

SURVEILLANCE SYSTEM

CAMERA DETECTION OF DEAD ANIMALS

Infrared camera tool for detecting dead animals on rabbit and poultry farms.

A **camera scans the farm building** (using a cable attached to the building), detects any dead animals by infrared and sends a notification to the farmer indicating the exact location of the dead animal.

Design:

- ✓ Infrared camera
- ✓ Location sensor (GPS)
- ✓ Pan-tilt movement mechanism (actuator motor for the camera)
- ✓ Mobile app
- ✓ Image processing system
- ✓ Camera control
- ✓ Hardware and software integration

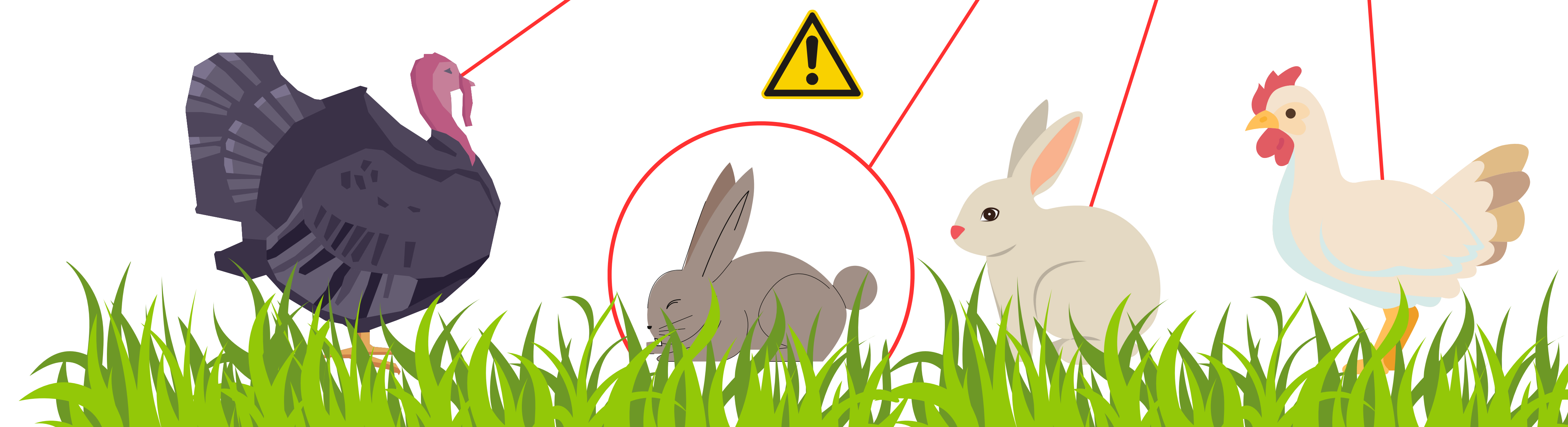
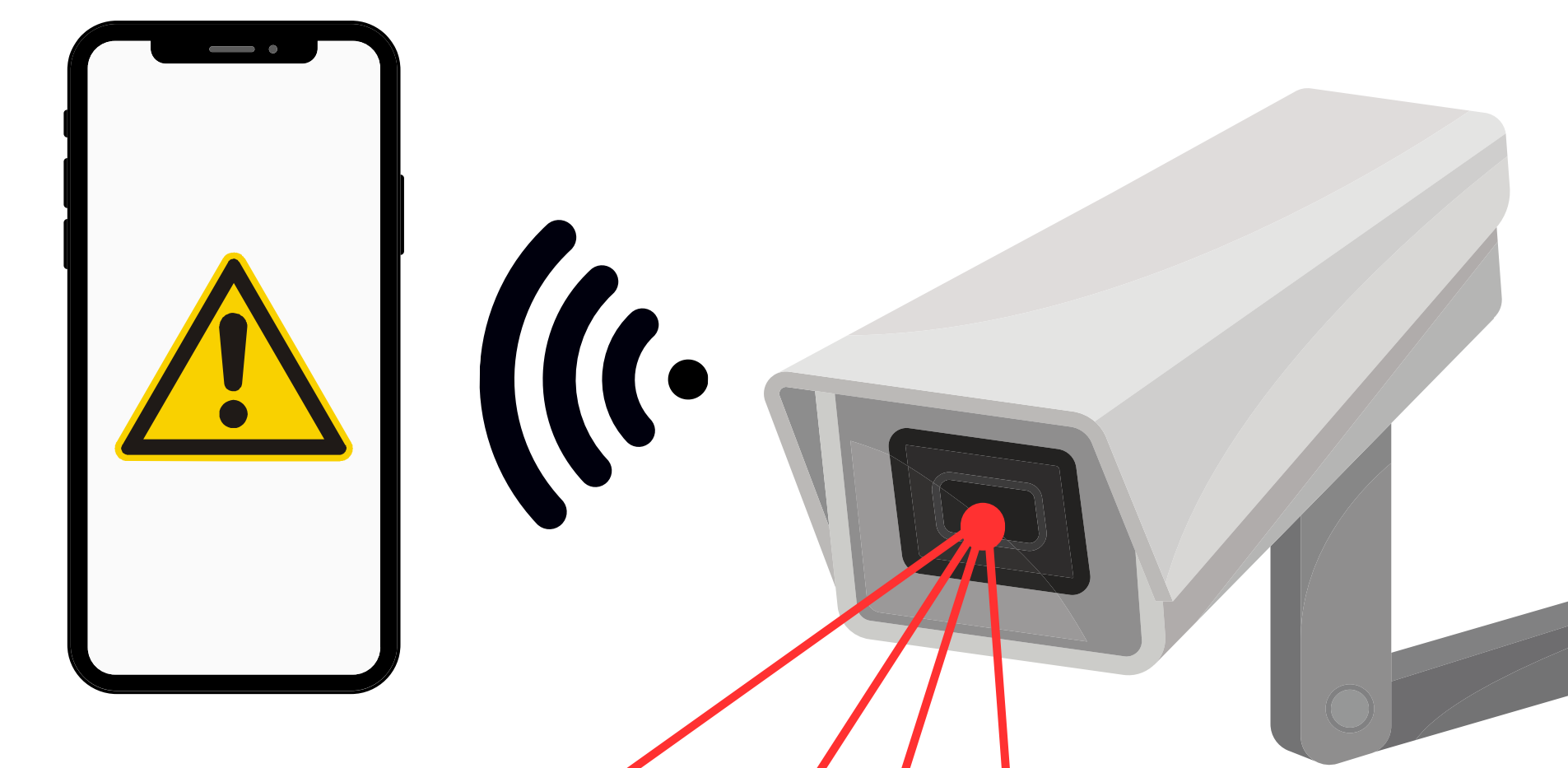
Project carried out by:

- **Louan SALVAR** – Lycée Kerlebost
- **Chloé CRÉTÉ** – Lycée Kerlebost
- **Mohamed Reda AMIDOU** – ESIR
- **Salaheddine BOUDGUIGUE** – ESIR

Needs:

- ✓ Camera mobility
- ✓ Panoramic view
- ✓ Precise detection and location
- ✓ Communication with the farmer

**Infrared surveillance system
for detecting and
locating dead animals in
animal farming**



**TECH
AGRI**
Challenge
BY INNOVSPACE
2023