

Allflex®

Livestock Intelligence



SenseHub™

THE NEW GENERATION
OF COW MONITORING



SenseHub™

Allflex Livestock Intelligence monitoring solutions monitor millions of animals worldwide. Our solutions collect and analyze critical data points for every individual animal, delivering timely reproduction, health and nutrition insights. Using our monitoring solutions, producers can increase efficiency, improve livestock wellbeing, and drive prosperity for their farms and families.

Reproduction Monitoring

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 optimize conception rates, while reducing skilled labor requirements and saving time.

Leveraging behavior monitoring based on activity, rumination, eating and other proprietary key cow behaviors, our reproduction monitoring applications provide unmatched heat detection accuracy, including detection of weak heat signs, while minimizing 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.

Real-time detection and 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 minimize 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.

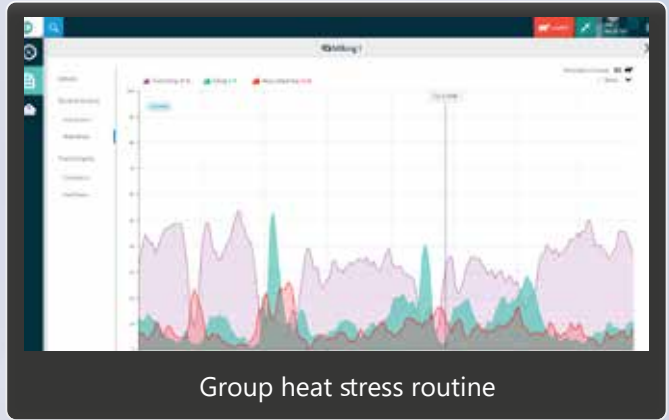
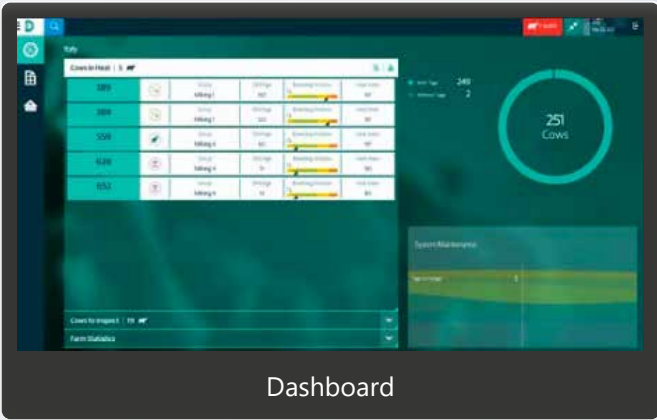
Group and Nutrition Monitoring

Allflex Livestock Intelligence group monitoring applications provide dairy farmers with timely and actionable insight that enables optimized decision-making for herd-wide health, wellbeing and productivity. Varied reports that reveal trends within groups enable farmers to make timely decisions relating to wellbeing, nutrition, and heat abatement, and other farm management strategies.

Farmers can improve their nutrition strategy by quickly understanding how their cows react to ration changes, including subtle adjustments such as new batches, new suppliers, a toxin or mold, 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 optimize herd health, reproduction, and milk productivity. Visualization 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, wet bedding, over-population, wind, and dogs, 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 minimize future problems.

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



Insemination reporting

Animal ID	Animal Name	Sex	Insemination Date	Insemination Time	Insemination Location
2000000000	2000000000	Female	2023-01-01	10:00	Stall 1
2000000001	2000000001	Female	2023-01-01	11:00	Stall 2
2000000002	2000000002	Female	2023-01-01	12:00	Stall 3
2000000003	2000000003	Female	2023-01-01	13:00	Stall 4
2000000004	2000000004	Female	2023-01-01	14:00	Stall 5
2000000005	2000000005	Female	2023-01-01	15:00	Stall 6
2000000006	2000000006	Female	2023-01-01	16:00	Stall 7
2000000007	2000000007	Female	2023-01-01	17:00	Stall 8
2000000008	2000000008	Female	2023-01-01	18:00	Stall 9
2000000009	2000000009	Female	2023-01-01	19:00	Stall 10
2000000010	2000000010	Female	2023-01-01	20:00	Stall 11
2000000011	2000000011	Female	2023-01-01	21:00	Stall 12
2000000012	2000000012	Female	2023-01-01	22:00	Stall 13
2000000013	2000000013	Female	2023-01-01	23:00	Stall 14
2000000014	2000000014	Female	2023-01-01	00:00	Stall 15
2000000015	2000000015	Female	2023-01-01	01:00	Stall 16
2000000016	2000000016	Female	2023-01-01	02:00	Stall 17
2000000017	2000000017	Female	2023-01-01	03:00	Stall 18
2000000018	2000000018	Female	2023-01-01	04:00	Stall 19
2000000019	2000000019	Female	2023-01-01	05:00	Stall 20



Adding an event to the cow card

Animal ID	Animal Name	Sex	Insemination Date	Insemination Time	Insemination Location
2000000000	2000000000	Female	2023-01-01	10:00	Stall 1
2000000001	2000000001	Female	2023-01-01	11:00	Stall 2
2000000002	2000000002	Female	2023-01-01	12:00	Stall 3
2000000003	2000000003	Female	2023-01-01	13:00	Stall 4
2000000004	2000000004	Female	2023-01-01	14:00	Stall 5
2000000005	2000000005	Female	2023-01-01	15:00	Stall 6
2000000006	2000000006	Female	2023-01-01	16:00	Stall 7
2000000007	2000000007	Female	2023-01-01	17:00	Stall 8
2000000008	2000000008	Female	2023-01-01	18:00	Stall 9
2000000009	2000000009	Female	2023-01-01	19:00	Stall 10
2000000010	2000000010	Female	2023-01-01	20:00	Stall 11
2000000011	2000000011	Female	2023-01-01	21:00	Stall 12
2000000012	2000000012	Female	2023-01-01	22:00	Stall 13
2000000013	2000000013	Female	2023-01-01	23:00	Stall 14
2000000014	2000000014	Female	2023-01-01	00:00	Stall 15
2000000015	2000000015	Female	2023-01-01	01:00	Stall 16
2000000016	2000000016	Female	2023-01-01	02:00	Stall 17
2000000017	2000000017	Female	2023-01-01	03:00	Stall 18
2000000018	2000000018	Female	2023-01-01	04:00	Stall 19
2000000019	2000000019	Female	2023-01-01	05:00	Stall 20



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 optimize the productivity and wellbeing of all your livestock, for more sustainable and profitable operations.

- Maximize 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
- Maximize 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 tags 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
- Utilize your preferred user devices – Desktop, Laptop, Tablet or any mobile device

Manage your dairy farm livestock with maximum convenience

Utilize 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 center

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



Premium

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



Young Stock

- Young Stock Health Report

eSense™ Flex 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 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

USE THE RIGHT APPLICATION



Maximize the potential value of young stock while reducing risks and costs

Allflex Young Stock Application provides advanced health monitoring of calves up to six months old, enabling you to detect the onset of health issues very early, sometimes even before clinical signs appear. With earlier detection, you can promptly begin treatment or otherwise intervene, reducing drug usage, preventing impact on each calf's growth curve or future performance, and ultimately reducing mortalities. Automated monitoring and detection saves time and effort and reduces dependence on skilled labor.



FOR THE RIGHT POPULATION



Optimize heifer reproduction monitoring by using multiple application plans on your farm

You can now cost-effectively monitor heifers with the Starter application plan, to optimize conception rates, alongside the Premium plans for the cows, where there are more health, nutrition & wellbeing risks.

Using the Starter application plan on heifers provides reproduction monitoring only and can be used with other application plans on the farm.

Since there is a natural movement of animals between populations, tags can be kept on the same animal for its entire lifecycle.

The system automatically enables the application features for all tagged animals based on their population, permitting extensive flexibility.





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