dilepix

LIVESTOCK MONITORING

Create value by offering automated livestock monitoring solutions using computer vision and artificial intelligence
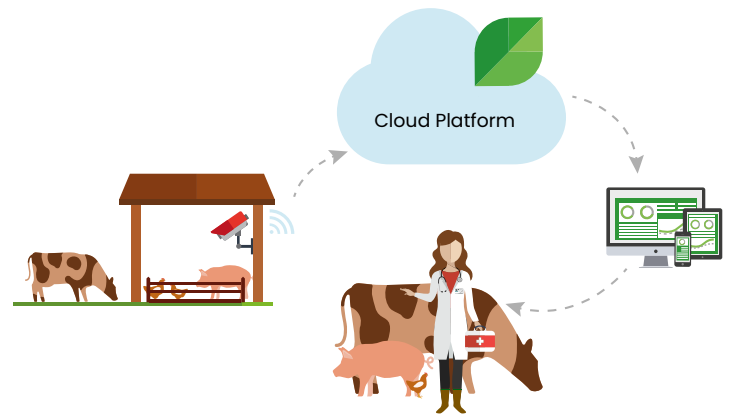
SOLUTION

We provide veterinary groups, producer organizations and consultants with a cloud platform that enables continuous and automated livestock surveillance. Thanks to the artificial intelligence, diseases, opportunities and behaviors are detected and can even be modeled to be anticipated. Our solution is fully scalable and available anywhere on earth.
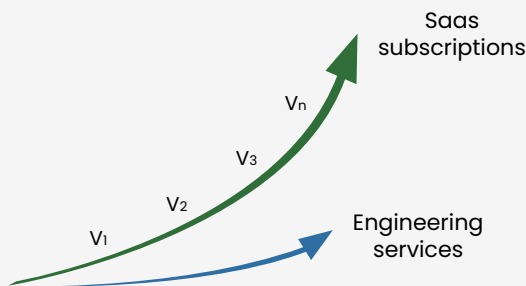
TECHNOLOGY

Dilepix combines in-house neural networks (deep learning) with computer vision algorithms to automatically detect agronomic threats in images or videos and locate them in space.

Our computer vision platform was developed at Inria in partnership with major companies such as Orange, Intel, Dassault, Airbus, Softbank Robotics and validated in real outdoor conditions from ocean floor to outer space.

Cloud Platform

BUSINESS MODEL

Saas subscriptions

V_n

V_3

V_2

V_1

Engineering services

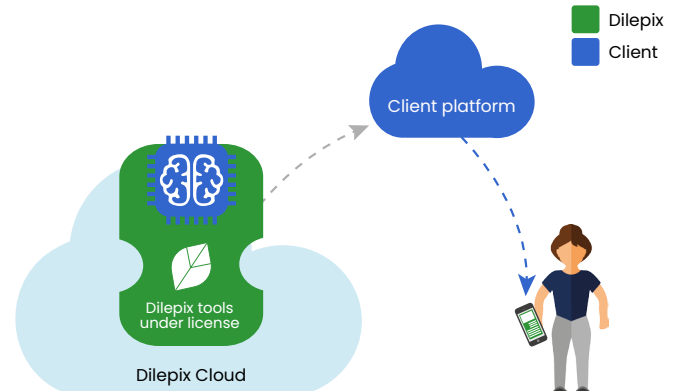As an ingredient branding company, Dilepix does not sell its solutions directly to end-users.

We partner with our clients to build a mutually beneficial relationship over the long term.

Dilepix sells non-recurring engineer services along with saas subscriptions to veterinary consultancy groups, pharmaceutical companies, agribusiness and food companies.

INTELLECTUAL PROPERTY

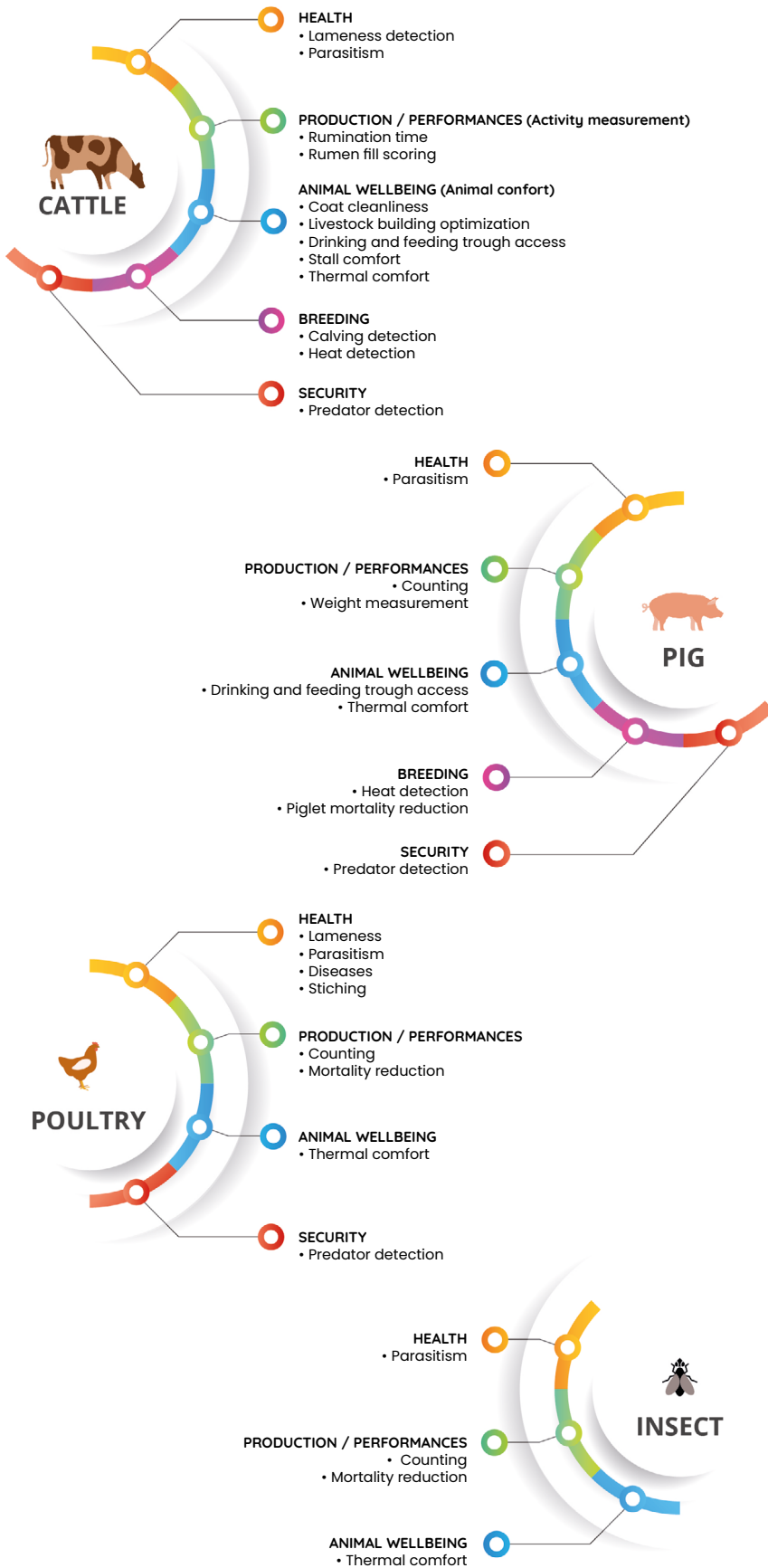With your pictures and videos, we trained a Neural Network that will remain your property and won't be used with other companies.

This Neural Network runs on our Cloud platform thanks to our Dilepix licensed softwares. The analysis results will be delivered to your cloud platform and/or to your decision support tools.

Dilepix
Client

Client platform

Dilepix tools under license

Dilepix Cloud

USE CASES

CATTLE

HEALTH
• Lameness detection
• Parasitism

PRODUCTION / PERFORMANCES (Activity measurement)
• Rumination time
• Rumen fill scoring

ANIMAL WELLBEING (Animal confort)
• Coat cleanliness
• Livestock building optimization
• Drinking and feeding trough access
• Stall comfort
• Thermal comfort

BREEDING
• Calving detection
• Heat detection

SECURITY
• Predator detection

PIG

HEALTH
• Parasitism

PRODUCTION / PERFORMANCES
• Counting
• Weight measurement

ANIMAL WELLBEING
• Drinking and feeding trough access
• Thermal comfort

BREEDING
• Heat detection
• Piglet mortality reduction

SECURITY
• Predator detection

POULTRY

HEALTH
• Lameness
• Parasitism
• Diseases
• Stiching

PRODUCTION / PERFORMANCES
• Counting
• Mortality reduction

ANIMAL WELLBEING
• Thermal comfort

SECURITY
• Predator detection

INSECT

HEALTH
• Parasitism

PRODUCTION / PERFORMANCES
• Counting
• Mortality reduction

ANIMAL WELLBEING
• Thermal comfort

This is a non-exhaustive list. We work closely with our clients and all of the use cases presented here can be adapted.
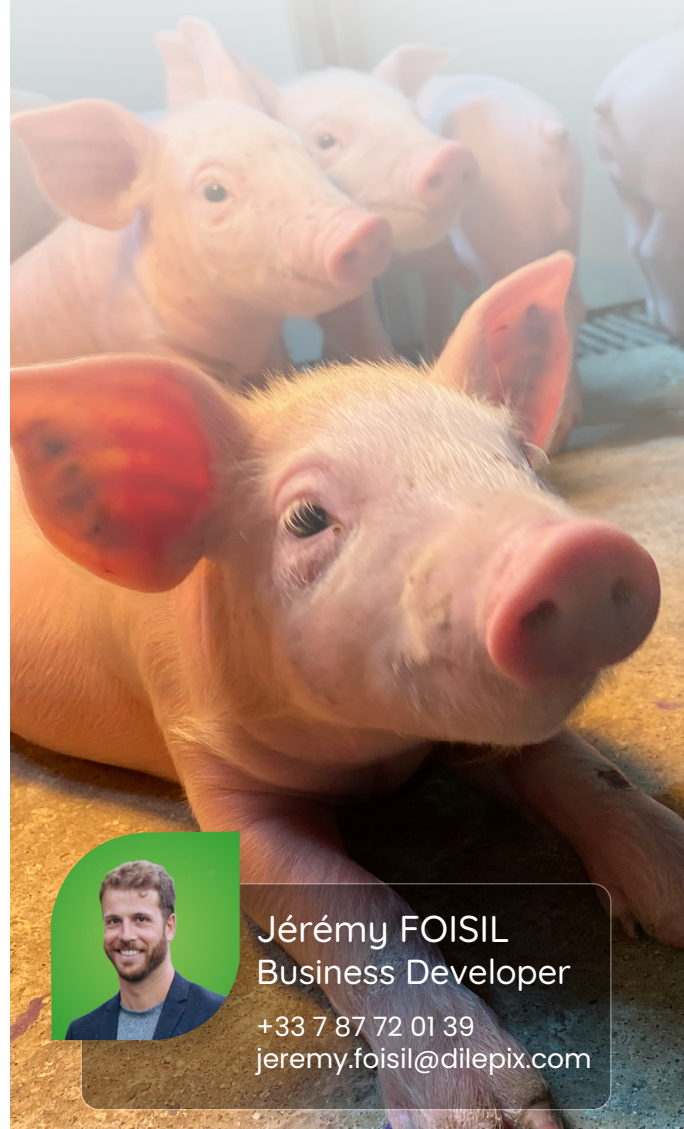
CUSTOMER CENTRIC

Because each case is different, we aim at providing a custom-made solution to each of our clients' problematics.

RELIABLE TECHNOLOGY

Our technology is designed for real-time operations in outdoor conditions. Our algorithms are made available in cloud or in embedded mode.

Our portfolio of digital assets (software, applications, databases) is registered in the international IDDN register, through new regular deposits with the APP (European Agency for the Protection of Programs).

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