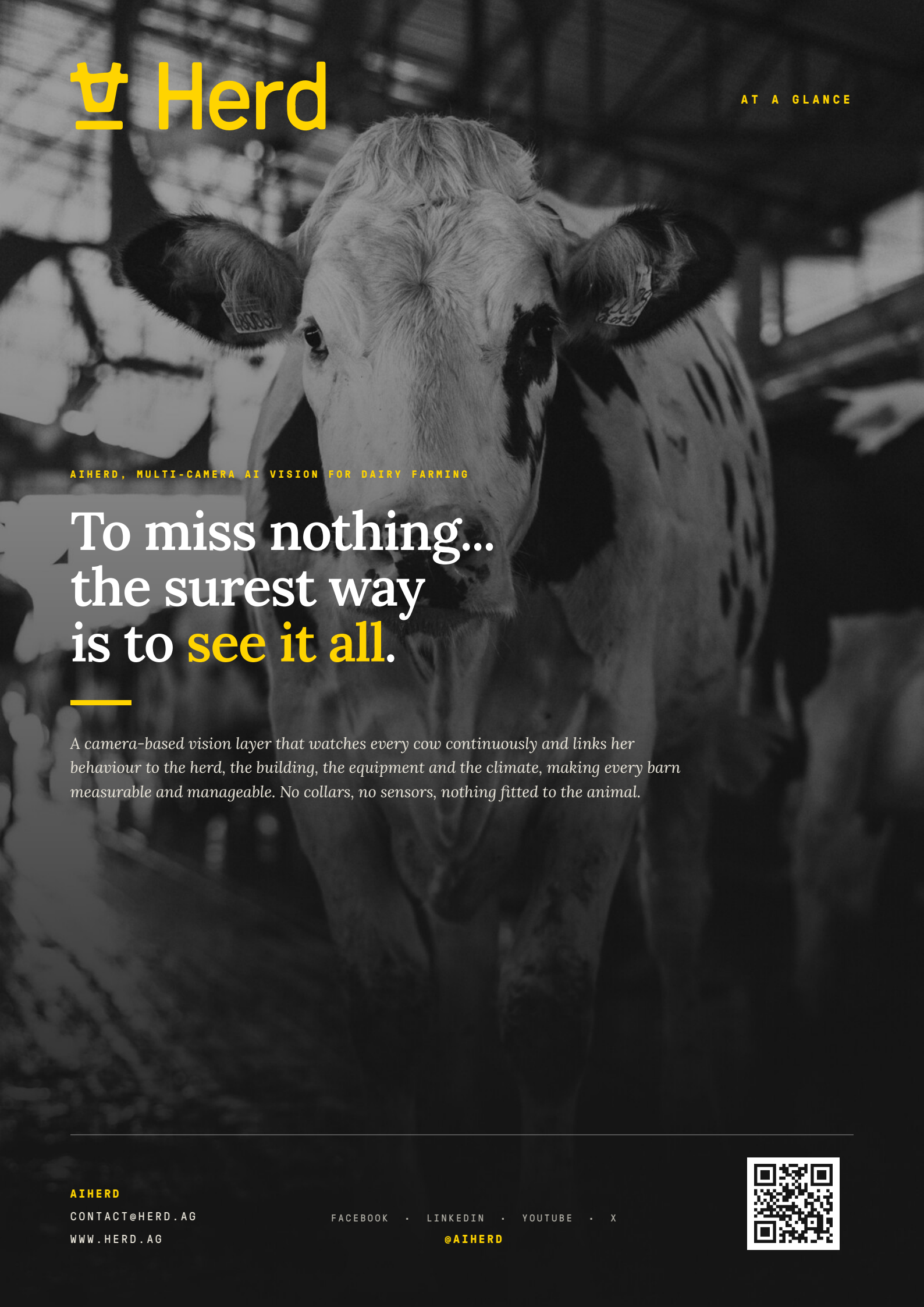
Herd

AT A GLANCE



AIHERD, MULTI-CAMERA AI VISION FOR DAIRY FARMING

To miss nothing... the surest way is to see it all.

A camera-based vision layer that watches every cow continuously and links her behaviour to the herd, the building, the equipment and the climate, making every barn measurable and manageable. No collars, no sensors, nothing fitted to the animal.

AIHERD

CONTACT@HERD.AG

WWW.HERD.AG

FACEBOOK · LINKEDIN · YOUTUBE · X

@AIHERD

PART 1: THE PRINCIPLE

How it works, in four stages.

None of these four stages requires touching the animals. Everything happens in the roof, in the map of the building, and in the software.



STAGE 1

The hardware

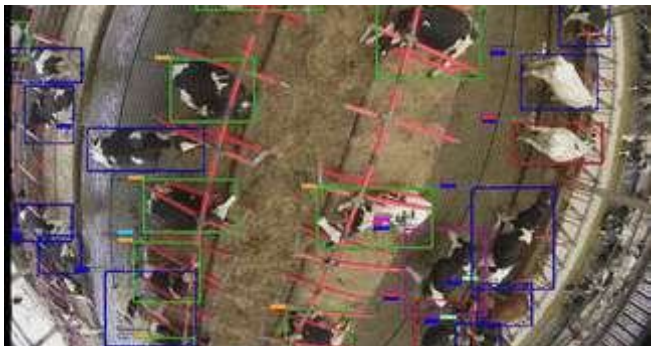
The building is scanned in three dimensions, the cameras are fitted where the scan says they should go, and a server installed on the farm runs the artificial intelligence.



STAGE 2

Recognition

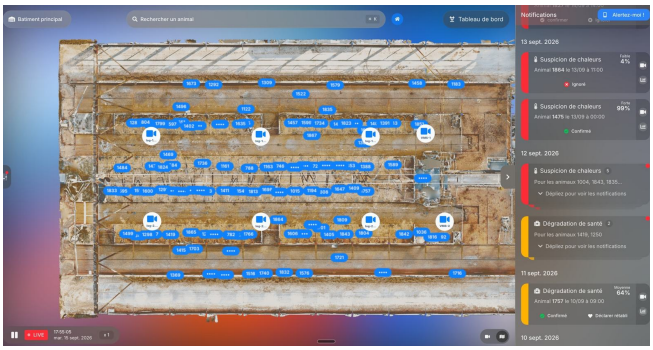
Every animal is recognised, continuously and wherever she is on the farm, thanks to the **patterns of her coat**. It is the most complex building block of the chain, and it plays out in four steps: identification, detection, tracking and re-identification.



STAGE 3

Analysis

A second AI layer reads postures and behaviours, and spots anything out of the ordinary, in the image as in the statistics.



STAGE 4

The interface

Everything comes together in one place: the live map of the building, the view from every camera, the record of every cow, the alerts. In a browser and on mobile.

CAMERAS
in the roof

→

SERVER ON THE FARM
recognition, then analysis

→

INTERFACE
web and mobile

Three elements, and that is all. **Nothing to fit on the animal, nothing to recharge, nothing to replace.**

PART 2: THE AREAS

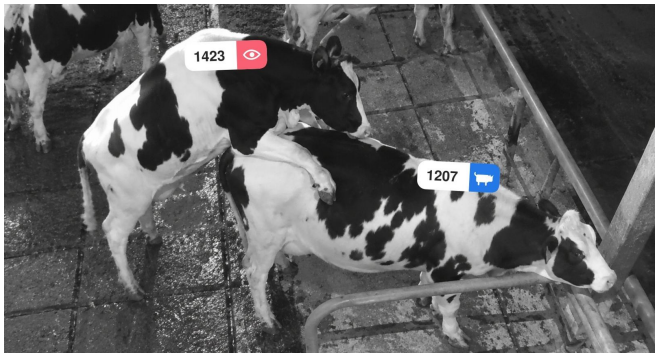
Five areas, a single infrastructure.

The five areas run on the same cameras. Some are **already running on farm**, the rest arrives through a simple update, with nothing added to the building.

AREA 1

Reproduction

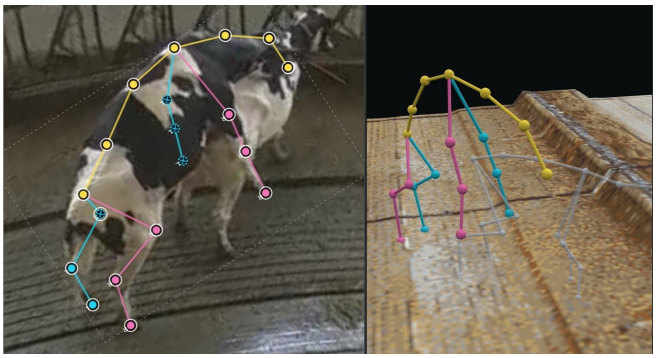
AiHerd spots heats, even silent ones. It flags a no return to heat, a pregnancy, an abortion. Calving detection is on its way.



AREA 2

Health

Four indicators track every cow continuously. The software detects lameness and explains its cause. A score ranks the animals to watch.



AREA 3

Safety

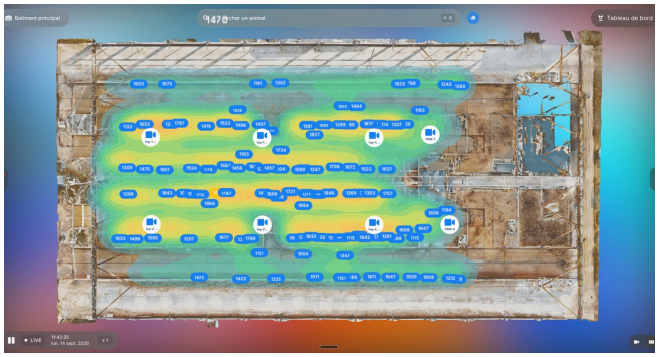
The building is filmed day and night. Any anomaly triggers an immediate alert, with video to back it. The history can always be consulted.



AREA 4

Smart building

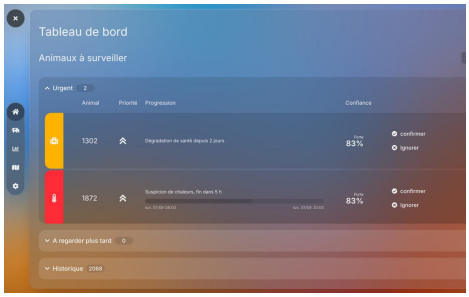
You look for a cow, she appears on the map. One click opens the camera that sees her. The time spent in each zone is measured.

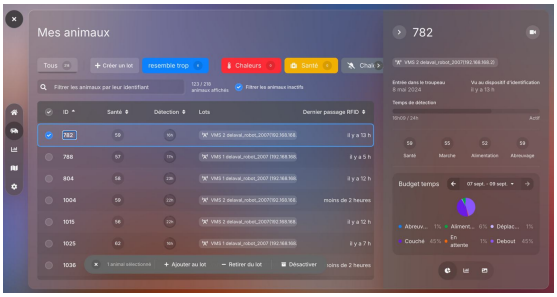


AREA 5

Management, integration and correlations

Everything arrives in a single interface, web and mobile. Every cow has her own record. The data exports to your farm software, and is cross-referenced with that of the milking robot, the ration or the weather.







MORNING DASHBOARD, HERD BY GROUPS AND ANIMAL RECORD, OVERLAID CURVES.

AIHERD, NOW AND NEXT

What runs today, and what is coming.

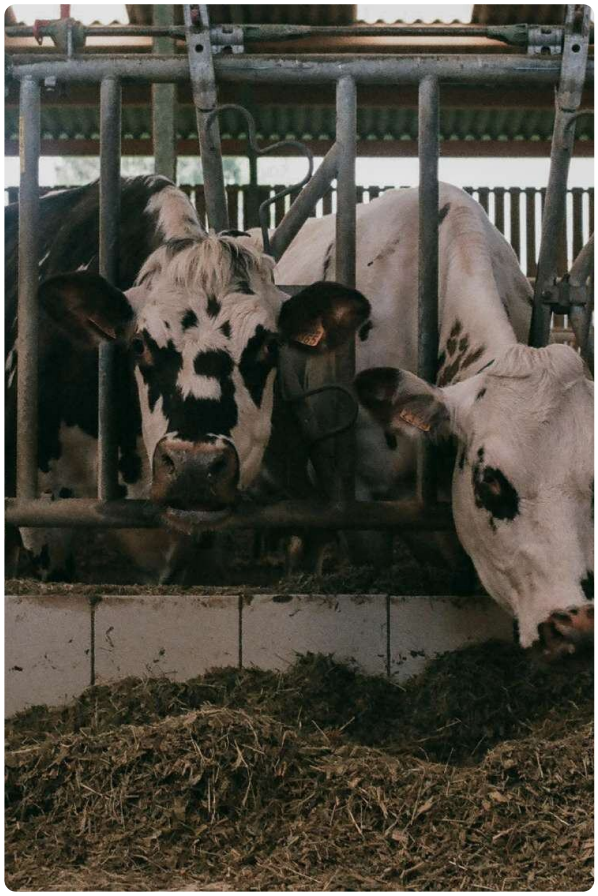
The figures below are today's, in real farming conditions. What comes next will be deployed on the **cameras and server already installed**, with nothing added to the building. And equipped farmers say it better than we do.

24/7
CONTINUOUS OBSERVATION
night included

90%
HEAT DETECTION
silent heats included

0
SENSORS ON THE ANIMAL
no collar, no tag

5 MILLION
COW-DAYS FILMED
in real farming conditions



FEED FENCE ON A FARM EQUIPPED WITH AIHERD. NONE OF THESE ANIMALS WEARS A COLLAR OR A SENSOR.

IN DEVELOPMENT, OR PLANNED

- Locating the precise origin of a lameness, not just detecting it
- A continuous locomotion score across the whole herd, to adjust trimming
- Detection of calvings and dystocia, day and night
- Body condition and weight loss, read from the silhouette
- Rumination and respiratory rate
- The alert for an animal in danger: an animal unable to get up, an animal trapped, a calf caught in the scraper
- A full video monitoring module with alarm system
- Finer behaviours: grooming, isolation, dominance

> *"The system is so precise that I can even see how my cows interact with each other. A real plus for anticipating problems."*
>
> BRUNO MASSART
> FARMER IN SOIGNIES, BELGIUM

> *"The system detects heats I could never have suspected. The machine outperforms the human. I recommend AiHerd without hesitation, all the more so as the potential still to come is huge: lameness, calving..."*
>
> PIERRE-MARIE DOUINOT
> FARMER IN LARCHAMP, MAYENNE, FRANCE

> *"It saves money. On the calving-to-calving interval, we gain a lot. It works."*
>
> SYLVAIN RIO
> FARMER IN RUFFIAC, MORBIHAN, FRANCE

To know every cow is to add value to the whole herd.