

DEVELOPMENT OF AGROBUSINESS INNOVATION IN ALGERIA « InnovAgro »

THE AGRITECH BUSINESS OPPORTUNITIES IN ALGERIA

SmartStorage App

Intelligent monitoring of storage conditions

IDEA
N°05



TYPE OF OPPORTUNITY:

Digital technology (Mobile application and Internet of Things (IoT))

*Related to other sheets

CHALLENGE:

Agricultural warehouses often suffer from a lack of real-time monitoring of environmental conditions (temperature, humidity, ventilation). This leads to major losses due to inadequate conditions or faulty equipment that is not detected in time.

IMPACT ON THE VALUE CHAIN:

Upstream : Reduced post-harvest losses thanks to optimised storage conditions.

Downstream : Better quality products delivered to markets and processors.

SOLUTION:

Development of a mobile application integrated with IoT sensors for :

- Monitor temperature, humidity and ventilation in warehouses in real time.
- Issue automatic alerts if critical thresholds are exceeded.
- Manage historical data to optimise maintenance and storage practices (by crop/stored product).



BENEFITS OR EXPECTED IMPACT

- Reduced post-harvest losses thanks to better control of conditions.
- Improved product quality, increasing their commercial value.
- Reduced maintenance costs thanks to proactive monitoring and solar power.
- Easy access via a user-friendly, multi-user application.

SOLUTION COMPONENTS

- IoT sensors for real-time monitoring of environmental parameters.
- Connected mobile application for viewing data and receiving alerts.
- Dashboard to analyse historical data and adjust practices.
- Integration with renewable energy tools to optimise costs.

WHO WILL PAY FOR THIS SERVICE OR PRODUCT ?



SUCCESS STORIES

Aranet4 PRO

IoT sensors for monitoring air quality and environmental conditions.

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Minew

This company offers intelligent digital warehouse solutions based on IoT. Their sensors continuously monitor temperature, humidity and ventilation, enabling optimised stock management and improved productivity.

[CLICK HERE](#) ➔

Plug and Track

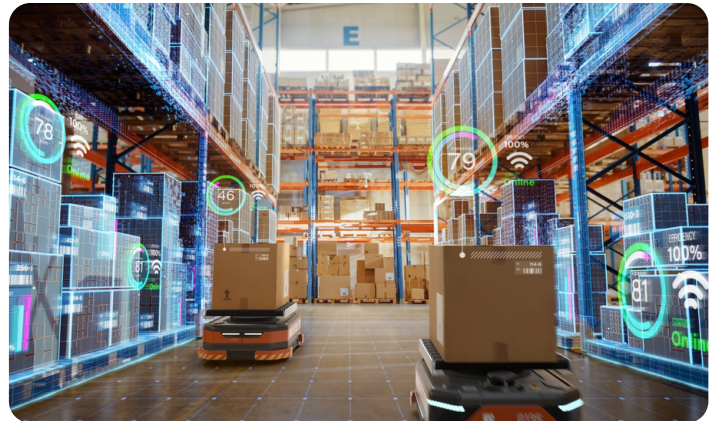
Specialising in connected temperature and humidity recorders, this company offers devices that transmit data in real time to a mobile application. Users can thus remotely monitor conditions in their warehouses and receive alerts if critical thresholds are exceeded.

[CLICK HERE](#) ➔

Seemoto

Providing IoT solutions for monitoring temperature and humidity in warehouses, Seemoto provides real-time access to data via an intuitive web interface. The system generates automatic alerts in the event of anomalies and retains historical data to optimise storage practices.

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PROCESS FOR REALISING THE OPPORTUNITY

PHASE 1:

Identification of specific user requirements (critical parameters).

PHASE 2:

Application development and integration of IoT sensors.

PHASE 3:

Pilot tests in agricultural warehouses.

PHASE 4:

Commercial launch and end-user training.

COMPLEXITY



LEVEL OF INVESTMENT NEEDED



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

Combined with

04-06

Linked in chain

06

complementary goals

17A