

DELAVAL VMS™ V300

YOUR
VMS™
YOUR
WAY



EMPOWERED BY
DeLaval
Plus



 DeLaval

DeLaval VMS™ V300

Flexible performance.

DeLaval VMS V300 is more than just a robot. It is the heart of a milking ecosystem of components, technologies, people and supporting systems designed to revolve around you. VMS V300 works for you, not the other way around. In the way you prefer to farm. Your VMS, Your way.

Designed to **deliver more:**

- More cows milked, faster, gentler and more complete.
- More milk of a better quality.
- More relaxed and healthier cows.
- More relevant information to help you make better informed decisions.

Designed to **deliver flexibility:**

- Flexibility in your setup – free traffic, guided traffic or batch milking.
- Flexibility to your scale of operation.
- Flexibility in your schedule.
- Flexibility in your cows' sizes.

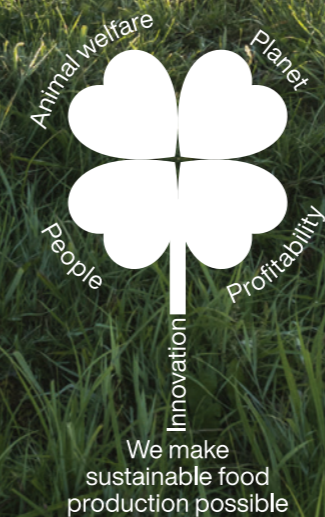
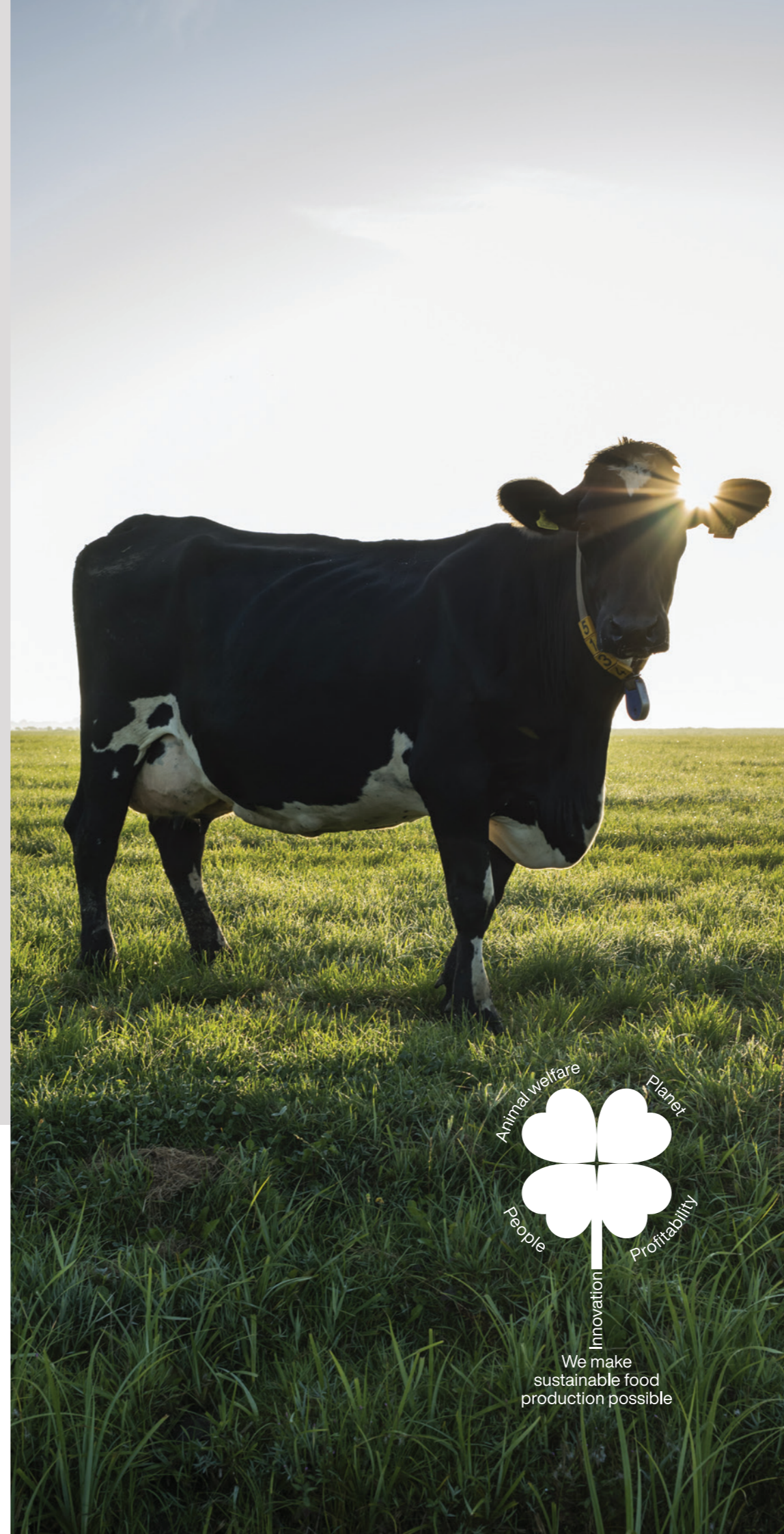
Designed to **unlock performance:**

- Animal welfare performance.
- Reproduction performance.
- Udder health performance.
- Smart, data-driven decision-making performance.

Designed with **sustainability in mind:**

VMS V300 is designed to do more with less. And doing it well. It means helping you to reduce the environmental impact of every litre of milk produced in a way that is good for animals and for anyone working on a farm.

We are continuously innovating to further reduce operational costs and CO₂ footprint, with lower energy and water consumption while improving profitability and having a strong focus on cow longevity in everything we do.



Designed to **help you achieve:**



Animal welfare
Healthier, happier, longer-living cows.



Farm profitability
Every cow milking at maximum economic benefit.



Work efficiency
Every labour hour focused on optimised herd, health and business management.



Food safety
Vastly improved milk quality monitoring and management.

Learn more



More VMS V300 information

Let us help you reach your next level of performance with a milking system customised to what's important to you today, and upgradeable for what you need tomorrow.

Your VMS™ Your Way

With world-leading key features, VMS V300 is our most sophisticated milking system yet. And with a wide range of performance enhancement upgrades, every cow can reach her full performance potential.

Key features

InControl™

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PureFlow™

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Key Features

Our most advanced milking robot ever.



DeLaval PureFlow™

Cleaning, drying and low-vacuum stimulating individual teats in one gentle and effective action while separating pre-milk to a waste container via a separate line – our best preparation process yet.



DeLaval InSight™

Our most advanced camera and software delivers the fastest and smoothest processes of cleaning, preparing, attaching and spraying we've ever created. Self-learning, gentle and quiet for a calm cow experience.



DeLaval InControl™

Control, monitor your VMS™ and track, update or share individual cow data from the palm of your hand, anywhere on-farm and on the VMS itself. Make better decisions with visual reports, analysis and real-time information.



UP TO **40** seconds
Time saved per milking*

Milk faster, gentler and more complete.

Flow-Responsive™ Milking



After PureFlow has cleaned, prepared and stimulated the teats, and InSight has attached the cups, our stable teat-end vacuum technology of Flow-Responsive Milking literally rises to the occasion to help ensure faster, gentler and more complete milking than ever before.



See how Flow-Responsive milking works



▲ **8** litres
Milk yield increase*



We were able to increase milk yield from 32 to almost 40 litres by milking three times a day.*

Helge & Wiebke Selk
Helge Selk farm, Germany
110 milking cows on 2 VMS V300



We save between 30 and 40 seconds per milking, which adds up to an hour more free time per robot per day.*

Jeppe Ulvsbjerg Rasmussen
Ulvsbjerggaard, Denmark
310 milking cows on 4 VMS V300 with RePro™

*Dairy producer testimonials reflect their real-life experience using DeLaval products. Results in testimonials have not been independently verified and DeLaval does not claim the results will be achieved by all users. Actual, individual performance and improvement will depend on a number of factors, including milking practices, type of cows, farm and herd maintenance practices. Testimonials do not constitute warranties or guarantees of service or performance.

DeLaval VMS™ V300 How we milk.

Access and indexing

A cow with milking permission is recognised by and given access to the VMS via her RFID tag and the InControl™ app. The VMS's internal space adjusts to her specific shape and size for comfort, and the correct feed mix is dispensed in the manger.



Cups attachment and milking start

InSight scans and maps the udder in adaptive real-time, allowing fast and accurate attachment, even if the cow moves slightly.

Advanced monitoring

Four ICAR-approved milk meters monitor performance and udder health, and Mastitis Detection Index (MDI) identifies cows showing signs that may require early intervention. These and other advanced sensors work with DeLaval Plus to provide accurate, actionable insights.



Teat spray

InSight's accuracy enables up to 99%* teat spray hit rate while keeping consumption impressively low. To support superior udder health and equipment reliability, our VMS-compatible teat spray products are designed for precision and efficiency.



Automatic milking permission

Automatically adapting to your herd profile, production targets and individual cows, your VMS is tailored to milk every cow at the right moment – helping you to optimise milk production, herd health and operational efficiency.

Teat cleaning and stimulation

Guided by InSight™, historical teat data and real-time mapping, VMS attaches the PureFlow™ cup – cleaning, drying and prepare each teat individually. Pre-milk and wash water are separated, and the PureFlow cup is flushed and dried for the next milking.



Flow-Responsive™ Milking

By keeping the teat-end vacuum stable for every quarter from start to finish, Flow-Responsive™ Milking is designed to milk every cow faster, gentler and more complete – helping to ensure every cow is milking to her full economic potential, without compromising her health.

Smart take-off

Precise data from the milk meter during milking enables quarter-specific cup removal as soon as the flow drops below the set threshold, designed to support healthier teat ends and smoother routines. Smart take-off can additionally remove the last slow-milking cup to boost efficiency.



Exit

After milking, the cow exits the VMS and returns to her group or is automatically sorted to a different area based on management decisions and milk-quality checks. On exit, the VMS automatically cleans the floor if so selected, and flushes and cleans the cups, ready for the next cow.



Turn your milking system into a reproduction management tool.

RePro™

The RePro BioSensor automatically takes progesterone levels from milk samples during regular milking, turning your VMS™ into a reproduction management tool in DeLaval Plus Reproduction Performance RePro. Designed to help you reduce vet costs and improve insemination rates and cow health.



- Automatic pregnancy check
- Detect abnormal reproduction cycles early
- Detect silent heats
- Notification of early abortions
- More productive lactations
- Improve productive life with fewer open cows and reduced culling



▼ **31** days
Reduced calving interval*



With RePro, I reduced my calving interval from 395 days to 364 days.*

Rodolphe Leroy
SCEA la Ferme aux Canards
150 milking cows on
3 VMS V300 with RePro

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Always know how your cows are doing.

Behaviour Analysis



Behaviour Analysis seamlessly integrates into your operation, providing you and your team with 24/7 visibility and oversight of your cows. It helps enhance labour efficiency, improve reproduction outcomes, and boost animal productivity, welfare, and health. The ear tag measures deviations in rumination, eating times, activity and behaviour of each cow.

- Accurate heat detection and best recommended insemination time
- Find sick cows easily
- 24/7 animal localisation

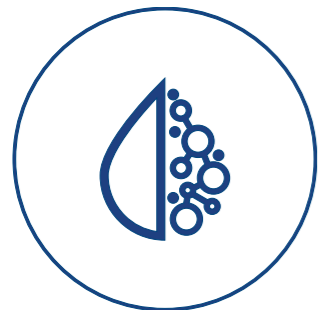




Upgrade your milk quality. With precision.

Milk Cell Analysis

When superb milk quality and early detection of signs indicative of mastitis are important to you: Milk Cell Analysis is an ultra-precise, real-time somatic cell count sensor that integrates with DeLaval Plus – putting accurate, actionable information at your fingertips. Milk Cell Analysis aids you in milk quality control, and udder health and disease risk management. You control the SCC tests your herd receives, from always on to scheduled or event-triggered, and everything in between.



Milk Solids Analysis

Milk Solids Analysis is a high-precision, non-invasive and real-time fat, protein and lactose sensor that measures, monitors and reports on milk composition. It aids in your feeding management and assist in the early detection of metabolic imbalances that may indicate mastitis and ketosis. Combined with DeLaval Plus and Milk Cell Analysis, and your good herd management and farming practices you can maximise your profitability with our most complete milk quality management suite yet.

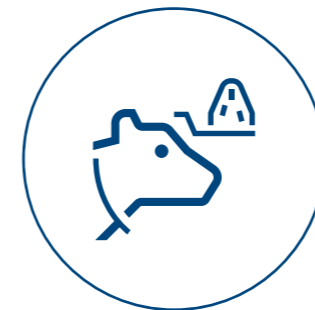


Accurate feed planning = improved everything.

Body Condition Scoring

Body Condition Scoring is an automated system for monitoring the body fat reserves of dairy cows using a ToF camera. It provides daily, consistent, and accurate scoring, eliminating the guesswork and potential inaccuracies of manual evaluation.

- Helps improve herd health by detecting cows that show signs that may indicate risk of ketosis
- Tracks body condition score trends during lactation to support reproduction and feeding decisions



Thanks to Milk Cell Analysis, we no longer miss a single mastitis case, and more importantly, we now immediately see cows with subclinical mastitis that previously went undetected.*

Arjan & Theo van Houten,
Lekku, The Netherlands
400 cows on 6 VMS™ V300 with Milk Cell Analysis

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Enhance performance with BioSensors

Interested to know more about how DeLaval can support you to enhance your performance?



The BCS camera gives you an accurate result and allows you to identify the animal earlier if something is wrong.*

Elias Dilger
Dilger OHG, Germany
240 milking cows on 4 VMS V300



Batch or voluntary, free or guided cow traffic, pasture or barn, you decide.

Cow-flow

VMS™ offers flexible options to suit your goals and management style. Whether you want cows to move freely to and from the robot, prefer a more structured system to manage cow flow, or are exploring batch milking for its labour efficiency and herd management, you can build a cow flow and feeding system around your farm needs and preferences.

- Free flow
- Guided flow
- VMS Batch Milking



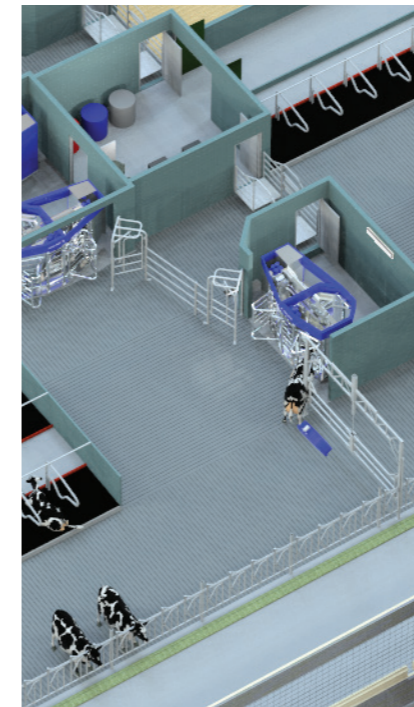
This system has greatly improved our daily routine. Whereas we used to need 2.5 people to milk, now one person can handle the task.*

Willem and Johan Loonen
De Boterpot, The Netherlands
500 milking cows on 11 VMS V300 Batch Milking.

▼ 1.5 people
Fewer required to milk*



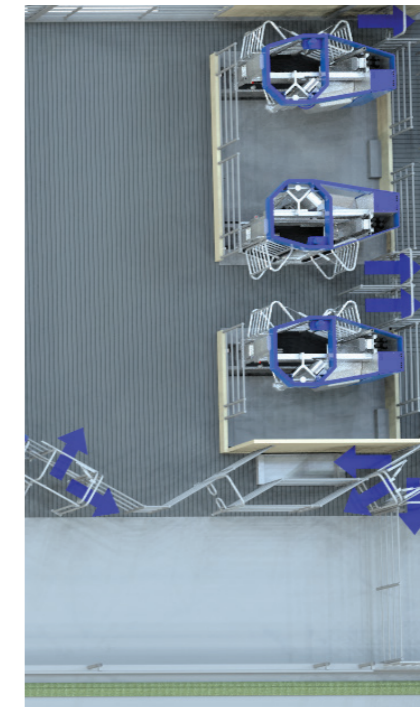
Free cow traffic



Simple open design

If you do not have the labour handy to fetch cows, a free traffic system is good for retro-fits and freedom of cows. Our planning teams will assist you in meeting robot performance goals by balancing robot pellets with PMR and guidance on the specific layout for post-sort options.

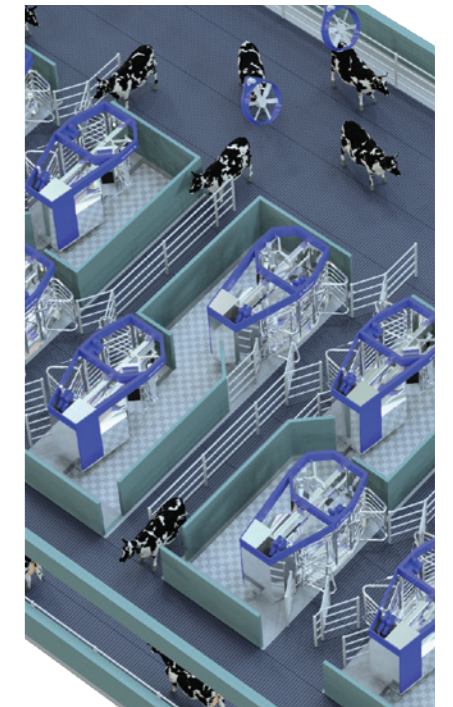
Guided cow traffic



Milk first or Feed first

Reduce the cow-fetching schlep with a guided traffic system. DeLaval's advisory and planning teams will assist you to retrofit and/or new build your barn to optimise VMS, whether with gates to direct traffic to VMS or feed and great post-sort options.

VMS Batch Milking



Automatic milking in a conventional farming system

With robots replacing the labour of milking, one sort pen and the same group pens, a VMS batch milking setup with the robots in the milking centre allows consistency, data and up to 8 cows per hour per robot.



Interested to know more about VMS Batch Milking?



A virtual visit to DeLaval VMS farms





Performance delivery. Easy as 1-2-3.

Tailor-made for you and your farm, your performance plan empowers you with the peace of mind of knowing your performance partner has your back. Every step of the way.

Select and customise the services your farm's performance demands from InService, Advisory and DeLaval Plus services.

1 DeLaval InService™ Long term performance is all-included

Your VMS™ ecosystem requires maintenance, servicing and replacement of oils, filters, liners, detergents as well as regular cleaning to keep it performing at the level you demand. Select the InService contract that meets your performance goals.

2 DeLaval Advisory Services Remote and on-farm advice

Choose what, how much and how often you need assistance from a variety of people, animal and milking system performance reviews, data analysis and advice for optimised performance opportunities.

Push your performance with actionable insights.

3 DeLaval Plus Your Performance Portal

DeLaval Plus is a set of digital services that turns farm data into easy-to-understand insights, empowering you with the tools to make fast, accurate, and actionable decisions that benefit your animals, your workforce, and your profitability.

- Manage your farm, herd and systems from one secure web-based portal from anywhere on any device
- Use artificial intelligence to predict future states of animal health
- Continuously updated and improved
- Intuitive, user-friendly interface and navigational structure focused on all the data you need, nothing you don't
- Customise your goals, and benchmark and track your performance
- DeLaval Plus services and applications enable seamless communication between the VMS and the BioSensors discussed in this document



Order online
Scan the code to apply for DeLaval Plus online and open your performance portal.



We use Disease Risk every day to find sick cows. For finding mastitis it's spot on, we love it!

Paul Smith
Home farm, United Kingdom
130 milking cows on 2 VMS V300 with RePro™

VMS™, cow longevity and farm profitability.

Happy cows live longer

When cows stay healthier for longer, farmers can benefit from stronger profitability – and the environment benefits too.

To help ensure cow longevity, excellent care from birth is crucial. Minimising the risk of disease and maintaining a balanced reproduction regime adds to this.

The four focus areas to maintain a highly productive lifetime are:

- Reproduction
- Udder health
- Hoof care
- Milk production performance

VMS V300 and cow longevity

The nature of voluntary milking means cows on VMS follow a more natural behaviour and are more relaxed. VMS additionally empowers farmers with the insights to act early and decisively on matters that impact animal health and welfare.

VMS provides:

- Gentle and consistent milking that helps protect udder health.
- Early detection of health and welfare risks
- Automated pregnancy checks and heat detection with DeLaval RePro™
- Low-stress and cow-driven routines that support overall longevity.



New VMS V300 barn on Hamra farm

Cow longevity is at the heart of what we do at DeLaval. That's why, at Hamra Farm, we have designed the new VMS barn with one goal in mind: helping cows live long, productive lives.

It is reflected in every detail of the barn layout, herd management system, ventilation, resting areas and walkways – all to create an environment where cows can thrive for years.

- OptiMat™ feeding system for high feed efficiency.
- Clean, healthy hooves thanks to DeLaval robot collectors.
- DeLaval cow cooling system to prevent heat stress and sustain production.
- Improved reproduction powered by advanced BioSensors and AI.
- Clean, dry and comfortable bedding.



Learn more about
DeLaval and
Cow Longevity



We live milk

**Connect with your
DeLaval representative for
more information about
farming your way.**

DeLaval does not claim that the results reflected herein are typical and this information does not constitute a warranty nor guarantee of service or performance. Actual performance and improvement will depend on a number of factors, including milking practices, type of cows, farm and herd maintenance practices.

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