



dilepix

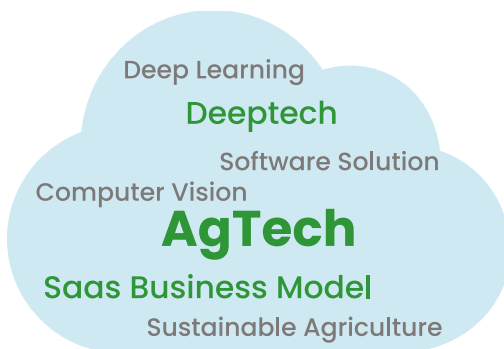
**AUTOMATIC DETECTION
SOFTWARE
& IMAGE ANALYSIS
IN AGRICULTURE**

PROBLEM & SOLUTION

The increasing global demand for meat and the decreasing number of farmers is fuelling the need for monitoring applications and robotic solutions to automate production.

🌿 **Dilepix's computer vision solutions** are designed to be distributed as SaaS or embedded, and aim to have a positive environmental impact by improving animal welfare, reducing chemical use and eliminating laborious, dangerous or repetitive tasks.

🌿 **Solution: Dilepix AI software** provides relevant data on animal and crop production to companies such as Boehringer Ingelheim, Synthèse Elevage, Inrae, Ifip (pigs), FLS, Obione (cattle), Agronutris (insects), Mycophyto, Unilet (crops), NDA (robotics & agricultural equipment manufacturer)



VALUE PROPOSITION

The technological solutions that Dilepix develops with its customers allow farmers to improve their production thanks to new tools based on data that can now be used thanks to artificial intelligence.

To achieve this, **Dilepix provides its customers with a software platform** that enables ultra-robust detection, localisation and interpretation of agronomic threats and opportunities in images and video streams. This platform is available in the cloud (from a smartphone or a computer) or directly embedded in agricultural machinery.

The solution is designed to be distributed through recurring licenses to farmers' suppliers, such as equipment manufacturers, pharmaceutical companies or veterinary and nutrition groups.

Dilepix is currently focusing on the development of commercial livestock applications, but is also working on farm machinery and robotics applications.

The solutions developed by Dilepix aim to have a positive environmental impact by improving animal welfare and reducing the use of treatments and antibiotics.

Addressable market

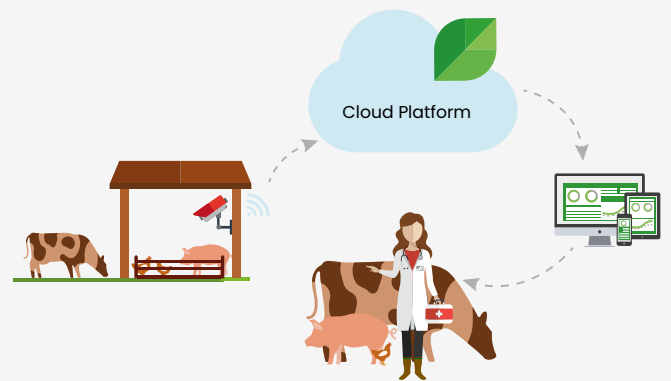
The global market for precision agriculture and livestock farming is growing by 12% per year and will reach 17 billion euros by 2025.

The annual addressable market for 2022 and 2023 in Europe and North America is worth more than €4.4 billion (livestock: €2.6 billion, agriculture: €1.8 billion).

TECHNOLOGY

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

Our computer vision platform has been developed by Inria in partnership with major groups such as Orange, Intel, Dassault, Airbus and Softbank Robotics and has been validated in real-life conditions from the ocean floor to space.



Neural networks developed by Dilepix



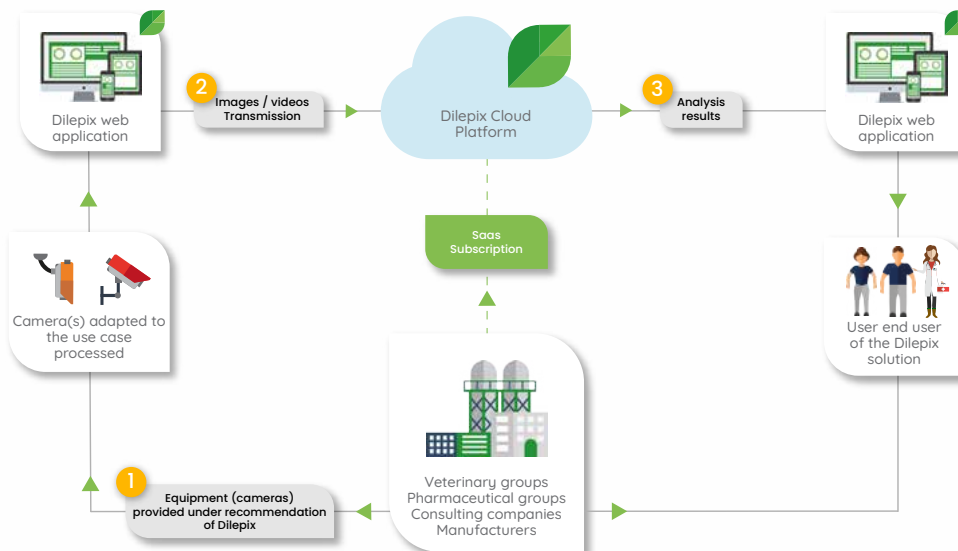
- Hosted on the **Dilepix Cloud** to be **available anywhere in the world** with a simple internet connection.
- Embedded on our customers' machines for **real-time robotic actions**.

A computer vision platform at the forefront of innovation



- Tracking and locating** objects in real time.
- Ability to **control robots** from measurements extracted from images or video streams.

SaaS product Dilepix



«Dilepix has developed a unique solution to accurately detect and measure situations by tracking them in space and time.».

Alban POBLA
Co-founder Dilepix

AREAS OF APPLICATION

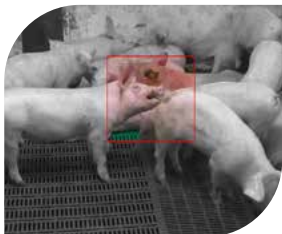
Dilepix has demonstrated the strategic value of its technology through POCs, prototypes, pilots and paid MVPs with major players in agriculture.

Livestock monitoring

TAIL[©]

Tail biting detection

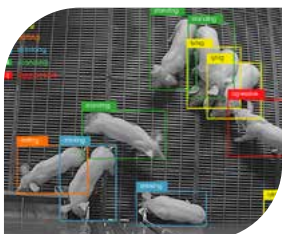
- Pig
- Prototype
- Customer : Boehringer Ingelheim



SOWELL[©]

Measuring activity

- Pig
- MVP
- Customer : INRAE



GWIZ[©]

Ovulation detection

- Pig
- Pilot
- Customer : Synthèse Élevage



COWIX[©]

Measuring activity

- Cattle
- MVP
- Customer : Obione



Industrial process

COUNTIX[©]

Larvae counting

- Insects
- MVP
- Customer : Agronutris - Thomas More



A «top-of-mind brand» in several agricultural verticals

Powered by 

- **Industrial insect farming:**
The first player to provide quality and production control tools.
- Tools for measuring pig activity, welfare and fertility.
- Tools for measuring cattle activity.
- **Robotics and automation:** Embedded software for vision-controlled machines

Agricultural machinery

LOADIX[©]

Agricultural machinery

- Autonomous robotics
- MVP
- Client : ManuRob



PROJET

Agricultural machinery

- Autonomous robotics
- POC
- Client : AGCO



CARTAM[©]

Weed & Plant Detection

- Vegetable crops
- Prototype
- Customer : Unilet



Monitoring & Plant Robotics

MYCOAGRI[©]

Plant health

- Crop
- MVP
- Client : Mycophyto



FINANCE & PERSPECTIVES

Dilepix raised a first seed round of €1.7 million in 2018 and has just completed an intermediary financing round.

In the medium term, the startup wants to join forces with an industrial company to ensure its development and strengthen its product roadmap. Indeed, Dilepix has reached a certain maturity thanks to its technological platform and the know-how of its team. An industrial partnership is a logical and coherent way to develop its international sales.



THEY TRUST US

ManuRob

Agronutris

AGCO

MYCOPHYTO
Cultivons l'équilibre de la nature

Obrone
Leading innovative solutions

Synthèse
élevage

Boehringer
Ingelheim

INRAE

ifip —
Institut du porc

Inria

THOMAS
MORE

FRANCE LIMOUSIN
SELECTION
LANAUX - LAGANCE

i2S

UNiLet
Interprofession
des légumes
en conserve
& surgelés

*Non-exhaustive list - some contracts are subject to confidentiality

Our solutions are developed in partnership with national technical reference institutes and with our customers' experts.

We attach great importance to the scientific validation of our solutions.

DILEPIX TEAM

11 talented people with the necessary skills to achieve our goals: computer vision, deep learning, front-end, back-end, marketing, sales, legal, finance...





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