

A black and white cow is the central focus, looking towards the camera. It has a white blaze on its face and is wearing a red collar with a yellow tag that reads 'ERSTA' and '227'. The cow is in a metal stall with other cows visible in the background. The barn has a corrugated metal roof and a wooden floor covered in straw.

ERSTA

CONTROL UNIT

At the heart of all our systems, we have the ERSTA control unit, which receives data from all sensors

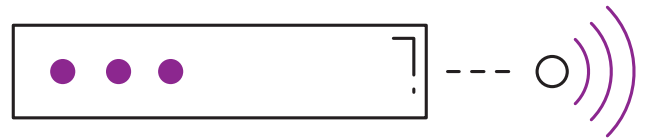
Active and passive management | Automation of operations | Heart of the barn

ERSTA CONTROL UNIT ERSTA SMART

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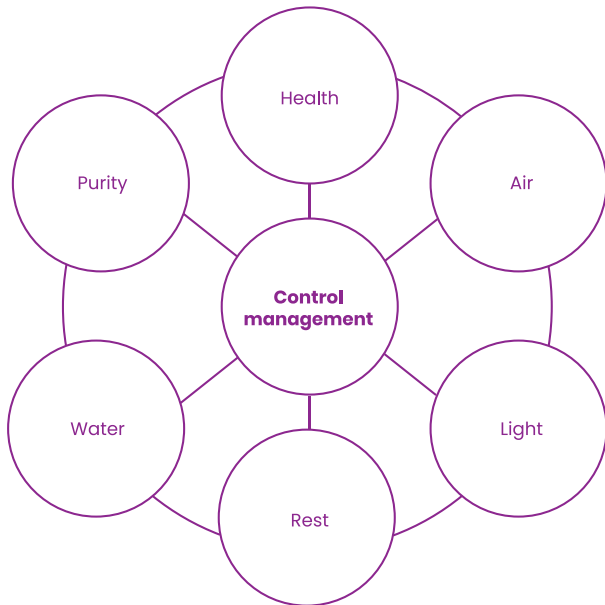
The unit evaluates the data in real-time and modifies system settings based on the results. At the same time, it actively manages individual barn features, like the roll-up curtain sides, skylight roof vent, ventilators, foggers, and lights.

This maintains a balanced barn microclimate throughout the day in any weather while adapting the light cycle to the animals' current needs.



Welfare cattle farming depends on maintaining an optimal barn microclimate, as animals that feel comfortable physically and mentally are healthier and more productive. Human error is the most common cause of a deteriorating microclimate or light cycle fluctuations.

ERSTA addresses these risks by continuously regulating barn microclimate and lighting to keep all the monitored features in check. You can make any adjustments you need; the 24/7 monitoring means you always have the microclimate and lighting in your hands.



KEY ERSTA UNIT PARAMETERS

1. Advanced sensor system

- The ERSTA control unit is connected to a complex sensor system. The sensors measure humidity, temperature, wind speed, lighting intensity and ammonia and CO2 concentrations.
- They are placed in the barn's interior and exterior, making the monitoring extremely accurate.

2. Smart management and evaluation

- ERSTA manages system features, including roll-up curtain sides, the skylight roof vent, ventilators, and lights.
- It automatically collects data and analyses the current microclimate status.

3. Flexible management regimes

- Primarily, ERSTA uses an automatic regime that allows it to continuously optimise your barn conditions, but you can also manually customise its system.

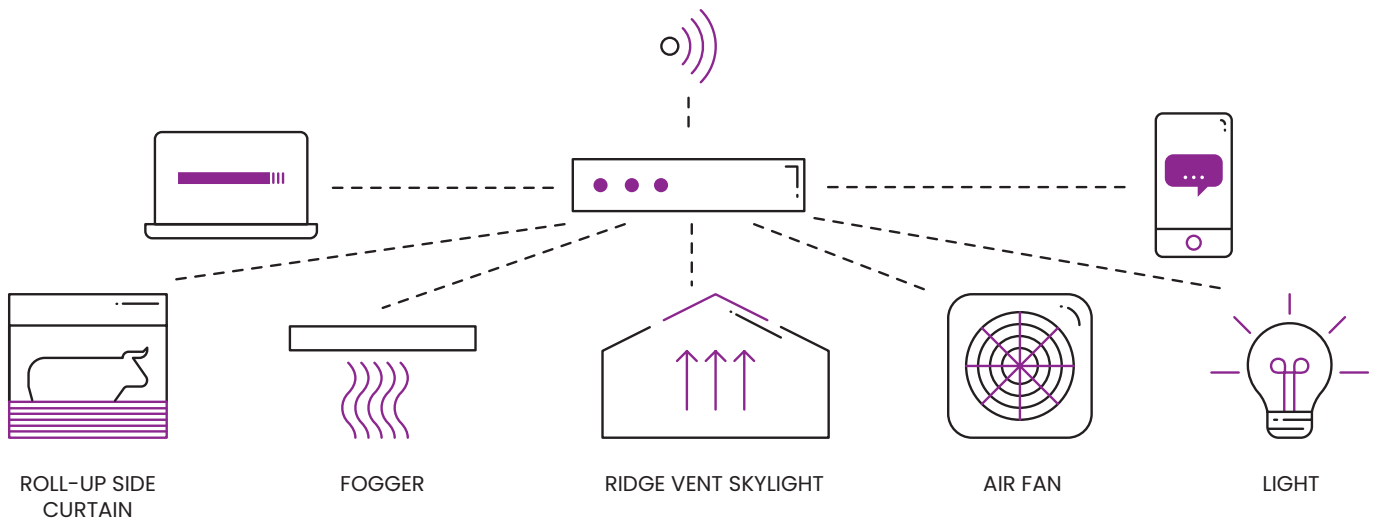
4. Maintaining a healthy microclimate 24/7

- The system constantly reacts to dynamic microclimate and lighting changes, day and night.

5. Easy interconnection with other barn technologies

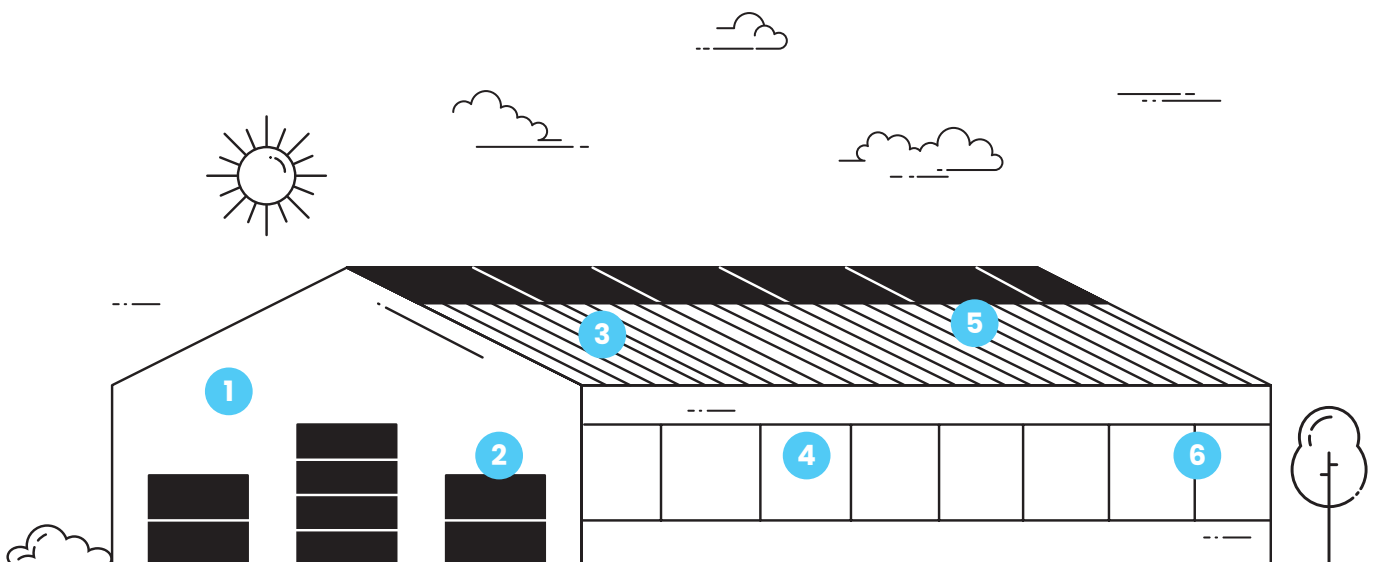
- The system is variable, and you can connect other systems, including manure scrappers, pumps, bedding systems, etc.
- These additional technologies also include remote control, tracking and diagnostics.





WHAT CAN YOU MEASURE WITH OUR SENSORS

1. Air temperature
2. Air humidity
3. Lighting intensity
4. Ammonia (NH_3) and carbon dioxide (CO_2) levels
5. Sunlight intensity
6. Wind speed



WHY CONTROL UNIT ERSTA SMART?

- ↑ Higher production of milk up to 20 %
- ↑ Happier and healthier animals up to 100 %
- ↓ Reduced costs of energy up to 25 %
- ↓ Regulation of carbon dioxide and ammonia levels up to 20 %
- ↓ Minimising human error in operations up to 100 %
- ↑ More productive employees up to 100 %



We will be happy to answer any questions you may have. Give us a call or send us an email.

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