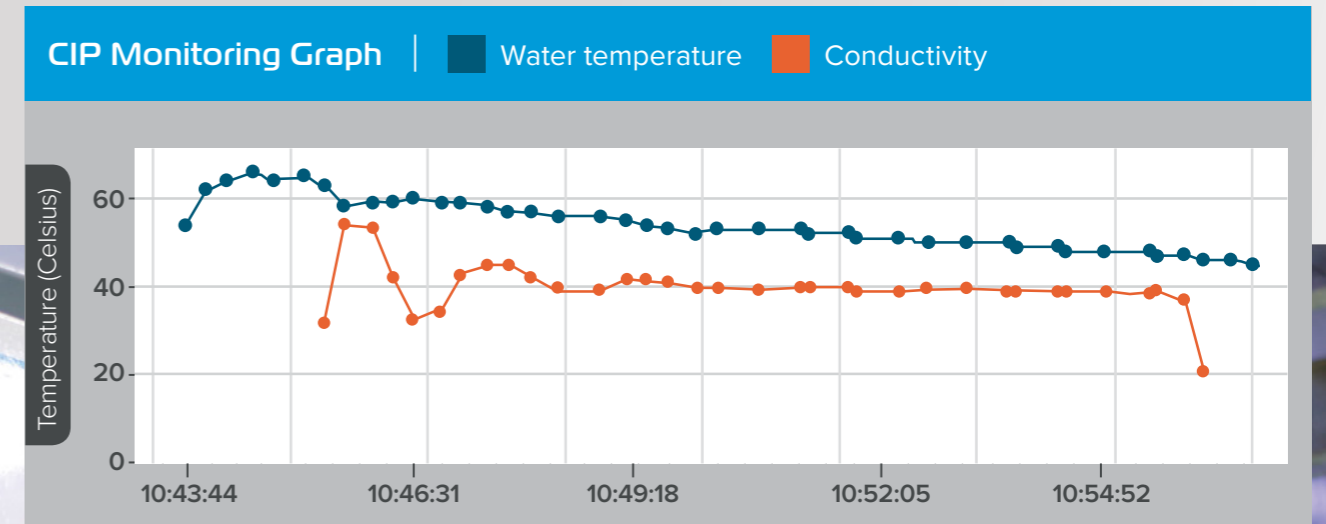
Features and Benefits

- Aids in fresh cow follow-up to help you optimize the milk curve
- Includes a high-precision conductivity sensor
- Powerful mastitis detection helps reduce the damage of udder disease
- Prevents the loss of bulk milk by automatically blocking the milking of cows with exceptional milk (colostrum, antibiotic, high SCC cows)
- Maintains a calm milking environment by alerting on restless behavior, kick-offs, slow milk let down, double attachment and more

- Improves milking efficiency by monitoring milking times and flow rates to evaluate the quality of animal preparation for milking and milk let-down
- Offers new pulsation and claw removal parameter options
- Includes a fat sampler and optional 7/8" outlet option for high-yielding cows

CIP Monitoring –
Ensuring Milk Quality and Sensor Operation

The new MPC Milk Meter model measures the temperature and conductivity of the wash solution during the sanitation of the milking system.

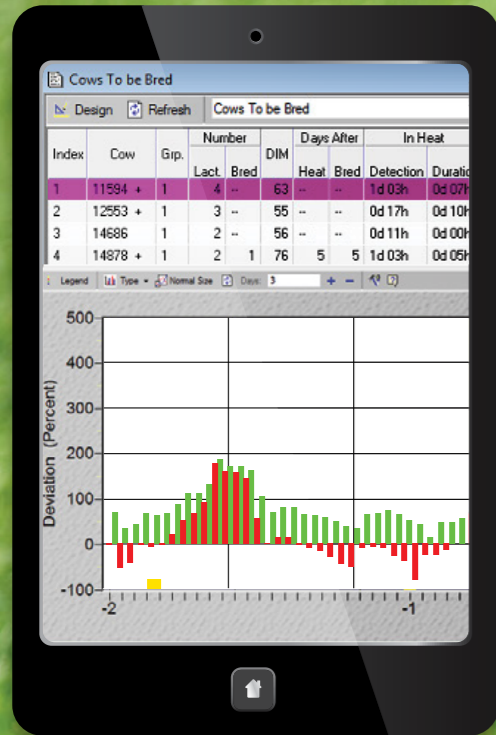**CIP Monitoring Graph** | ■ Water temperature ■ Conductivity

Features and Benefits

- Early detection and alerting of problems that lead to sanitation deficiency
- Monitoring CIP cycles
- Identification and alert of temperature and cleaning material anomalies
- Enables early resolving of problems before bacteria levels increase

AfiAct II

Vital Knowhow in Every Step

Best Leg Tag Solution for Cow Monitoring and Animal ID

Cows To be Bred

Index	Cow	Grp.	Number Lact.	Bred	DIM	Days After Heat	Bred	In Heat Detection	Duration
1	11594 +	1	4	--	63	--	--	1d 03h	0d 07h
2	12253 +	1	3	--	55	--	--	0d 17h	0d 10h
3	14686	1	2	--	56	--	--	0d 11h	0d 00h
4	14878 +	1	2	1	76	5	5	1d 03h	0d 05h

Animal 4356,
Prolonged Calving

AfiAct II - Vital Knowhow in Every Step

Effective Cow Monitoring and Accurate Animal ID in a Single Package

Join the success!

It's time to improve your pregnancy rate with accurate and time-sensitive heat detection that helps to identify **which** cows should be inseminated and **when**.

It's time to experience the ultimate system for identifying cows in the milking parlor and properly record their production data.

It's time to experience AfiAct II – one of the all-time bestselling dairy precision products!

The AfiAct II Calving Alert Service has received 3 innovation awards at major dairy events. It was successfully tested in over 40 farms, and already helps many farmers save their calves and cows every day.

Features and Benefits

- Offers highly-accurate heat detection
- Best solution for Animal ID in the parlor
- Monitors rest behavior
- Sends group wellbeing alerts on overcrowding and bedding problems
- 24/7 detection and long-range transmission
- As reliable as it gets – enjoy our experience with millions of animals
- Long-life batteries

AfiAct II

NEW

Calving Alert Service

The determination of calving time is a key factor in ensuring successful calving and optimized treatment — and is often even the determining factor in saving the lives of your calves and cows.

With the AfiAct II calving alert service, you can receive notifications directly to your smartphone just before calving starts, and more importantly, in cases of prolonged calving that often require intervention.

The AfiAct II Calving Alert Service has received 3 innovation awards at major dairy events. It was successfully tested in over 40 farms, and already helps many farmers save their calves and cows every day.

Features and Benefits

- Full integration with Afimilk's Farm Notification Mobile app
- Alerts when calving starts (typically 4 hours or less before calving starts)
- Alerts in cases of prolonged calving
- Indication of high-risk calving (such as twins or after induction)

Requirements

- AfiAct II leg tags (manufactured after January 2016) and a reader for the dry cows, and an Internet connection and a smartphone

Afimilk
Silent Herdsman

State-of-the-Art Standalone Cow Monitoring, with Neck Collars

Simply put, Silent Herdsman will help you make more money, save time and keep your herd healthy wherever you are. In contrast to sensors that focus on rumination alone, the Afimilk Silent Herdsman uses an advanced sensor that monitors activity, rumination, and eating patterns to effectively distinguish between real health issues and false ones.

Features and Benefits

- Unique combination of activity, rumination and eating

- A simple collar can improve your preg-rates — amongst the highest rates of heat detection

- A simple collar can improve your herd health — benefit from a health-attention list with minimal false alarms

- Simple and easy-to-use touchscreen

- Ruggedized hardware for harsh environments

- Full application that can be accessed via any smartphone, tablet or laptop