



GEA COWSCOUT

Heat Detection, Health Monitoring
and Cow Positioning



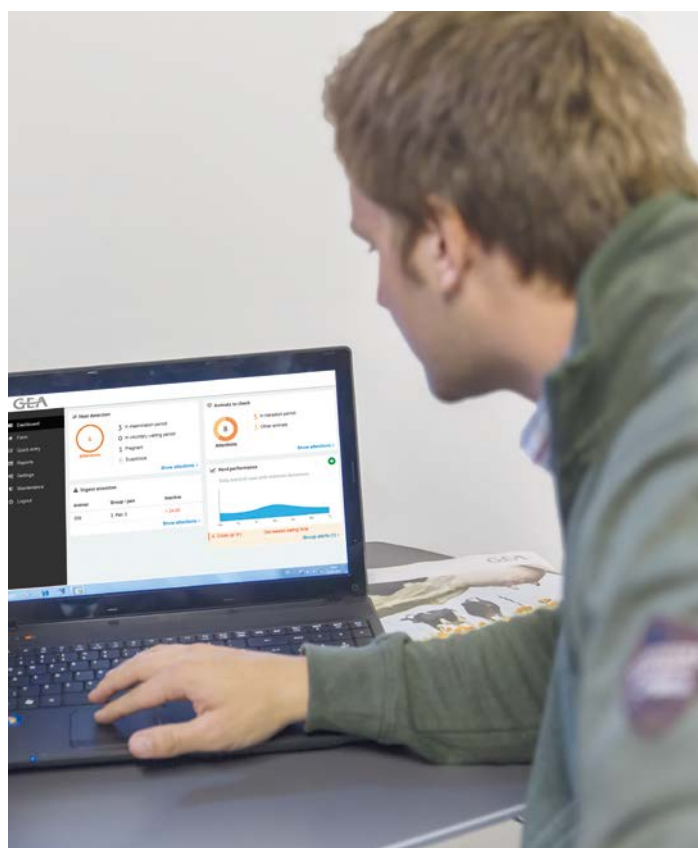
Comfortably and safely

CowScout monitors your cows, so you do not have to: Around the clock, day and night.

FERTIBLE TIMES WITH HEALTHY COWS

Reduce reproduction costs and optimise your cow management while simultaneously increasing the economic success of your milk production.

CowScout reliably tells you when your cows are ready for insemination. Convenient alert functions ensure that you never miss an activity report. A sensor on the neck monitors the cow's movement at all times. It shows you any periods of high activity for each individual animal and, if you wish, even its live location. This gives you an excellent basis for successful fertility and health management!





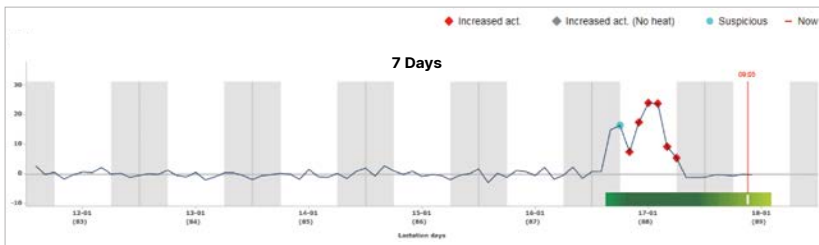
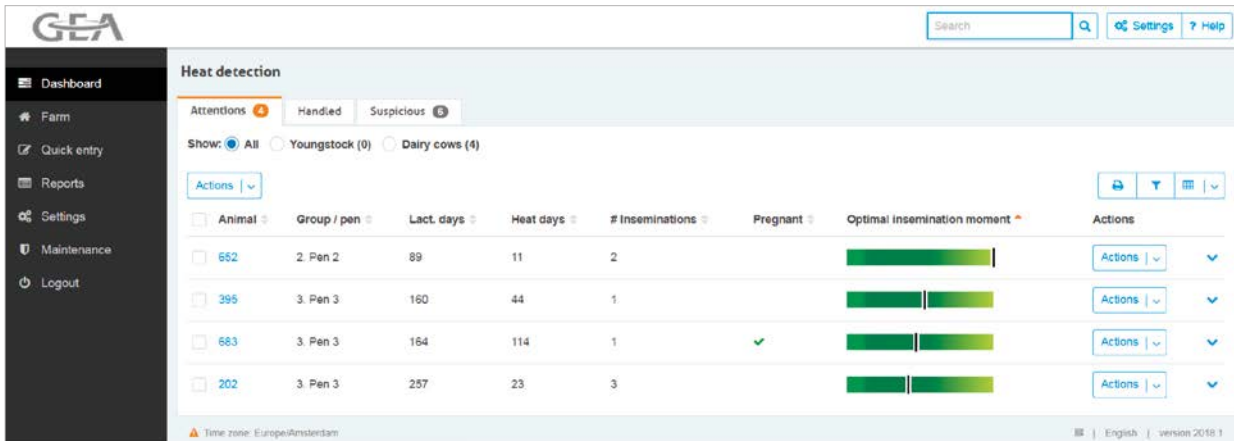
SUCCESSFUL REPRODUCTION

Ideal fertility management – precise and reliable

CowScout works 24/7 to monitor cow activity by identifying neck movements, such as sniffing and chin resting that indicate if a cow is in heat.

With this real-time data, cows in heat can be properly identified, so you and your employees always have the latest information about your cows' fertility. This allows for improved insemination results, higher pregnancy rates, shorter calving intervals and reduced insemination costs – all with lower labor inputs.

All cows in heat at a glance



Example: Heat detection

At first, a suspicious alert (based on 2 x 2 h increased activity) was generated for the cow, which later changed to an alert for actual increased activity (based on 3 x 2 h increased activity). The green bar indicates the optimum insemination time. Here, the cow should have ideally already been inseminated.



KEEP FEEDING UNDER CONTROL

Optimise your feed management

CowScout detects specific movement patterns related to forage intake, recording the time individual cows spend eating. It also records when the animal is regurgitating food and resting peacefully to measure her rumination time. Changes in eating and rumination behavior as well as measurements of activity versus inactivity, may indicate potential health problems. The alert function tells you immediately if the cow is exhibiting

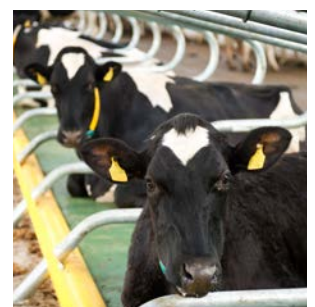
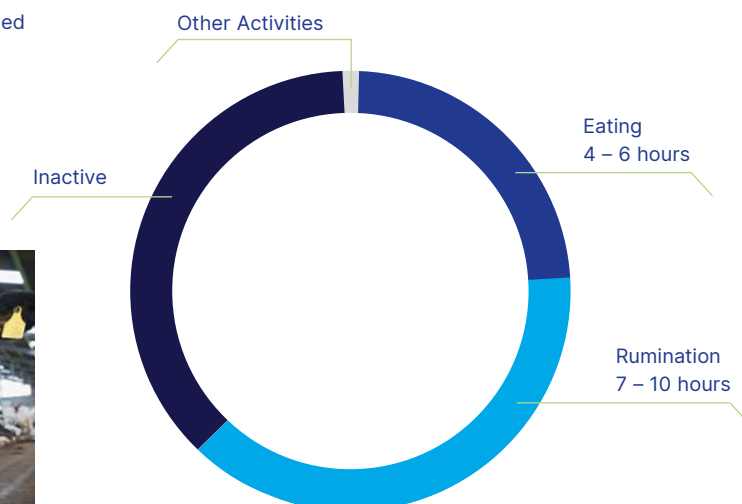
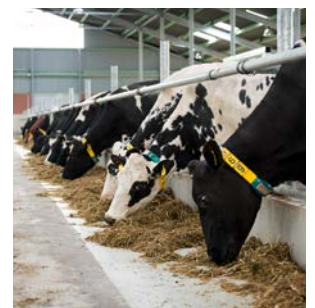
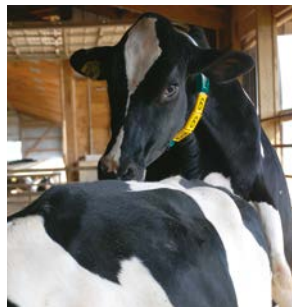
feeding or health problems so that you can react quickly and appropriately. Having both eating and rumination time data allows you to identify sick cows at an earlier date – helping to minimise treatment costs and drops in milk production.

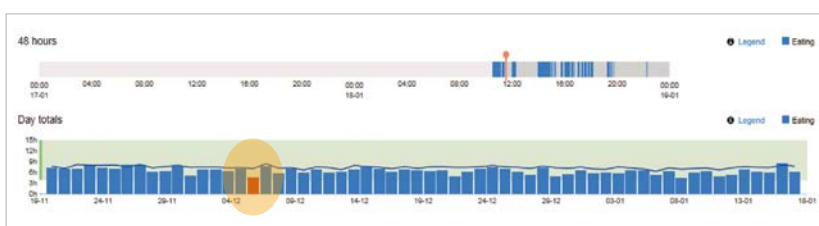
The best basis for a hearty appetite and long-term high performance!

24/7 Monitoring of Cow Behaviour

Exact data

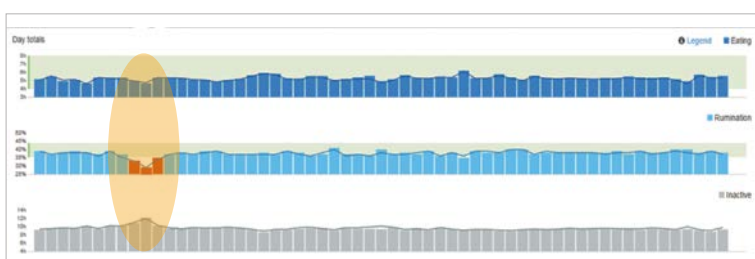
Eating and rumination times combined with inactive times offers the most accurate data for early detection of health problems.





Example: Individual eating time

This cow is spending a significantly reduced amount of time eating compared to previous days and has therefore caused an alert. An immediate professional check of this cow, which calved recently, identifies the early stages of ketosis. As the cow is treated immediately, it can recover quickly.



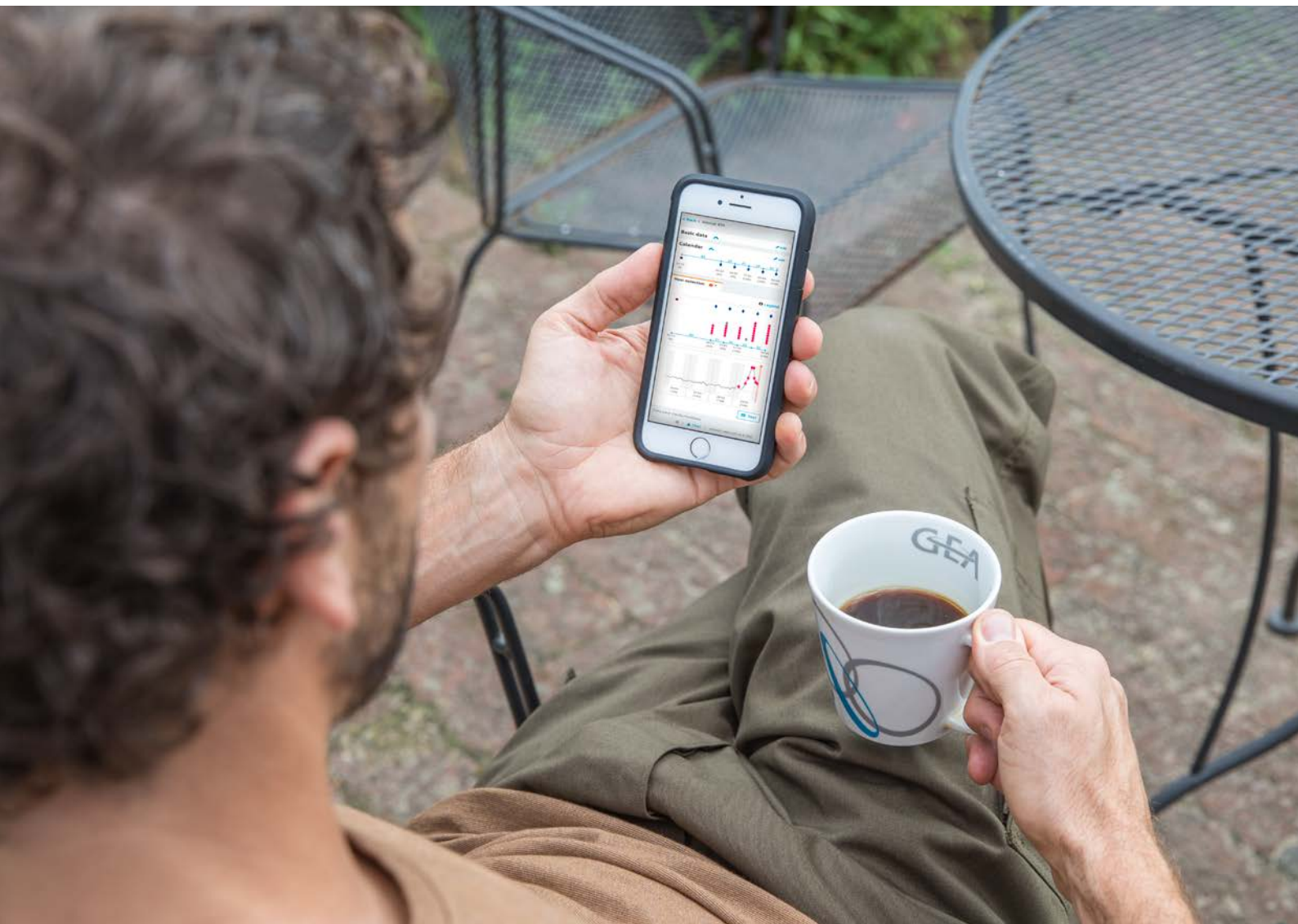
Example: Group eating and rumination time

A group of cows is spending less time eating. Rumination decreased and inactivity increased indicating an error in feed composition. The farm should adjust the TMR ration.

ROUND THE CLOCK EVERYTHING AT A GLANCE

With an internet connection and your PC, laptop, tablet or smartphone, you can gain an insight into your current reproduction data as well as eating and rumination times of your animals.

If desired, CowScout can send the respective alerts directly to you, your staff or insemination technician via e-mail. This ensures that all parties always have the latest information.





Straight from the animal to the screen – Access the latest data on your mobile devices.

- Constant heat monitoring and display of the optimal insemination time
- Notification of reduced eating and rumination times to enable early detection e.g. of health problems
- Reliable animal identification in the milking parlour, selection system and feeding box with proven and reliable ISO technology
- Stand-alone system for flexible use independent of the ISO ID
- Internet connection means that data can be accessed anytime and anywhere
- Clear, easy to understand graphical displays of activities, eating times and lactation phases in the web portal

The right system for every farm

CowScout I

With integrated animal ID function for connecting to a herd management system.

CowScout S

For operations without a herd management system or where electronic animal ID systems are already in place.



**Finally, the search is over.**

With the help of transmitters mounted above the cows' heads inside the barn and the corresponding neck tags, CowScout continuously detects the location of each cow.

COWSCOUT FINDS THE RIGHT ONE...

Do not lose any time, find the right cow at the touch of a button: CowScout keeps an eye on your entire barn and knows 24/7 where each cow is located.

The larger the herd, the more time it takes to find individual animals in the barn – but that only applies if you do the search yourself. Instead, let your CowScout positioning system do the work for you and get rid of time-consuming walks through the barn. Thanks to precise localization, each of your cows is just a click away. Immediately, the cow's position appears visually in your barn overview. Here you can select a specific animal number or an entire group - depending on what is currently

on the agenda. Be it due to an upcoming insemination appointment, a necessary examination and veterinary treatment or an activity message that requires your attention: This way, you as well as your employees, the inseminator and the veterinarian can find the right cow at exactly the right time. Because after all, you don't want to lose any time when it comes to animal welfare and milk yield!



...AND TRANSMITS HER LOCATION IN REAL TIME.

Fast and convenient: CowScout transmits the exact position of single or multiple cows in real time! Follow each cow live as it makes its way through the barn. Whether using a PC, tablet or smartphone – on your screen you can keep an eye on the whole herd//you have the full overview on your screen.

With just one click, you will see the animal numbers out of your activity list in the barn map. So if a cow needs your attention, you no longer need to walk through the entire herd looking for it. You will directly find the right one. Pleasant side effect: This also means less stress for the cows!





The cow's live location of at your fingertips

- Simplifies daily work and saves time: find one or multiple cows with just one click
- Convenient and clearly arranged: display of cow position on the barn map including animal number
- Flexible and mobile: access via PC, tablet or smartphone
- Fast and accurate: faster reaction when action is needed while reducing stress for the cows
- User-friendly and easy to handle: employees, inseminators and veterinarians can use the system on their own
- Fully integrated: practical functions in line with heat detection and health monitoring





Brad Payne, New Zealand

„Every cow is tagged with CowScout and automatically drafted when on heat or showing abnormal eating activity. You can't argue with data; it's been key to better efficiency and more days in milk.“

We are convinced of CowScout!

Christophe Meunier, France

"Before we had CowScout, a visual detection was necessary 3 times a day, in the morning – at noon – in the evening, which took a lot of time. CowScout ensures better heat detection and a more successful reproduction management. We are already noticing a reduction in the calving interval and earlier insemination after calving is possible. As far as feed intake is concerned, the system allows us to detect eating disorders at the right moment. Metabolic problems caused by foreign substances in particular can be prevented, as we are able to react quickly. Thanks to CowScout, heat detection time is reduced and feeding disorders are detected early."

Thorsten Fengels, Fengels KG, Germany

"We use the activity measurement and receive eating time information via CowScout. For me, this means first and foremost: sitting at the screen, evaluating and investigating warnings on the basis of the graphics that are displayed immediately. Very simple, also in use. The least part of the work for me is to actually walk through the herd to see what the cows are suffering from. The expectations in terms of health and reproductive success, especially with regard to heat detection and also the insemination index, have been fully met and even exceeded."

Andreas Kraus, Zuchtbetrieb Kraus GbR, Germany

"In the past, heat detection was only carried out by visual inspection and many things were therefore overlooked. Now, we only pay attention to the CowScout data. Especially cows that look healthy, but consume less food. With CowScout, we can react faster and take counteractions. The data are also absolutely reliable for heat detection. The exact time of insemination is reliably determined."

Richard Tenbrinke, Gracemar Farms, USA

"We installed CowScout a few months before our automated rotary parlor was up and running. The eating time feature is very nice: if a cow isn't eating, we get an alarm to our phone so I can look at her. The system reads every two hours, so you get more accurate heats. I can log in from my phone at any time and click on a cow to find everything I need to know about her."

