



**Nedap**

# More choice for smarter herd control.

The world's leading cow  
monitoring platform.

Improving life on the farm

 **nedap**



The Nedap Story

# Improving life through intelligent technology since 1929.

**Founded in the Netherlands in 1929, Nedap has grown into a leading global technology company with a clear purpose: “Technology for Life.” From the very beginning, Nedap has developed smart, people-centred solutions that use data and automation to make professional environments – from healthcare and retail to agriculture – more efficient, sustainable and meaningful.**

In livestock, this purpose takes shape as Nedap Livestock, beginning in the 1970s with the goal of improving life on the farm. By turning reliable cow data into smart, automated solutions, Nedap enhances animal welfare, reduces labour pressure and supports efficient, sustainable farming – helping farmers make better decisions every day.

Starting with electronic identification and automation for dairy farms, Nedap’s livestock solutions have evolved into a suite of accurate, durable and easy-to-use cow monitoring technologies. Today, Nedap is trusted by tens of thousands of dairy farmers worldwide to manage more than 8 million cows, delivering real-time insights into health, reproduction, behaviour and locomotion.

By combining proven on-farm hardware with intelligent software, Nedap continues to help farmers work smarter – demonstrating how its global technology expertise creates real impact, from professional environments to farms around the world.

# Nedap cow monitoring platform.

Start today. Grow tomorrow.

Today, Nedap is trusted by tens of thousands of dairy farmers worldwide to manage more than 8 million cows. Nedap's cow monitoring platform delivers real-time insights into every cow's reproduction, health, productivity and locomotion – plus your overall farm operations. Reliable hardware and smart software deliver proven performance day after day, in any conditions.

The platform is easy to install, integrate, and scale, with intuitive, customisable software that turns data into powerful insights – without extra complexity. Flexible options let you choose the sensors, add-ons, integrations, partners and payment plans that suit your farm, while everything works seamlessly together, including third-party systems and automation.

Future-proof technology ensures your platform evolves with the latest innovations in dairy farming.

**Your herd. Your choice.**

## Sensors

Keep an eye on every cow with smart, reliable sensors that work for you.



**SmartTags Neck / Ear**  
Behaviour



**SmartSight**  
Locomotion



**SmartFlow**  
Production

## Insights

Make smarter decisions and improve results with advanced insights.



Reproduction



Health



Locomotion



Productivity



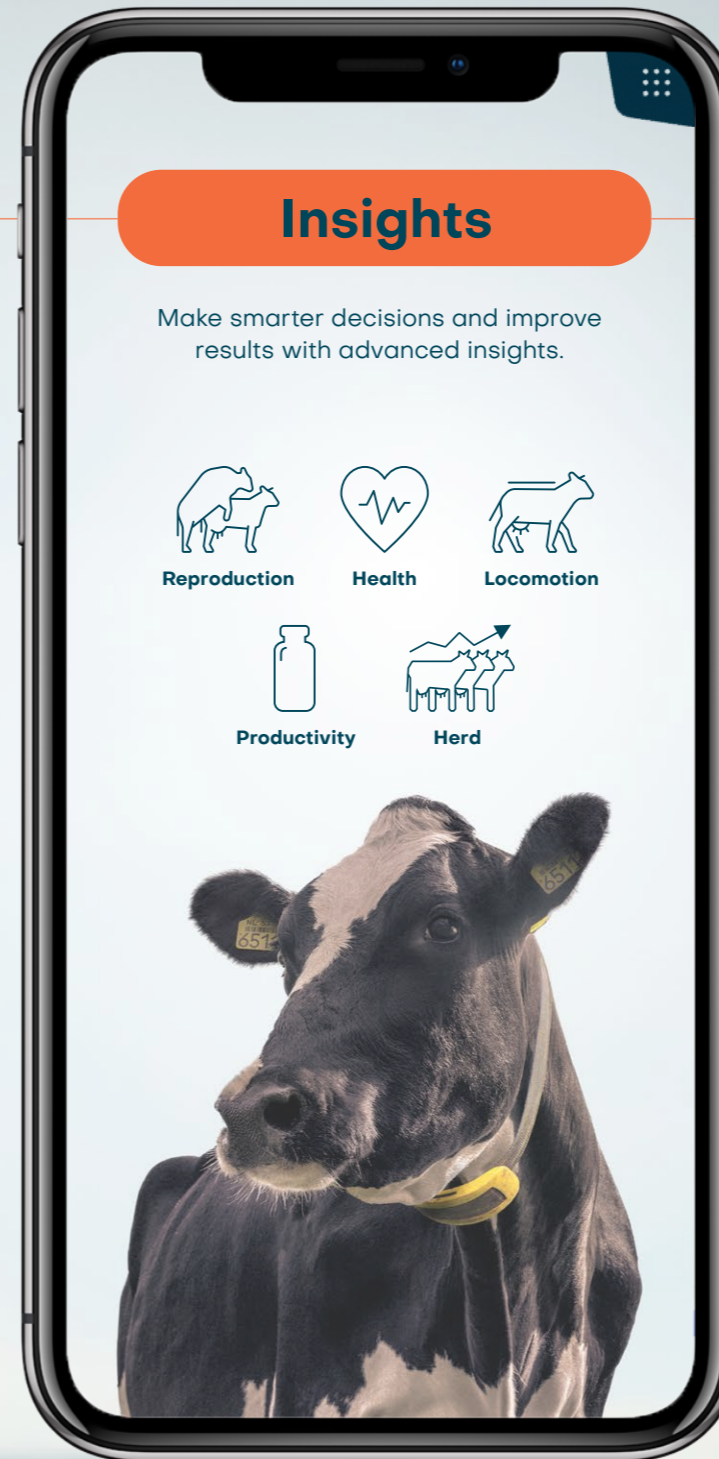
Herd

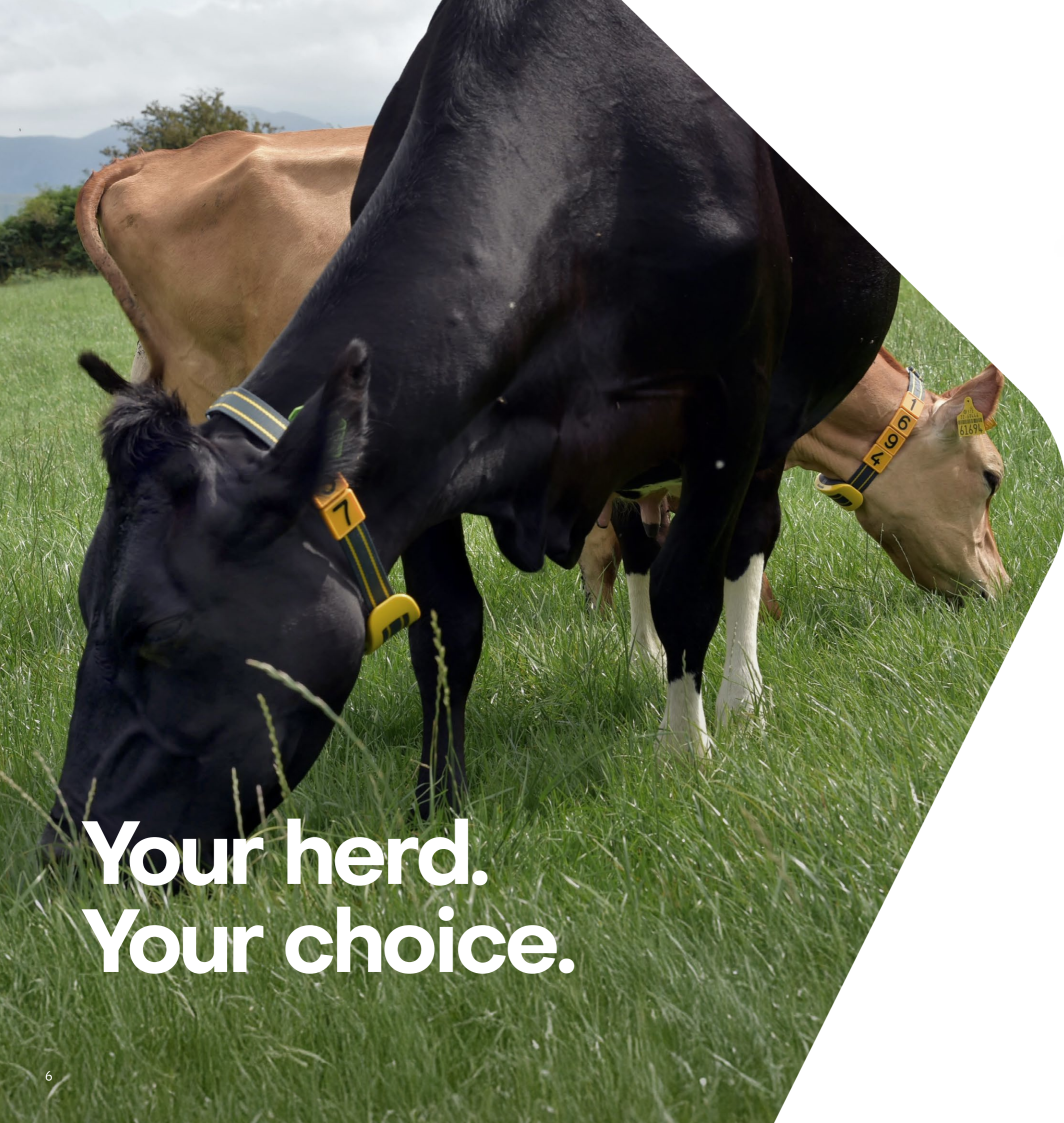
## Automation

Bring your insights to practice with automated actions.



**SmartSort**  
Drafting





Your herd.  
Your choice.



## SmartTags

### Behaviour monitoring

#### More choice for smarter herd control with Nedap's SmartTag Neck and Ear.

Get complete, actionable insights into the reproduction, health and behaviour of your herd. With no compromise on performance, reliability or durability.

Nedap technology is trusted by tens of thousands of farmers to manage more than 8 million cows worldwide. Our SmartTags give you the freedom to choose what works best for your farm. Go for the small and lightweight SmartTag Ear, choose the durable SmartTag Neck with built-in RFID, or use a combination of both within the herd. Nedap gives you the freedom to match cow monitoring to your herd and workflow.

#### Benefits at a glance:

- Real-time heat and cycle monitoring to improve conception and detect issues early
- Track behaviour and activity to spot health problems before they escalate
- Insights at herd and group level to boost productivity and efficiency
- ISO-compliant RFID for reliable cow ID across sheds and gates
- Proven accuracy farmers trust
- Seamless integration across the Nedap cow monitoring platform.

# The most trusted herd insights. The way you want them.



Reproduction

### Never miss a heat or repro issue again.

Automatically monitor key heat signs - like increased activity, sniffing, chin resting and mounting - for accurate, real-time insights into each cow's cycle. Easily identify cows in heat and their optimal insemination timing to maximise conception rates and minimise empty days. Access detailed reproduction data to spot irregular heats, non-cycling and non-pregnant cows.



Health

### Spot issues early. Act faster.

Track eating, rumination, inactivity and behaviour patterns to catch health issues early - before they escalate. Compare individual and group behaviour to optimal standards for the earliest, most reliable health alerts. Quickly identify cows needing attention, monitor transition cows closely and support faster post-treatment recovery.



Herd

### Make better calls, every day.

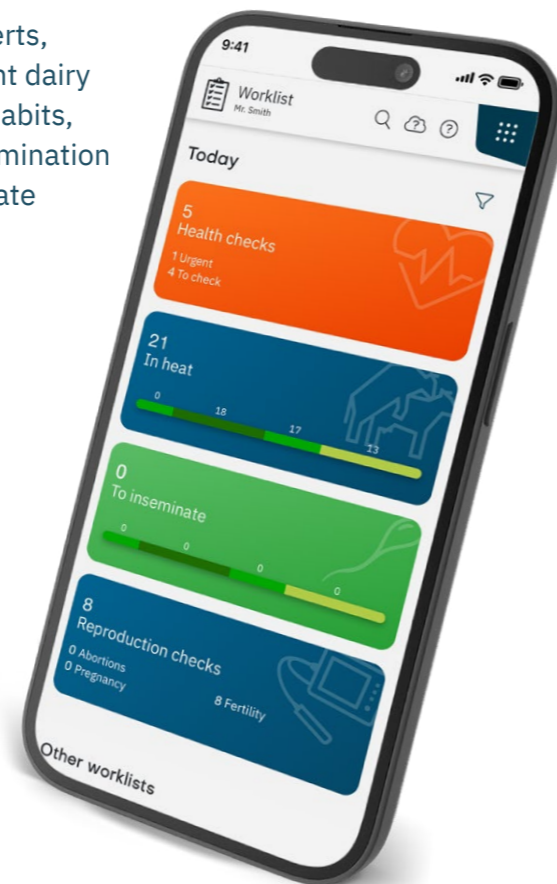
Utilise full herd and group insights and alerts, to help you run a more productive, efficient dairy operation. Strategic reports track eating habits, behaviour consistency, cycling rates, insemination results and heat stress - so you can evaluate and fine tune your farming operation.



Identification

### Identify cows with the same tag.

Choose Nedap's proven, ISO-compliant RFID tag, to identify cows in your shed, sort gates and more. All in one tag.



Identification is only possible with the SmartTag Neck.

# Neck or Ear

With one tag per cow, choose the SmartTag Neck, Ear or a combination of both within your herd.



Functionality	Feature	Neck IFER4	Ear FER4
System	Offline (back-up) function	Yes	Yes
	Multi farm/site support	Yes	Yes
Tags	Tag lifetime	8-10 years	7 years
Identification	ISO compliant EID	Yes	No
	Battery independent	Yes	No
Reports	Standard and custom reports	Yes	Yes
Roles	Assign roles and user rights	Advanced	Advanced
Reproduction	Heat detection	Yes	Yes
	Heat index / score	Yes	Yes
	Optimal insemination moment	Yes	Yes
	Abortion alert	Yes	Yes
	Irregular heat alert	Yes	Yes
	Non Cycling alert	Yes	Yes
Health	Rumination time	Yes	Yes
	Eating time	Yes	Yes
	Inactivity time	Yes	Yes
	Health alerts	Yes	Yes
	Gradual decrease eating/rumination alert	Yes	Yes
	Urgent attentions	Yes	Yes
	Health index / score	Yes	Yes
	48-hour activity barcode	Yes	Yes
	Custom worklists	Yes	Yes
	Custom Health Alerts	Yes	Yes
Group / herd	Herd consistency Index	Yes	Yes
	Herd Health alerts	Yes	Yes
	Herd eating pattern	Yes	Yes
	Herd rumination pattern	Yes	Yes
	Herd inactive pattern	Yes	Yes
	Herd Performance Index	Yes	Yes
	Herd Cyclicity Index	Yes	Yes
	Seasonal: # of cows inseminated	Yes	Yes
	Seasonal: # of Non>Returns	Yes	Yes
	Heat Stress	Yes	Yes



Scan the QR code to find out more about SmartTags.

**“Having that flexibility to just go, ‘Righto, we’re going away for a weekend,’ and being able to get that balance is really important to us.”**

Ian Powell, Inglewood



Scan the QR code to read the full story.



**Because  
every step  
counts.**

## SmartSight

### Locomotion monitoring

#### Early lameness detection with AI-powered vision technology.

Lameness is one of the most underestimated challenges in dairy farming. Around 90% of dairy cows experience lameness at least once, making it a leading cause of involuntary culling and lost productivity. It affects walking, eating, fertility, recovery and overall welfare.

Early detection is key. The sooner lameness is identified and treated, the smaller the impact. Nedap SmartSight automatically monitors each cow's locomotion multiple times per day using AI-powered vision technology. It detects subtle signs of lameness, often before they are visible, and provides reliable insights into locomotion, treatment and recovery.

SmartSight will be available in New Zealand by end of 2026.

#### Benefits at a glance:

- Faster action and targeted treatment
- Fewer severe cases
- Shorter treatment times
- Lower costs
- Preserved milk yield and fertility
- Improved cow health and welfare.

# Why tackling lameness matters more than you think.

## Is lameness impacting your bottom line?

Around 90% of dairy cows suffer from lameness, once or often multiple times in their lifetime. It's among the top three reasons for involuntary culling, accounting for 15% of all dairy cow culls worldwide.

That's no coincidence. Lameness affects almost every vital function – from walking and eating to heat expression and recovery.

### The damage?

- Direct costs for treatment and additional labour
- Lost revenue due to 10–30% lower milk production
- Premature culling
- Reduced fertility
- Increased risk of other health issues
- Lower animal welfare outcomes

The financial impact can be significant, with an average cost of \$8.00 per lame cow per day, based on an average yearly incidence rate of 50%.

Yet lameness remains one of the most underestimated challenges on farm. Many farmers believe only 5–10% of their herd is affected, when the reality is closer to 20–25%. Sound familiar?

## Make every step count.

### The good news?

Most lameness damage is preventable. The sooner you detect and treat it, the smaller the impact. And the truth is: many farmers want to act sooner, but lack time, labour and objective signals or data to follow proper hoof care protocols.

### With Nedap SmartSight, that changes.

It automatically monitors each cows' locomotion multiple times per day, using AI-powered vision technology. It detects subtle signs of lameness – even before they are visible – and provides reliable insights into locomotion scores, treatment and recovery.

### The result?

Faster action and targeted treatment, ensuring:

- Fewer severe cases
- Reduced treatment time and costs
- Preserved milk yield and fertility
- Improved cow health and welfare.



# How it works.

SmartSight monitors each cow's locomotion at every milking. The system is easy to use and simple to apply within almost any farm setup. It's proven through years of on-farm use, data analysis and machine learning. And, it's powered by Nedap's trusted cow monitoring platform.



## 1. ID

The cow is identified passing through the milking shed entrance, exit, race lane or sort gate – using Nedap's proven SmartID or possibly by integrating your existing shed ID.



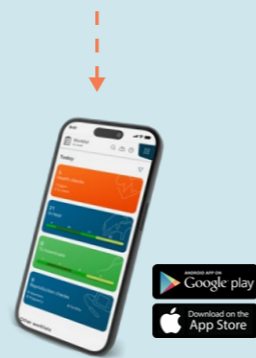
## 2. SmartSight camera

The top-view 3D camera scans her body and movement patterns at each milking, every day. It's capable of scoring 1000+ cows per hour, without interrupting cow flow.



## 3. AI-powered software

Camera observations are turned into locomotion data and insights through AI-powered software. Data is processed on-farm without storage, so your privacy is covered.



## 4. Insights in Nedap Now

Lameness checks, recovery insights and locomotion scores are presented in a user-friendly way within Nedap Now. Accessible anytime, anywhere via PC, smartphone and the Nedap Now app.



# Locomotion monitoring: features unpacked.

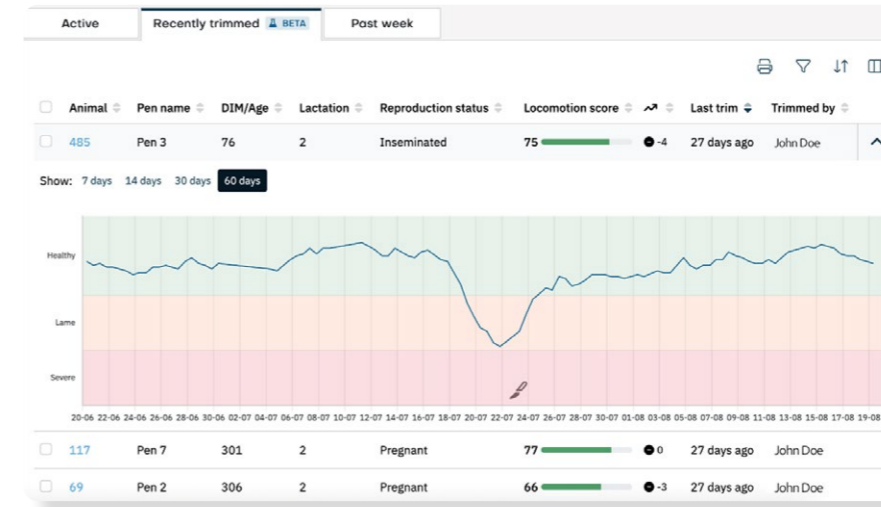
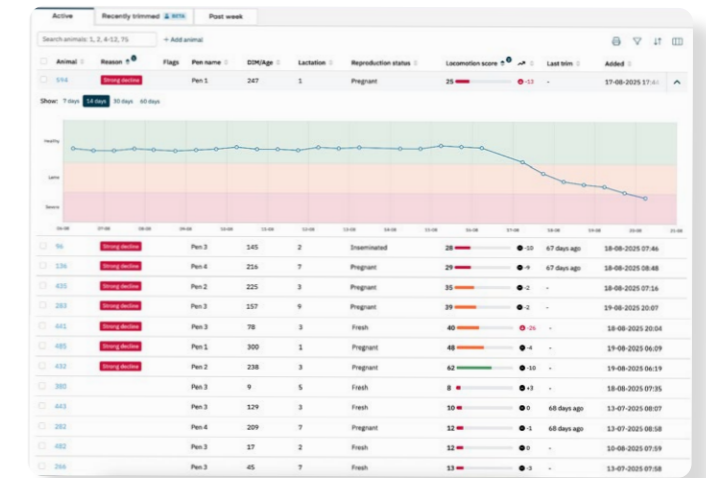
## Lameness checks

### What do you see?

A worklist with cows that need a hoof inspection. Cows are ranked based on priority.

### Why it matters

Early detection and prompt, effective treatment is the key to improve hoof health outcomes. The lameness checks list is the tool for early detection.



## Recovery

### What do you see?

Trend in locomotion scores for cows that have recently been treated.

### Why it matters

Monitor if the locomotion of the cow has improved and thus the treatment has been effective. Gain insight on cows that might need a recheck.

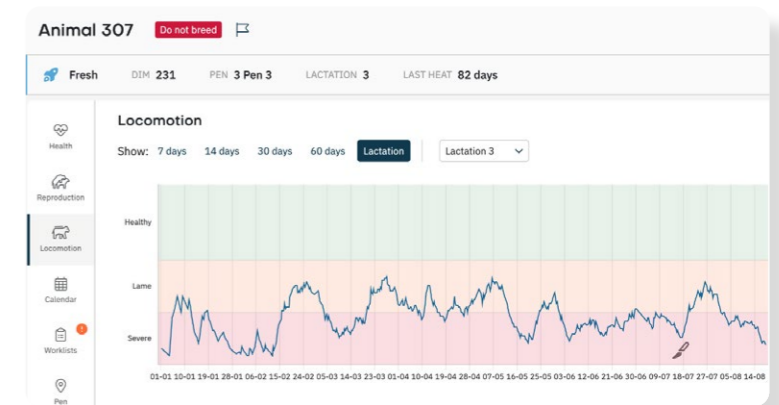
## Locomotion score

### What do you see?

A graph with the locomotion and treatment events of an individual cow over time.

### Why it matters

It assists the farm staff with all the hoof health information for a cow in one place.



Scan the QR code to find out more about SmartSight.

**“When we installed the SmartSight system, one of the most impressive things about it was, it was picking up cows that we wouldn’t have considered lame.”**

Joe O’Grady, Ireland



Scan the QR code to read the full story.



**Add intelligence  
and automation to  
your milking shed.**

## SmartFlow

### Production monitoring

Smarter milking starts here. Add intelligence and automation to your milking shed to streamline your milking flow and maximise your outputs. SmartFlow delivers clear, real-time insights, so you can run a more consistent, efficient milking routine and support happy, healthy cows.

#### Benefits at a glance:

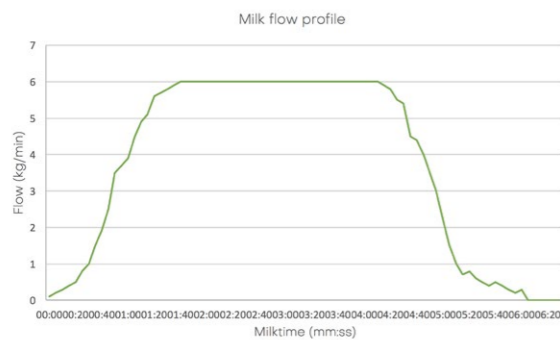
- 100% freeflow supports true free cow traffic, allowing cows to move voluntarily through the shed and helping maintain a calm, consistent milking flow
- Wireless operation reduces cabling requirements, enabling flexible placement and simpler setup in both new and existing sheds
- Milker-friendly system designed to fit seamlessly into everyday milking routines, reducing manual gate handling and allowing milkers to focus on cows
- Robust and reliable hardware, built for demanding dairy shed environments, with durable components designed for dependable day-to-day performance
- Easy installation and integration with Nedap livestock management systems, without major shed modifications
- ICAR certified for accuracy, reliability and performance in livestock management systems.



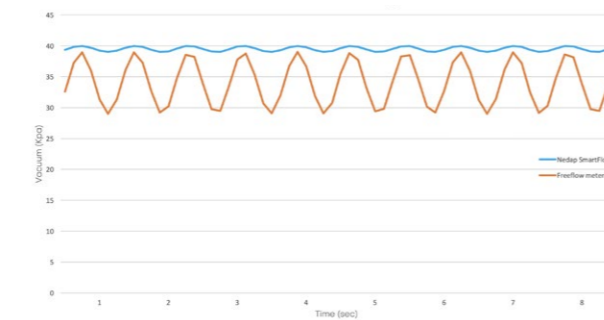
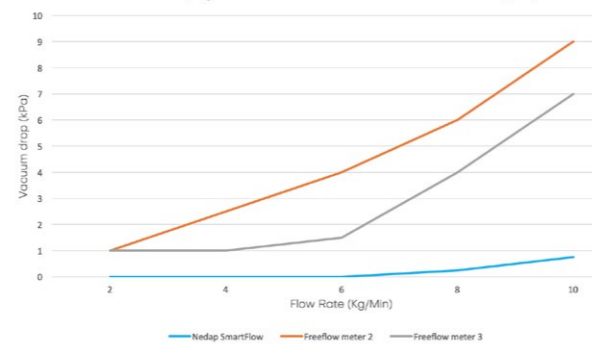
## Smarter milking starts here.

The SmartFlow measures and registers the milk yield and flow rate of individual cows during each milking with the highest accuracy. It empowers dairy farmers and their teams with real-time management information by providing operational and strategic insights into the performance of individual cows and groups.

**Continuous and completely free milk and air flow.** The mechanical geometry and electronic recording principle of the SmartFlow are designed for a continuous and optimally free milk and air flow. No flow obstruction or interruption occurs that could cause a vacuum drop, vacuum fluctuation or rough treatment of the milk. As a result, cows are milked more gently and completely and udder health improves. It also leads to higher milk quality with less free fatty acids.



They are presented within the interface of Nedap's cow monitoring platform in a user-friendly way and can be integrated with other farm automation systems and dairy management programs. These insights help farmers to identify bottlenecks, make better informed decisions and have strategic insights to continuously improve productivity and profitability.



Vacuum fluctuations at flowrate 6 kg/min of the Nedap SmartFlow compared to a conventional freeflow milk meter. ▲



### SmartFlow

The wireless SmartFlow milkmeter records the milk yield and flow rate of individual cows with the highest accuracy.

## Get the most out of your cows and time.

Set your farm up for the future. Nedap's breakthrough technology helps you increase production, animal welfare, milk quality and ease of work. Find out how.

### Optimise cow comfort, udder health and milk quality.

With a smooth, unrestricted milk and airflow through the meter, there's no teat-end vacuum swings or flow issues. That means cows stay comfy while milking, their udder health stays in top nick, and milk quality stays right up there where it should be.

### Increase production and cow health through data and insights.

The SmartFlow milk meter from Nedap is a powerful tool that gathers accurate milk yield and flow data from every cow, every milking. It gives you valuable insights into each cow's performance and health, helping you make smart management decisions to keep every cow and the whole herd in top condition and producing at their best.

### Get insight at the blink of an eye. Have full control at the touch of a button.

Through the Nedap Now software, you get the insights needed at the blink of an eye and control vital milking and shed processes at the touch of a button. This makes milking as easy, fast and enjoyable as possible.

### Milk faster and more efficient.

A 100% free flow, ensures the fastest possible milking process, even with fast milking cows. For maximum efficiency, the milking control solution accurately monitors the milk flow and milking process to smartly automate cluster take-off, adaptive pulsation and stimulation. It also provides valuable insights to optimise milking shed performance.



Scan the QR code to find out more about SmartFlow.



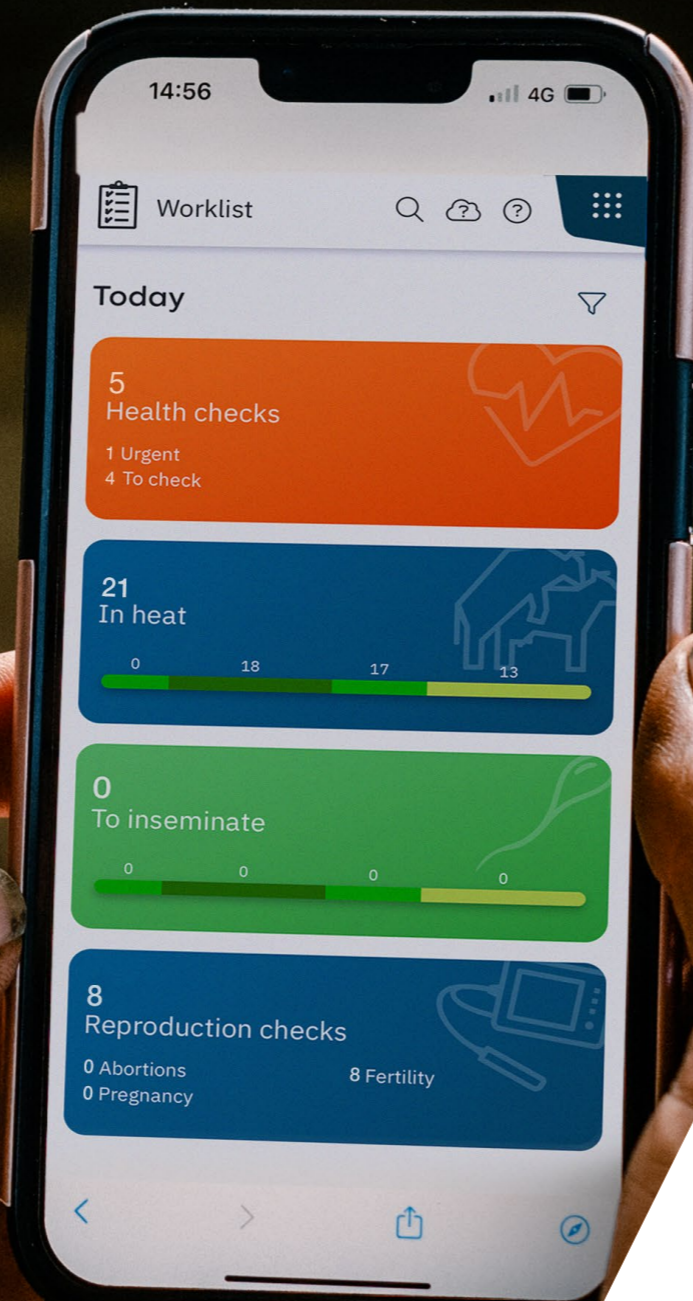
**“Nedap SmartFlow has improved our milk time, so we can spend time on other things around the farm or with each other.”**

Austin Webster and family, United States



Scan the QR code to read the full story.

More  
insights.  
Better  
decisions.  
Improved  
results.



## Nedap Now Herd insights

**Real-time herd insights for smarter, faster decisions.**

Nedap Now is the cloud-based software and app for Nedap solutions. It combines the proven accuracy, delivering real-time herd intelligence anytime, anywhere via PC, smartphone or app. It combines the proven accuracy of Nedap's cow monitoring system with the power and scalability of the cloud.

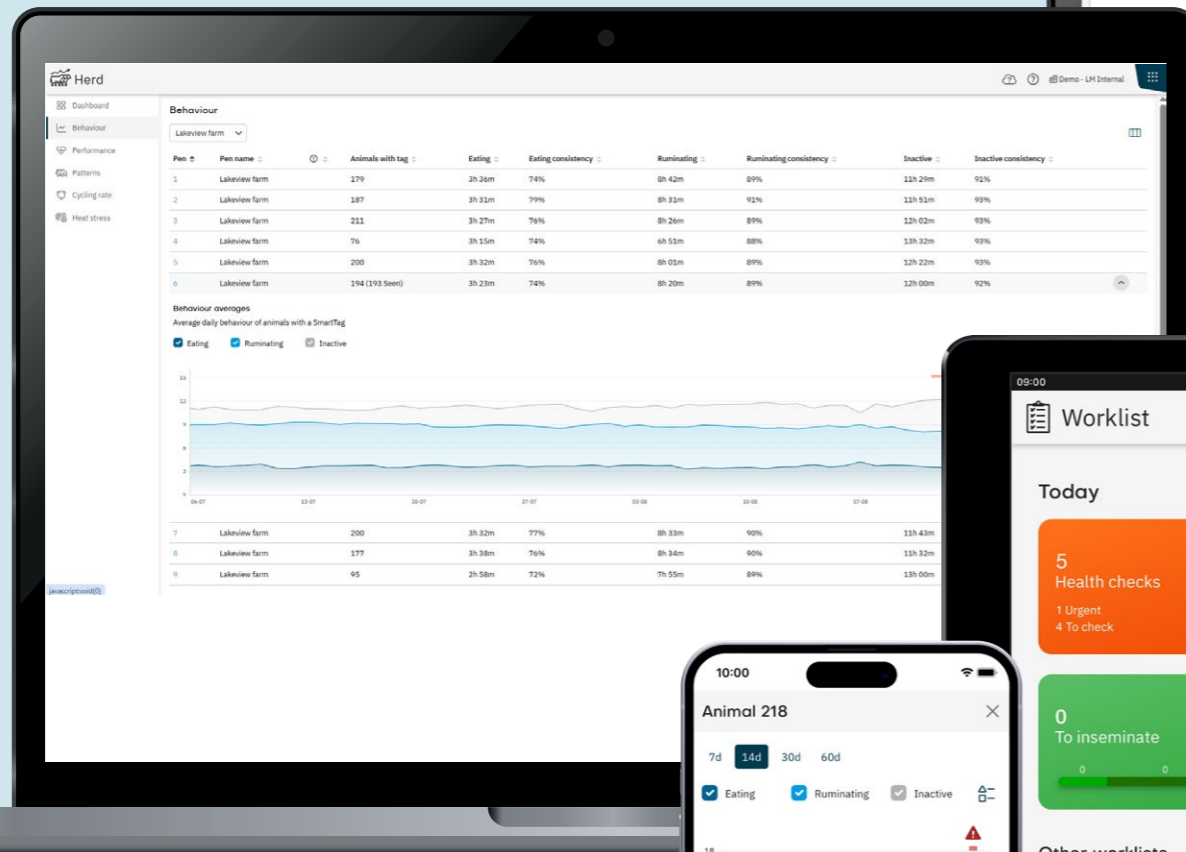
### Benefits at a glance:

- Access data 24/7/365 from anywhere
- Attain seamless integration with herd management systems and third-party stakeholders
- Access more historical data over longer periods of time
- Create customised work lists with relevant insights for each team member
- Allow selective access to data for team members or third-party consultants
- Combine multi-site data in one spot for improved analysis and insights
- Quickly identify anestrous cows or potential pregnancy losses.

# Key insights

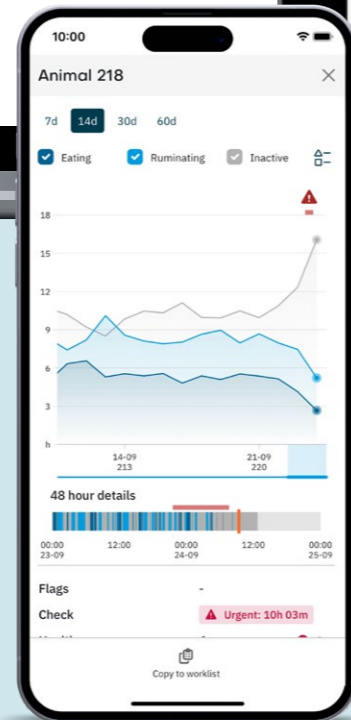
## Herd

Individual and herd insights into behaviour, cycling rates, insemination results and heat stress.



## Health

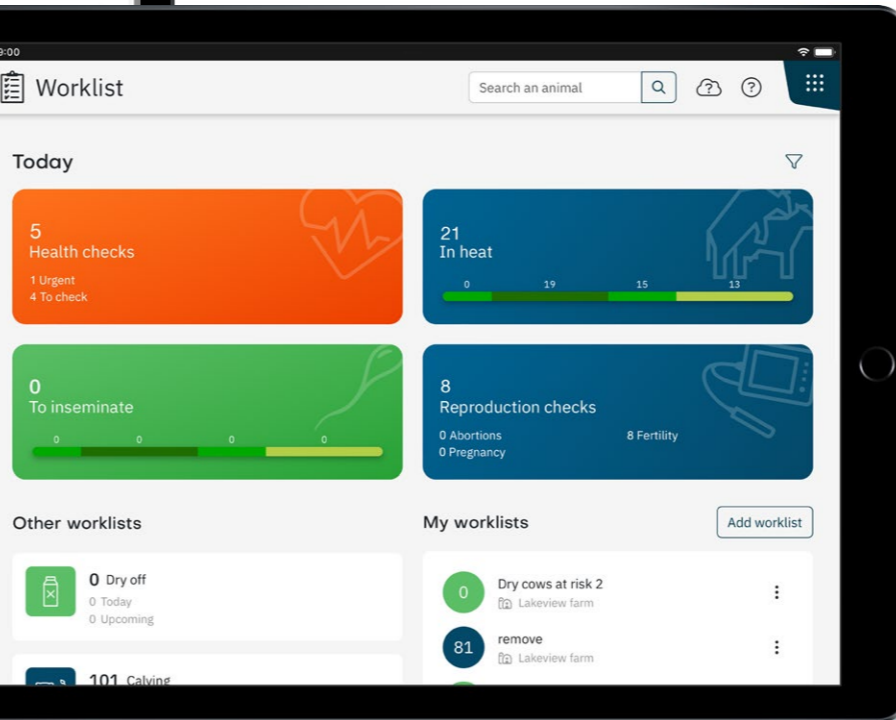
Immediate alerts and clear overviews of cows showing abnormal behaviour, supported by health scores and trends.



## Reproduction

A prioritised list of cows in heat with unique heat scores and guidance on optimal insemination timing, plus insights to identify irregular heats and non-cycling cows.

Active	Past week				
Search animals: 1, 2, 4-12, 75					
DIM/Age	# Insem.	Previous heat	Start of heat	Heat score	Optimal insemination moment
140	0	-	8 hours ago	☆☆☆☆	<div style="width: 100%;"><div style="width: 100%;"></div></div>
249	4	78 days ago	8 hours ago	☆☆☆☆	<div style="width: 100%;"><div style="width: 100%;"></div></div>
59	0	14 days ago	8 hours ago	☆☆☆☆	<div style="width: 100%;"><div style="width: 100%;"></div></div>
149	3	22 days ago	8 hours ago	☆☆☆☆	<div style="width: 100%;"><div style="width: 100%;"></div></div>
263	7	8 days ago	8 hours ago	☆☆☆☆	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Pregnant	138	1	62 days ago	10 hours ago	☆☆☆☆



## Worklist

All key alerts, tasks and reports in one customisable overview, smartly prioritised for efficient herd management.



Scan the QR code to find out more about Nedap Now.

**“The system watches the cows - and based on their activity - lets us know which ones are cycling and automatically drafts those cows out.”**

Chad & Jan Winke, Matamata



Scan the QR code to read the full story.



# Let the data decide and the gate divide.

## SmartSort Seamless selection

**Automatically draft cows that need attention, without disrupting the rest of the herd.**

SmartSort seamlessly sorts cows based on heat, health or management criteria, sending the right cows to the right place at the right time. Cows requiring insemination, treatment or checks are automatically drafted, while the rest of the herd continues uninterrupted.

Easy to install and fully automated, SmartSort integrates seamlessly with Nedap's cow monitoring system and other herd management systems. It delivers high-accuracy sorting, improves labour efficiency and keeps cow flow calm and stress-free.

### Benefits at a glance:

- Highest accuracy sorting with RFID-technology
- Free cow flow through the milking shed
- Seamless integration with Nedap's cow monitoring platform and other herd management systems
- Total solution for your dairy farm
- No sensors means low maintenance and high accuracy
- Quiet design keeps cows comfortable and traffic flowing
- Pre-assembled for quick and easy installation
- Trustworthy, dependable technology that works
- Estimated cow flow capacity of easily 1000+ cows per hour.



Scan the QR code  
to find out more  
about SmartSort.



**“Each milking, a list of cows with alerts is sent to the gate and the cows are drafted seamlessly into a holding pen once they have been milked.”**

Chad & Jan Winke, Matamata



Scan the QR code to read the full story.



**Better  
together,  
Nedap +  
eShepherd.**

## eShepherd Virtual Fencing

**Unlock the power of precision livestock management with the combined strength of Gallagher eShepherd and Nedap SmartTag Ear.**

Gallagher eShepherd virtual fencing enables precise grazing control, reduces reliance on physical fences and maximises pasture utilisation. Nedap SmartTag Ear delivers real time insights into cow health and heat detection, empowering timely decisions and improved herd performance.

Whether you're rotational grazing on flats or shifting mobs through tough country, seeing your cattle daily or only now and then, eShepherd gives you the freedom to farm your way – with confidence, less hands-on work and better profitability.

### Benefits at a glance:

- Access data 24/7/365 from anywhere
- Make data-driven decisions for individual animals and ensure full nutritional potential
- Spot health or grazing issues early
- Manage your herd remotely 24/7, adjusting paddocks and monitoring location and behaviour in real time
- Receive alerts when something isn't right and stay ahead of problems
- Manage stock from your phone, reducing manual work and fence maintenance
- Free up time to focus on strategic farm management
- Prevent overgrazing, improve pasture quality, and optimise underused land
- Create flexible inclusion and exclusion zones using data-led decisions
- Virtually fence sensitive areas, protect waterways, and support habitat regeneration
- Move stock remotely and respond quickly to environmental risks.

**“We’ve had a major change in pasture utilisation. And now I’m spending an hour per week to set up my techno shifts 7 days in advance vs 20 hours or more to do it manually. It makes it really easy.”**

George Hardwick-Smith, Kohunui, Taranaki



Scan the QR code to read the full story.



## Want to know more or receive a demo or quote?

Visit [nedap-livestockmanagement.co.nz](https://nedap-livestockmanagement.co.nz)  
or reach out to your local Nedap Sales Manager.



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