

# Lely Discovery Collector



Clean barns,  
healthy cows



“The **Discovery Collector** ensures hooves remain cleaner. I notice the cows’ udders **simply stay cleaner too.**”\*

Johan Harbers  
Discovery Collector  
user since 2021  
The Netherlands



\*Disclaimer: Results have not been verified by Lely or an independent party. Your results may vary.

Lely Discovery Collector  
**The revolutionary manure cleaner for (semi) closed barn floors**

As a dairy farmer, you don't have a job, it's a way of life. Day and night, you work hard to keep your business thriving, with the health and well-being of your cows as your top priority. Therefore, you always strive to provide the best living conditions for your cows. That includes a clean barn floor.

But regular, manual cleaning of the barn floor takes manpower and time. The Discovery Collector manure robots take this dirty, repetitive task off your hands, leaving you to spend your valuable time elsewhere.

The Discovery Collector is a compact robot specially designed for (semi) closed floors. It works continuously on cleaning the barn floor, at times that fit yours and your cows' daily rhythm.

**Bright farming is yours by choice**

# The importance of a clean barn floor

Healthy dairy cows offer optimum productivity, require less attention and are a pleasure to work with. It is a frustrating fact that mastitis, reduced fertility and hoof health issues still count as the top three reasons for culling on dairy farms. A clean barn floor keeps hooves and tails cleaner and ensures less manure in the cubicles, keeping udders cleaner too. Helping to inhibit the growth of bacteria and contributing to reduce hygiene related hoof and udder health issues.

## Clean barn, healthy cows

Robotic manure cleaning respects the free cow traffic and supports the natural behavior of the cow. By vacuuming the manure instead of pushing or scraping it, the Discovery Collector eliminates the pile of manure for cows to step in. A healthy and happy cow could optimise milk production, which leads to more milk in the tank.

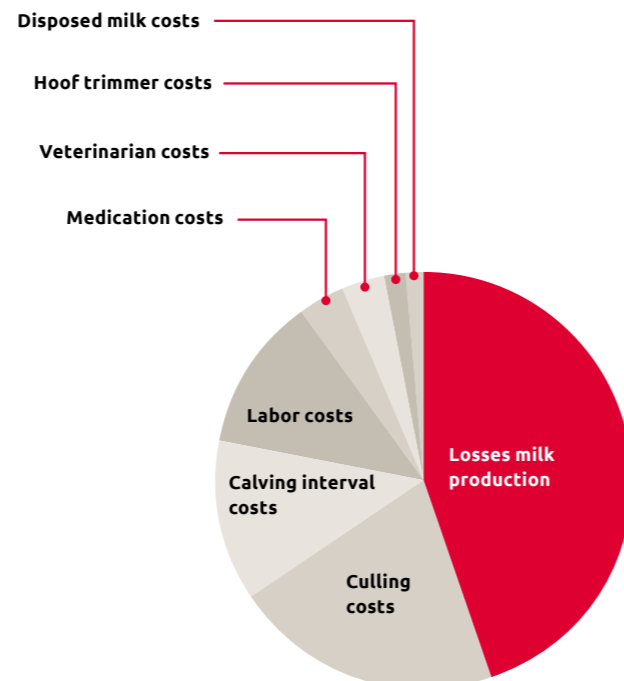
## A sustainable herd

The longevity of your animals is important to reduce the costs associated with rearing and replacement. It helps to improve farm economics while reducing environmental and social impacts. Management of your barn plays a vital role in creating an optimal environment for your cows to thrive in.

## Unconscious costs

The costs resulting from hoof problems are often underestimated. Cows can hide their issues for a long time until they become visibly lame. At that point, the animals' milk production, fertility and locomotion are already suffering and costing money. Other indirect costs to consider are, amongst others, veterinary costs and labor costs.

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# The benefits of Discovery Collector

## **Clean barn floor**

The Discovery Collector cleans the barn floor by using a vacuum principle. The robot drives through several alleys and brings all manure together in one central dump location. Efficient route planning can be programmed according to the farmer's preference with cow traffic and barn lay-out in mind.

## **Flexible barn design**

Manure logistics are an important part of the design of your (new) barn. A manure robot offers a lot of flexibility in this, as only one central station is needed for loading and dumping. From this station, the Discovery Collector can drive all pre-programmed routes autonomously. As long as capacity allows, additional routes can be added to the robot's daily schedule in case of barn expansion.

## **Optimal cleaning zones**

To not disturb the cows at the feed fence, the Discovery Collector can drive separate routes behind the animals at times that suit best. Separation areas are often accessible for manure robots, and cross alleys can be cleaned too. This creates a clean and safe environment with a good grip for your cows.

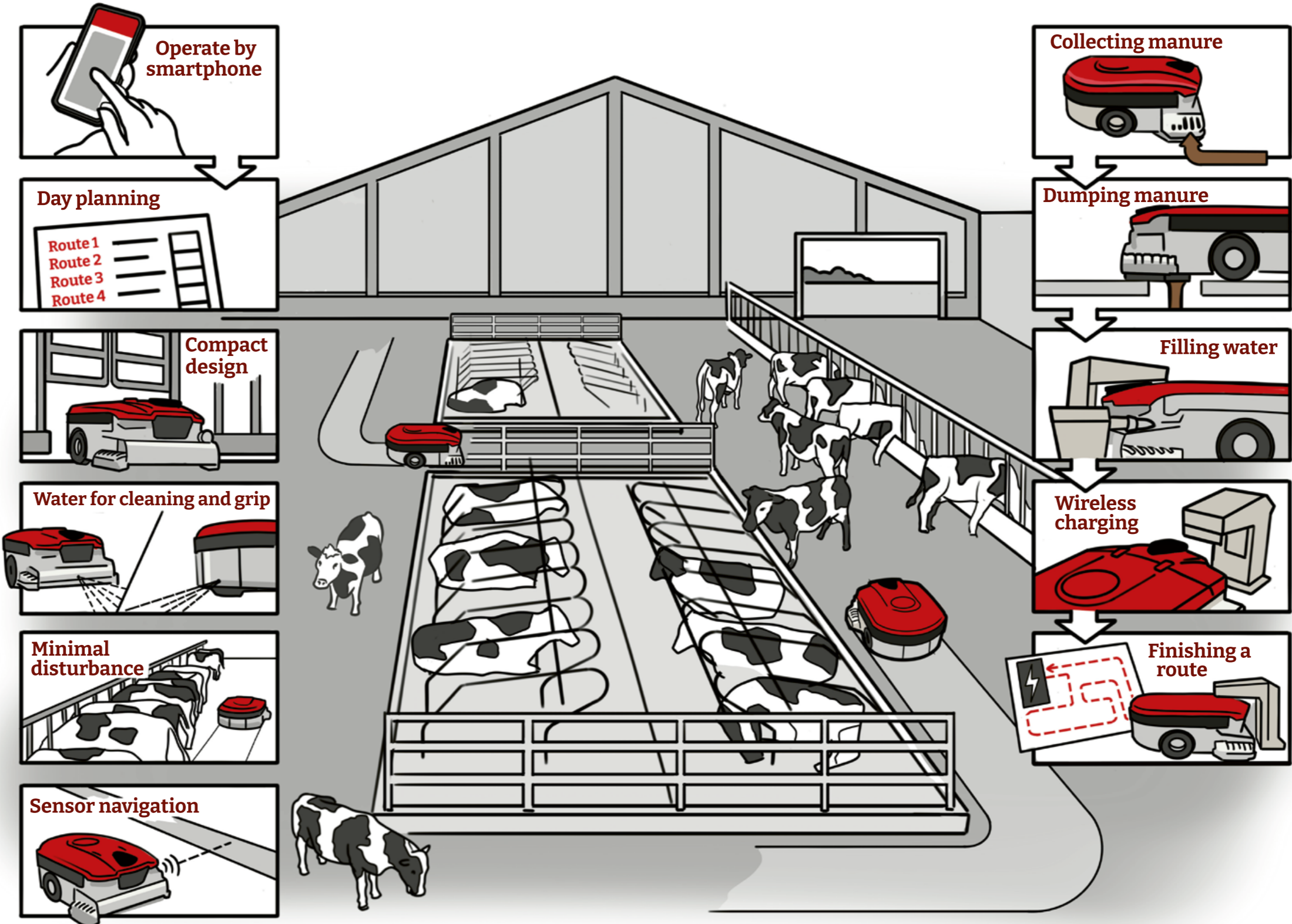
## **Convenient to operate**

Manual manure scraping is no longer necessary, which gives you more freedom in your time spent throughout the day. With the user-friendly application at your fingertips, the robot can be operated easily. Adjusting route times and water spraying can all be done with the help of the intuitive overview.

## **Reliability for consistency**

Robots don't care about weekdays, weekends or holidays. Day and night the Discovery Collector will drive around completing its task of cleaning the barn floor for your cows. Whether something happens in your daily planning or that of your workers, the robot will continue its job to ensure a continuously cleaned surface for your animals.

# The working principle of Discovery Collector





“They take time to explain it all.”

Severin Batzill  
Schlier, Germany

Your Lely Center

## The dairy automation experts in your region

Your local Lely Center is a partner in dairy automation you can rely on. Over the years, Lely has built a comprehensive network of specialists, combining experience in dairy automation with local knowledge. Their main goal is to help you get all the benefits from your Lely solutions.

### Peace of mind

Peace of mind is critical to your business operation. This means being able to rely on employees, machinery and a consistent partner in service and support. It's good to know that behind your Lely Discovery Collector, there is an organisation you can trust.

### Certified technicians

You will have full access to Lely's certified technicians through your local Lely Center. They ensure a perfect installation, set the desired routes and provide optimal service for a long and trouble-free life span.

### Regional knowledge & experience

You can also rely on knowledge, help and support from the Farm Management Support advisors at your local Lely Center. They ensure that your Discovery Collector plays its role in optimising productivity and profitability of your farm.

### Dairy farming is in our blood

Many of Lely's staff members come from a farming background themselves. They understand how farms work and are trained and tested on their knowledge. They offer reliability and expertise to assist both new and existing customers. Your local experts have knowledge and insights gained from similar projects in your region, so you can always rely on the most up-to-date advice.

### Most experienced in dairy automation

Lely is the leader in dairy automation. With regards to robotic barn cleaning, we have gained more than 20 years of experience. We used all this knowledge to develop the current generation of the Discovery manure robots.

## Bright farming is yours by choice

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