

DEVELOPMENT OF AGROBUSINESS INNOVATION IN ALGERIA « InnovAgro »

THE AGRITECH BUSINESS OPPORTUNITIES IN ALGERIA

AgriBox IoT

Turnkey intelligent rearing container for poultry.

IDEA
N°02



TYPE OF OPPORTUNITY: **Agricultural technology and equipment**
- **All-in-one solution with Internet of Things (IoT)**

*Related to other sheets

CHALLENGE:

Small-scale farmers often lack modern infrastructure to optimise rearing conditions, resulting in high losses due to disease, poor management of environmental parameters and lack of monitoring.

IMPACT ON THE VALUE CHAIN:

Upstream : Improved productivity thanks to optimised rearing conditions and optimised costs due to reduced human supervision.

Downstream : Improved product quality (meat, eggs) and reduced losses due to disease or stress in poultry, which also has a positive impact on prices.

SOLUTION:

An all-in-one poultry rearing container, integrating IoT sensors and acoustic monitoring systems to control :

- Temperature, humidity, power supply, CO₂, lighting in real time.
- Sound detection to identify abnormal behaviour or signs of disease using automated acoustic analysis.



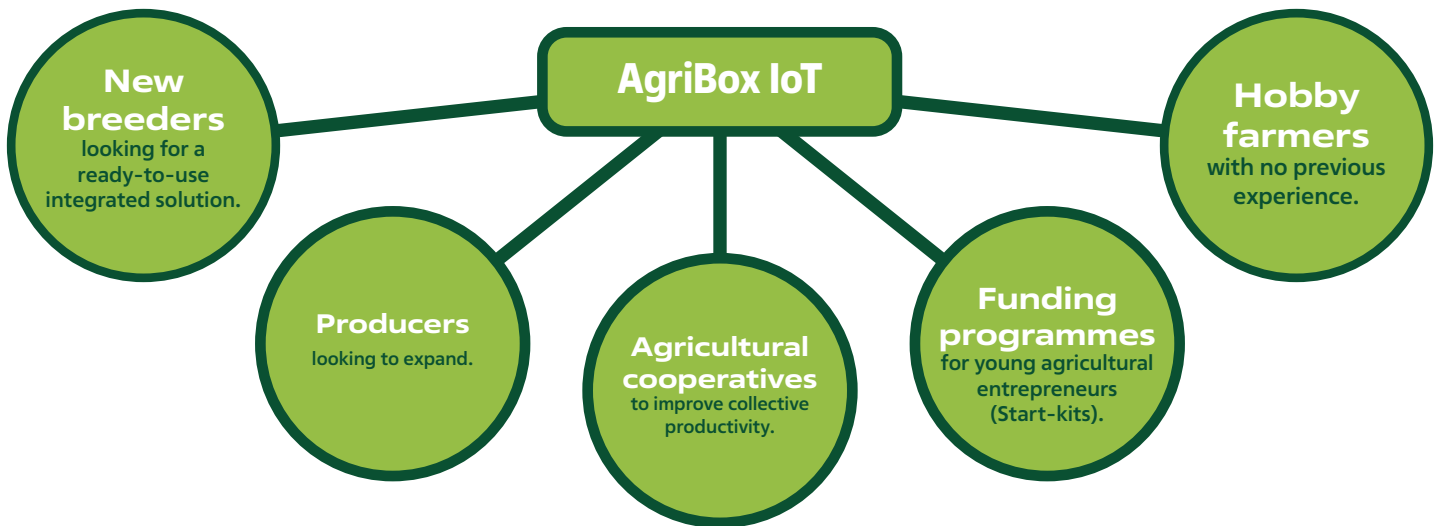
BENEFITS

- Optimum rearing conditions to increase yields and quality.
- Reduced losses due to disease thanks to early diagnosis of acoustic anomalies.
- Turnkey solution, easy to install and manage, ideal for new breeders.
- Time-saving automation and simplified management.

SOLUTION COMPONENTS

- Ready-to-use container with thermal insulation and ventilation system.
- IoT sensors : Real-time monitoring of the environment (temperature, humidity, CO₂).
- Intelligent acoustic system: Detection of unusual sounds (anomalies, distress).
- Dashboard connected via mobile application for alerts and parameter management.
- Optional integrated modules for automated power supply and adaptive lighting.
- Customer service for installation, maintenance and ongoing advice.

WHO WILL PAY FOR THIS SERVICE OR PRODUCT ?



SUCCESS STORIES

ChickenBoy

A ceiling-mounted robot that continuously monitors poultry house conditions, including air quality, temperature, humidity and sound, to improve animal welfare and productivity on poultry farms.

[CLICK HERE](#)



Crédit photo : www.kerbl.com



Crédit photo : cdn.bigdutchman.com

SmartCoop

A poultry house automation system offering intelligent modules to control lighting, ventilation and other parameters, accessible via a mobile app for hobby farmers and small-scale producers.

[CLICK HERE](#)

PROCESS FOR REALISING THE OPPORTUNITY

PHASE 1:

Design and prototyping :
Development of the container with integration of the sensors.

PHASE 2:

Pilot test & POC :
Deployment to a group of farmers to gather feedback.

PHASE 3:

Optimisation and training :
technical adjustments and user awareness.

PHASE 4:

Commercial roll-out :
Market launch with technical assistance.

COMPLEXITY



LEVEL OF INVESTMENT NEEDED



Here are some opportunities that you might be interested in related to yours – Scan QR code

integrated into

03