

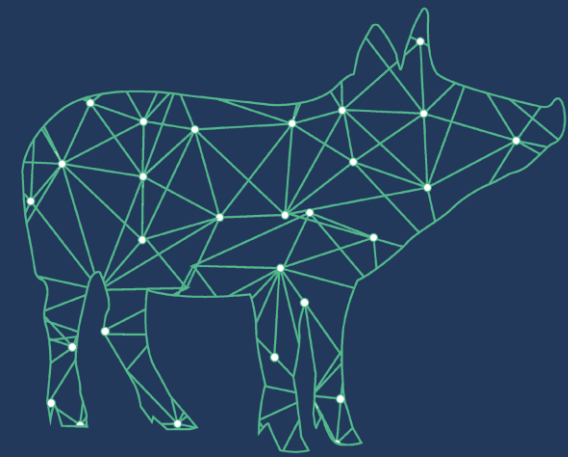


Experiences, challenges and best practice in implementing animal welfare rules at pig farms in Ukraine

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Requirements for the welfare of pigs during their keeping

Increase in floor space*



Floor improvements,
optimisation of
floor slat size

Obligatory group housing of
replacement gilts and sows



Painless treatment of animals
(castration, tail docking, etc.)

Enrichment materials in
the environment

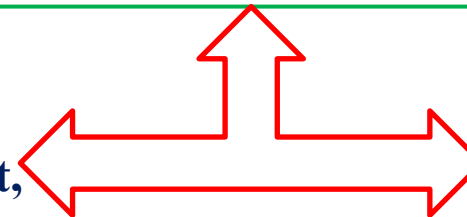


Obligatory training of
personnel in welfare
requirements



The concept of five freedoms - from hunger and thirst, discomfort, pain, injury, disease, fear and suffering.
Expression of natural behaviour.

REQUIREMENTS
for the welfare of pigs during their keeping
APPROVED Order of the Ministry of Economic Development,
Trade and Agriculture of Ukraine
08 February 2021 No. 224

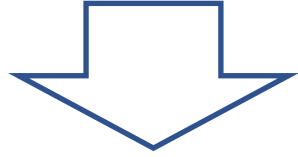


Applies to farms with
more than 15 sows



*When pigs are kept in groups, the total floor area for their unhindered movement must be at least 1.64 m² for each replacement pig after insemination and at least 2.25 m² for each sow.

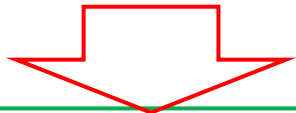
Implementation of requirements – the real state of affairs



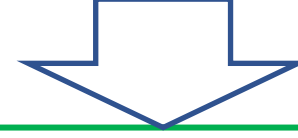
Obligatory group housing of replacement gilts and sows

Increase in pen space

Floor improvement, floor slat size optimisation



For new enterprises are **mandatory** to consider at the planning stage, and for existing enterprises a **transition period** required.



Enriching materials from the surrounding environment

Obligatory training of personnel in welfare requirements

Painless treatment of animals (castration, tail docking, etc.)



Harmonious implementation

A differentiated approach to **the timing of the transition to the new welfare standards** is required:

- leave the transition periods unchanged for new facilities commissioned from **1 January 2026** and for operators involved in the export production chain
- for existing farms, extend **the transition period by four years, until 2030**, which is equal to the period of martial law in Ukraine.

A leading solution that
continuously provides accurate
data on **each individual pig** using
computer vision and artificial
intelligence technologies

CAN MODERN
FARMING PROVIDE
KNOWLEDGE ABOUT
EACH INDIVIDUAL
ANIMAL, AS IT ONCE
DID?



Accuracy of technology



160M+

processed
images with
pigs



1M+

The pigs'
contours are
marked by
hand.



110K+

individual
weighings



> 95%

Individual weight accuracy

> 97%

Accuracy of group weight

Key benefits for farmers

Information and control



Optimisation of
income



Cost
optimisation



A new level of
personnel
management

Better protection and care for animals



Animal health



A new level of
biosecurity

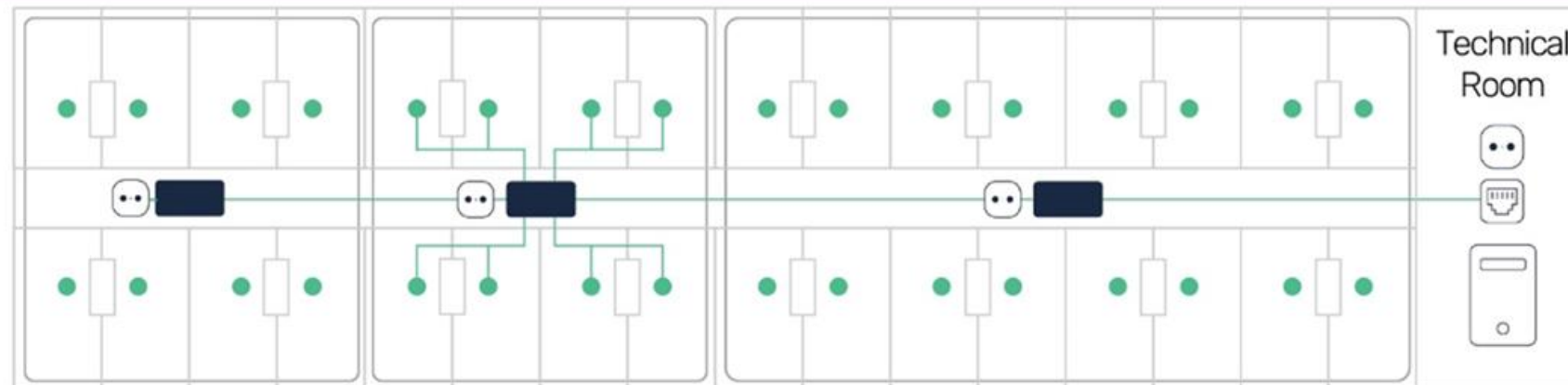
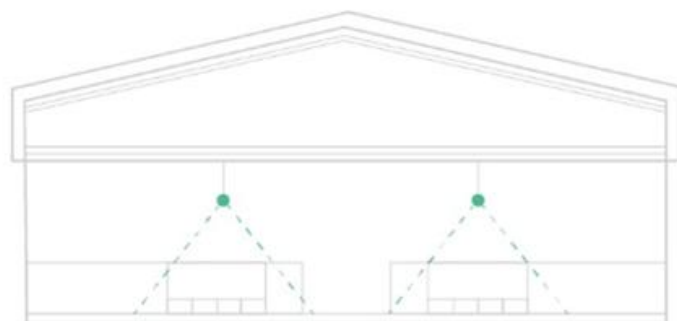
Everything works
without additional
training on the new
farm



Installation example



Farm Layout (example)



● Camera ☐ Electrical Socket ☐ Internet port ☐ Computer ■ PoE Switch 8 ports (or 16 ports) — Internet Cable

Installation example



Installation example



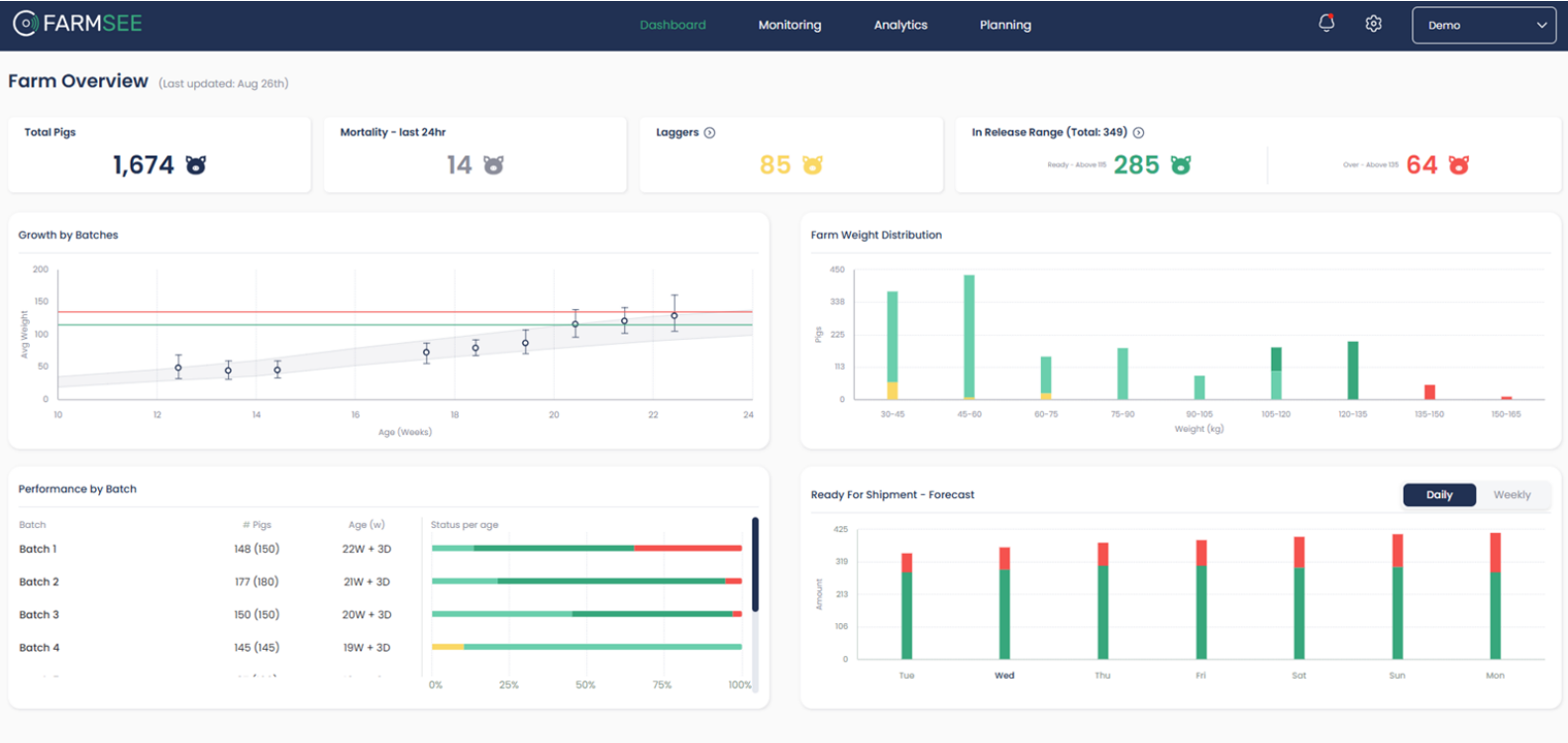
Installation example - video



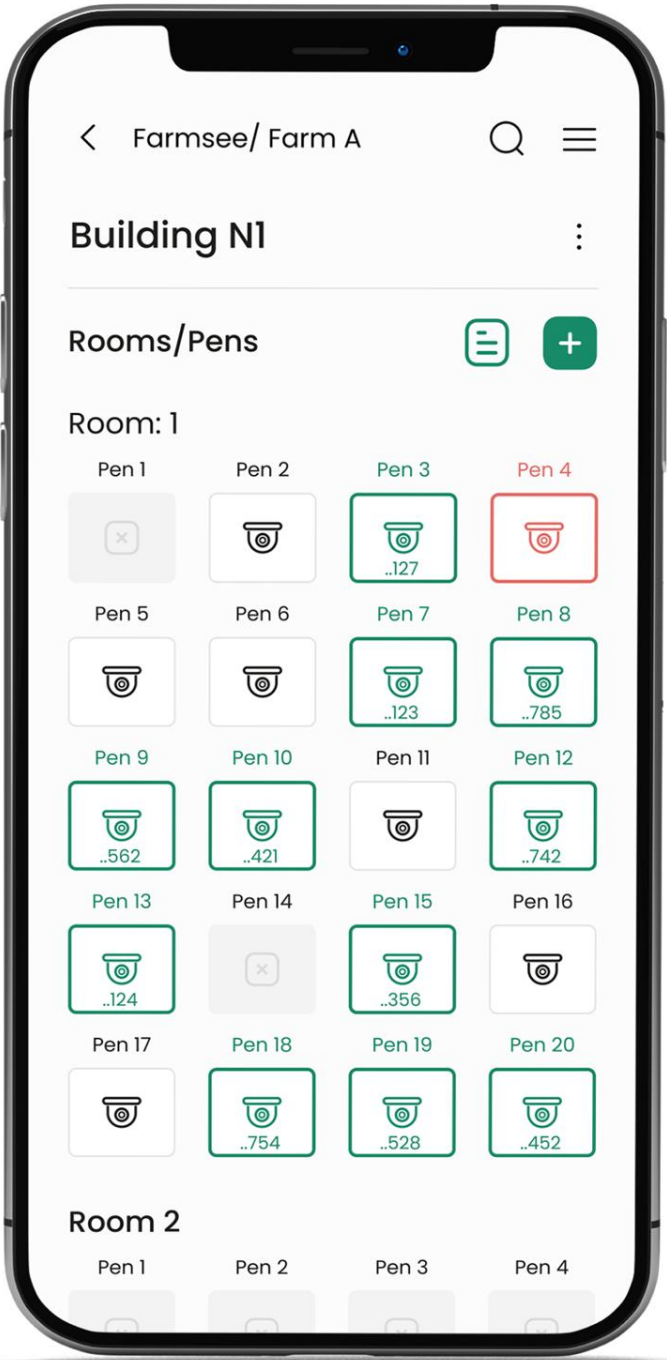
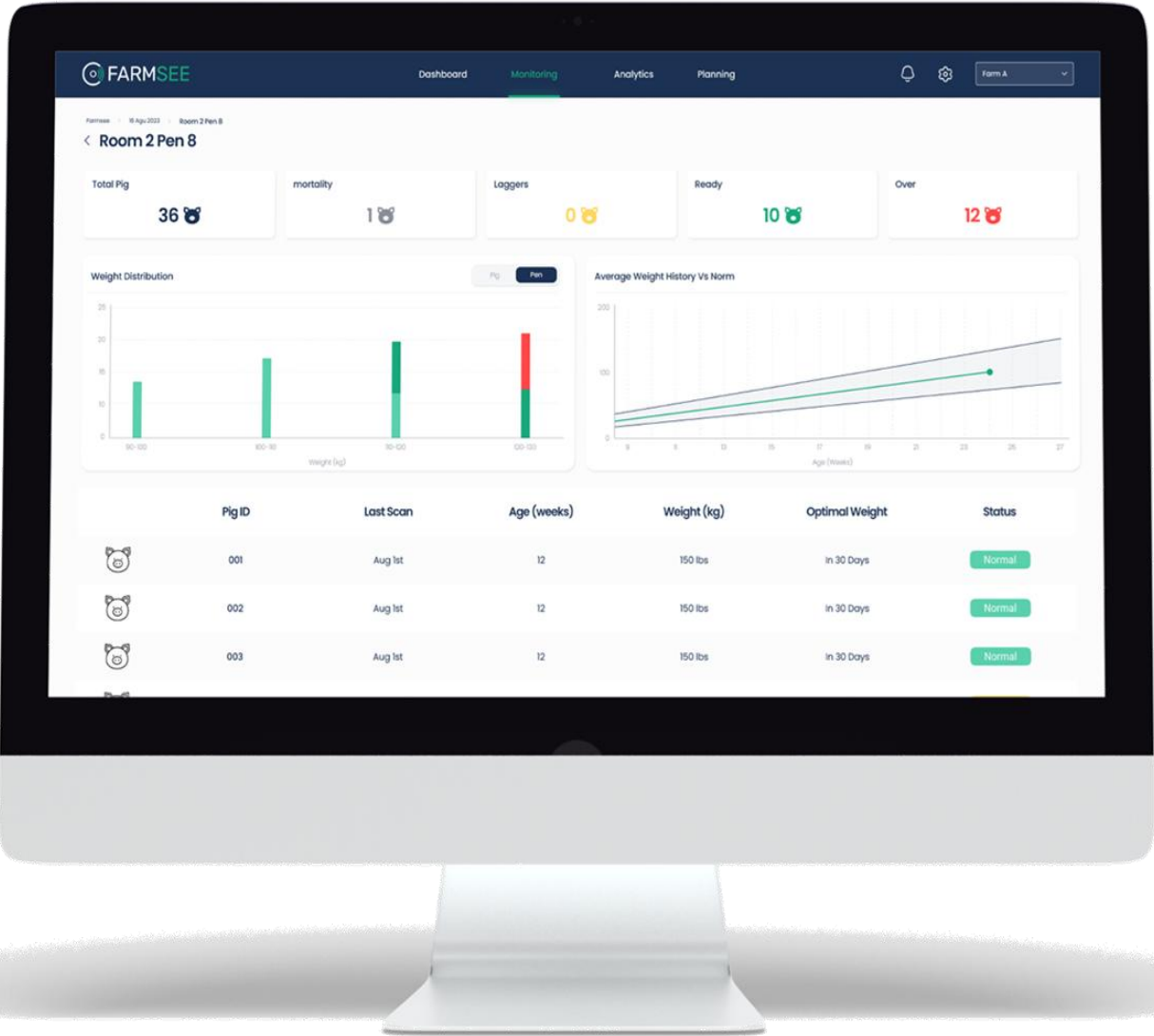
Installation example



Screenshots



Screenshots





OptiSCAN — an efficient, stress-free pig weighing system



What is OptiSCAN?



What is OptiSCAN?

OptiSCAN is an innovative mobile solution designed to simplify weight control of fattening pigs. Equipped with a 3D camera and tablet, it allows you to scan animals directly in the pen and identify those that have already reached their target weight.

The process is quick and easy, and the collected data can be securely stored and viewed at any time on a computer.

Thanks to a powerful algorithm trained on data from over 6,300 animals and more than 10 million weight measurements, OptiSCAN achieves an exceptional accuracy of 98%.

This ensures reliable decision-making, simplifying the optimisation of the fattening process, increasing efficiency and, ultimately, increasing profitability.



OptiSCAN: application areas

The weighing function is necessary for:

- ⌘ Sorting pigs before slaughter to maximise carcass value and price.
- ⌘ Monitoring growth and health to ensure optimal performance.
- ⌘ Adjusting feeding curves, optimising growth efficiency and reducing cost per kilogram of gain.



How to use OptiSCAN?

Mobile and efficient

- ⌘ Measurements are taken directly in the pen, no need to move the pigs.
- ⌘ Instant weight display on the tablet.
- ⌘ 98% accuracy, regardless of genetics.



How to use OptiSCAN?

An easy-to-use solution accessible to any operator

- :: Easy to use after a training course and practice period.
- :: Animal selection is simple, fast and accurate, regardless of the operator.



What are the main advantages?



Profitability



Comfortable operation



Efficiency



Reliability



Animal welfare



Contents of the kit



One-size ergonomic vest-jacket



Ergonomic 3D camera with optional BF RFID reader



Tablet Microsoft Surface Pro, Windows 11



Impact-resistant case made of ABS plastic



Thank you for your attention!

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