



Livestock Intelligence



SenseHub™

THE NEW GENERATION
OF COW MONITORING



SenseHub™

HEAT DETECTION, HEALTH, DISTRESS, NUTRITION, HEAT STRESS, ROUTINE.

These are some of the monitoring possibilities offered by SenseHub™, the scalable system which grows with your herd and adapts to suit any requirement. By monitoring the animals fertility and their health status you can maximise profitability and reduce management costs.

Improve submission and conception rates

Allflex Livestock Intelligence reproduction monitoring applications eliminate the guesswork and inconsistency of evaluating the reproductive status of every individual heifer and cow. Our applications empower dairy farmers to optimise conception rates, while reducing skilled labour requirements and saving time.

Leveraging behaviour monitoring based on activity, rumination, eating and other proprietary key cow behaviours, SenseHub™ provides unmatched heat detection accuracy, including detection of weak heat signs, while minimising false positives. They deliver actionable insight in real time, with precise insemination timing guidance.

Using our applications, dairy farmers can reduce the calving interval, while reducing or eliminating dependency on reproductive hormones. With fewer days open, farmers can improve milk production as well as the genetic quality of their herd.

Our reproduction monitoring applications include Cows in Heat (estrus) Report, Cows with Irregular Heat Report, Suspected for Abortion Report, and Anestrous Cows Report.

Health Monitoring

Allflex Livestock Intelligence health monitoring applications empower dairy farmers to detect developing health issues in the transition period such as ketosis, DA, metritis and mastitis early on, before they show up in milk or as a serious metabolic problem, and often well before production drops or clinical signs appear. They also enable farmers to quickly evaluate response to veterinary treatments, for the best-possible recovery and treatment cost-effectiveness. Using our applications, dairy farmers can make informed and timely decisions regarding intervention and treatment, enabling pre-emptive actions that help avoid deterioration, reduce treatment costs, and reduce or prevent impact on milk production, and lowering the mortality rate.

Smart phone alerts provide actionable insight into individual cows' health at high-risk times, including before, during and immediately after calving, enabling timely intervention that can save money and provide peace of mind. Our health monitoring applications also help farmers streamline their fresh cow protocol and minimise disruption to fresh cows' peace by enabling them to identify and care for those cows that need additional attention.

Our health monitoring applications include Health Report, Fresh Cow Report, Animals to Inspect Report, Distress Report, and Distress Alerts.

Group and Nutrition Monitoring

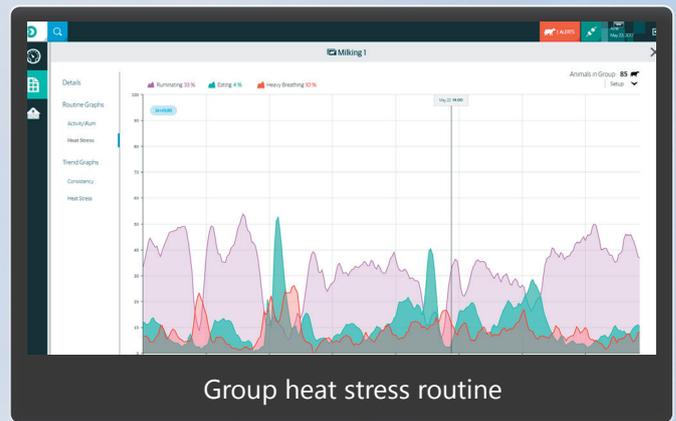
Farmers can improve their nutrition strategy by quickly understanding how their cows react to ration changes, including subtle adjustments such as new suppliers, a toxin or feed issue, and ratio modifications. The effects of ration adjustments can be detected in as little as a few hours, enabling informed nutrition decisions that optimise herd health, reproduction, and milk productivity. Visualisation of long-term trends spanning several months provides nutritionists with an additional perspective for evaluating rations and changes.

Farmers can also understand the effects on their cows' wellbeing of environmental factors such as extremely hot weather, lack of water, over-population, wind and of changes to grouping, equipment and staffing. This enables informed decisions to address immediate issues, activate and fine-tune heat abatement strategies, and develop plans to prevent or minimise future problems.

Our group monitoring applications include Group Heat Stress Report, Group Consistency Report, and Group Routine Report



Dashboard



Group heat stress routine

518 Milking 1

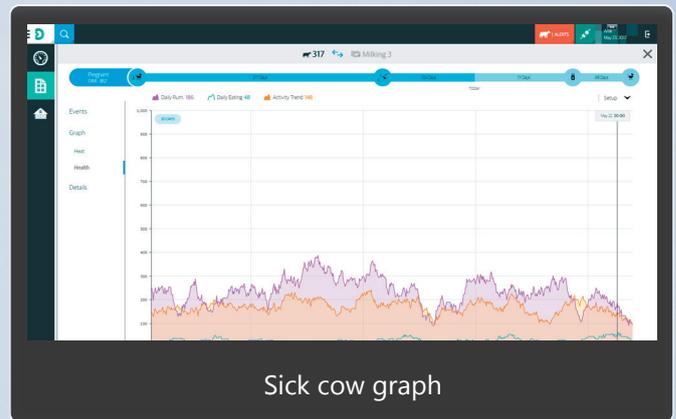
Events

Add New Event

Time Stamp | Event Name | Event ID | Description

23/05/2017 08:43	Breeding	105	Breeding Number 8
23/05/2017 14:02	Breeding	104	Breeding Number 7
23/05/2017 18:17	Breeding	104	Breeding Number 6
23/05/2017 08:42	Breeding	104	Breeding Number 5
23/05/2017 18:21	Breeding	103	Breeding Number 4
23/04/2017 18:00	System Health	105	
23/04/2017 08:03	Breeding	105	Breeding Number 3
20/04/2017 17:00	System Health	102	
14/04/2017 09:30	Breeding	96	Breeding Number 2
13/04/2017 13:00	System Heat	95	Heat Index 74
12/04/2017 08:00	System Health	94	

Insemination reporting



Sick cow graph

518 Milking 1

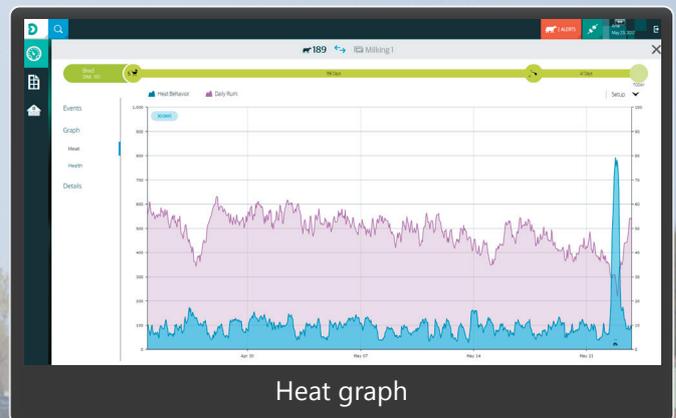
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23/05/2017 18:21	Breeding	103	Breeding Number 4
23/04/2017 18:00	System Health	105	
23/04/2017 08:03	Breeding	105	Breeding Number 3
20/04/2017 17:00	System Health	102	
14/04/2017 09:30	Breeding	96	Breeding Number 2
13/04/2017 13:00	System Heat	95	Heat Index 74
12/04/2017 08:00	System Health	94	

Adding an event to the cow card



Heat graph



FLEXIBLE, HIGH-PERFORMANCE COW MONITORING FOR ANY SIZE FARM



Gain actionable insight into every animal's status, in all populations, across the full animal lifecycle

Monitor all cattle on your dairy farm, from birth to culling, according to the specific needs of each population. With the ability to match tag type and application plan level to the various populations on your farm, you can gain actionable insights to optimise the productivity and wellbeing of all your livestock, for more sustainable and profitable operations.

- Maximise conception rates, production and profitability, with advanced heat and health monitoring
- Now you can improve the conception rate of your heifer population using the starter application plan, while using our broader application plans for the milking cows
- Maximise the potential value of young stock while reducing risks and costs with dedicated health monitoring application of calves up to six months old

Get an exceptionally flexible solution that meets your changing needs

Assemble your monitoring solution to best suit the different populations on your dairy farm, and your operational and business needs. Choose the tags, application levels, devices and your farm payment method that suit you now, and make adjustments as individual animals transfer to different populations and as your needs change.

- Use the right tag at the right time – support for both eSense Flex ear tags and cSense Flex neck collar on the same farm
- Use the right application for the right population – multiple application plans, and the flexibility to combine different application plans on the same farm
- Choose your preferred payment option – Up or Go models for upfront or a monthly subscription
- Utilise your preferred user devices – Desktop, Laptop, Tablet or any mobile device

Manage your dairy farm livestock with maximum convenience

Utilise a variety of management solutions, tools, and options according to size and infrastructure of your farm. With Allflex Livestock Intelligence's modular approach, you can assemble your full monitoring and management solution according to your needs now and change or upgrade specific aspects as your needs evolve.

- Monitor large dairy herds of over 1,000 cows with the new SenseHub™ Server
- Easily and efficiently sort cows using a connected sorting gate to the system
- Boost efficiency across your farm with integrated cow monitoring and herd management software
- Work with a modular, scalable solution that adjusts as your farm grows – upgrade application plans, add tags and upgrade software remotely

Mobile application

Additional antennas

Web application

Tags



SenseHub™ Controller

Control Tower service and support centre

Plug 'n Play Installation

Third-party herd management systems

FLEXIBLE APPLICATION PLAN LEVELS



Starter

- Heat Report
- Cows with Irregular Heat Report
- Suspected for Abortion Report
- Anestrus Cows Report



Advanced

- All Starter applications, plus:
- Health Report
 - Fresh Cow Report
 - Animals to Inspect Report
 - Distress Report
 - Distress Alerts



Premium

- All Starter and Advanced applications, plus:
- Group Heat Stress Report
 - Group Consistency Report
 - Group Routine Report

eSense™ Flex Ear Tag



Communication: 2.4GHz - 802.15.4 Area coverage: 200 x 500m (656 X 1640 ft)

Expected battery lifetime: Electrical (battery): 3 years

Size: H 68mm / W 38mm / D 15mm (H 2.7" / W 1.5" / D 0.6")

Weight: 25 gr (0.88 oz)

Operating temperature: -30o to +50o C (-22o to 122o F)

Housing: Waterproof (IP68) durability and unique plastic composition create a strong, airtight casing

cSense™ Flex Neck Tag



Communication: 2.4GHz - 802.15.4 Area coverage: 200 x 500m (656 X 1640 ft)

Expected battery lifetime: Electrical (battery): 7 years

Size: H 84mm / W 64mm (H 3.3" / W 2.5")

Weight: 98 gr (3.46 oz)

Operating temperature: -30o to +50o C (-22o to 122o F)

Housing: Waterproof (IP68) durability and unique plastic composition create a strong, airtight casing

DNA PARENTAGE TESTING

Are you looking for a quick and easy DNA sampling method that is reliable, easy to transport, user-friendly and efficient to process at the lab?

Allflex Tissue Sampling Units (TSU) provide all of this and much more. These units take an ear punch which can replace tail hair, blood, semen or other sample types used for DNA, Pestivirus or other serology testing.

Fast, high performance sample collection. Samples can be collected in seconds with minimal animal restraint. A single-squeeze motion collects a sample with minimum distress to the animal.

Clean, uncontaminated sampling. The genetic material is sealed in a specially designed preservative.

Minimise retesting. Tissue samples contain a large quantity of high quality DNA for genetic analysis, yielding excellent lab results.

Sample integrity. The TSU is fully sealed and positively identified with both a 2D barcode and ID panel. The TSU can be paired to matching visual and management tags, creating an absolute sample-to-animal linkage.



Tissue Sampling Unit (TSU)



TSU Applicator

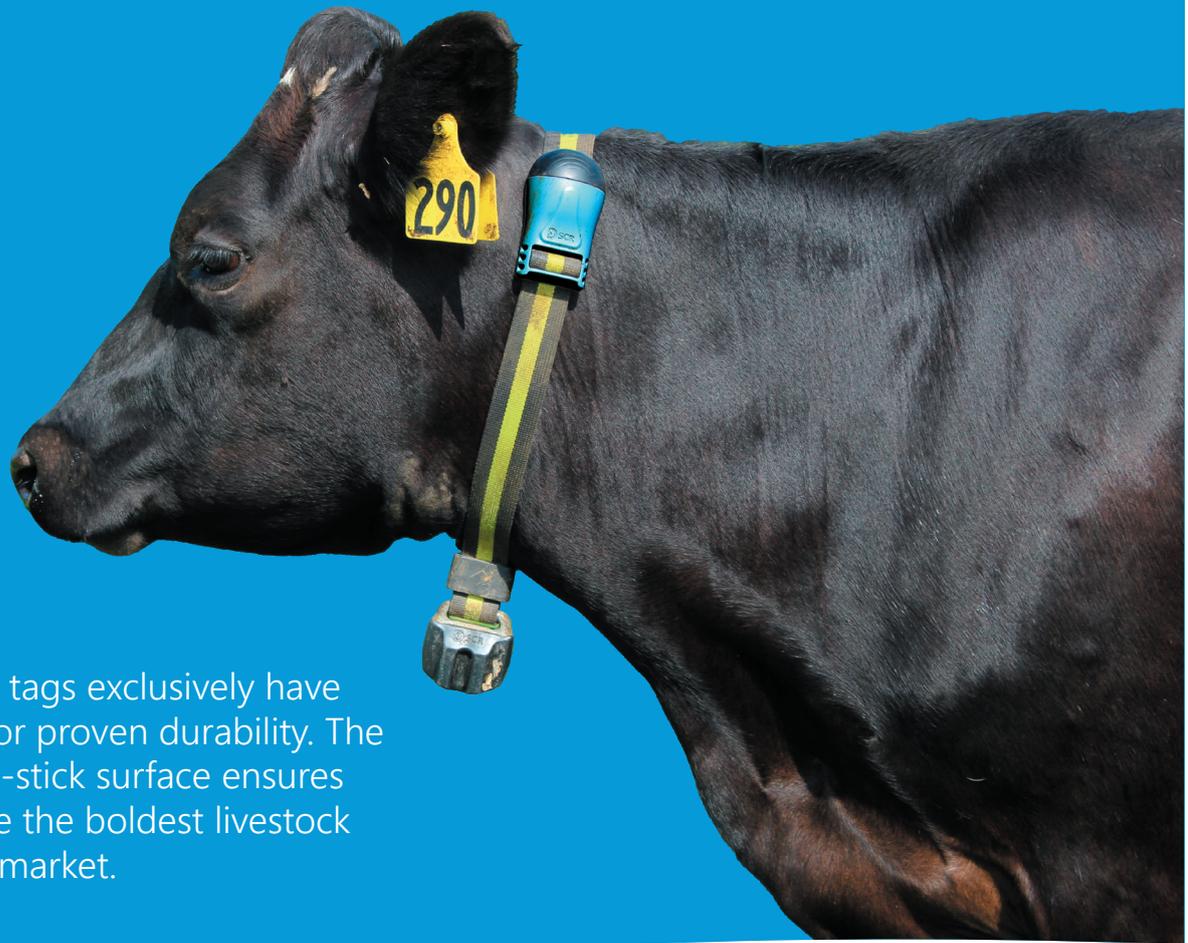


Tissue Sampling Unit with Management and NAIT tags

- Fast high performance sample collection
- Fully sealed ensuring uncontaminated sampling
- Can be paired to matching visual and management tags



PROVEN INNOVATIVE SOLUTIONS FROM THE MARKET LEADERS IN IDENTIFICATION.



Allflex management tags exclusively have LaserPlus marking for proven durability. The advanced shiny non-stick surface ensures that Allflex tags have the boldest livestock identification in the market.

LASERPLUS MARKING

The boldest, blackest and easiest to read livestock identification



Laserink pitch black ink

Laser marking for proven durability

Advanced shiny non-stick surface

As permanent as a tag tattoo



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Allflex[®]
Livestock Intelligence

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