

Team

Guardians of Agriculture





Scarecrow

Motivation

Q2 Introduction

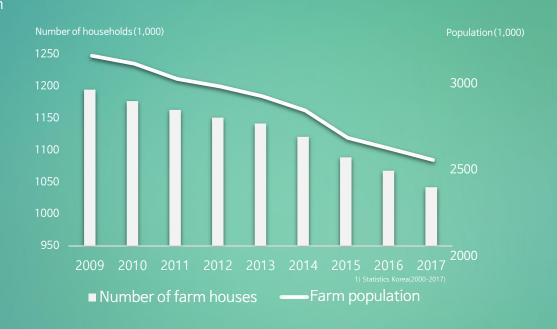
03 Detail idea

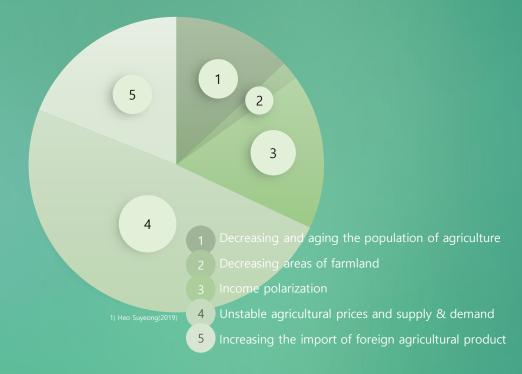
04 Benefits



Decreasing and Aging the Population of Agriculture Biggest Problems in Agricultural Society

Motivation



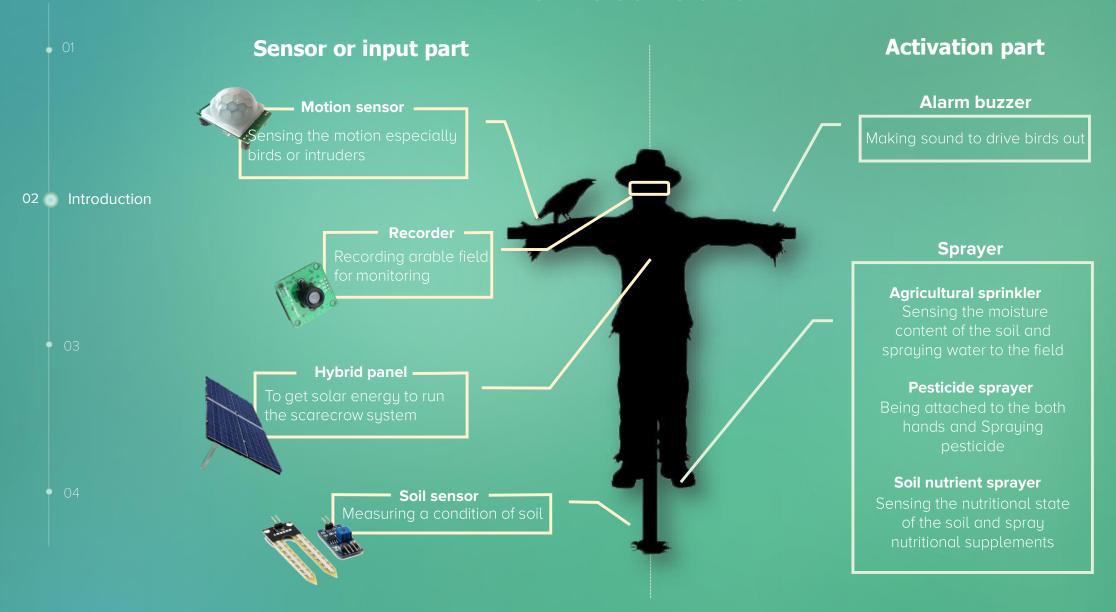


- Young people tend to avoid working in agriculture
- The population in agriculture is getting decreased





IoT scarecrow



Product Management Soil sensor and Sprayer Introduction **Energy Control PV/T with Hybrid Panel**

02

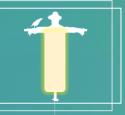
Harmful Animal Eradication

Motion sensor and Alarm buzzer

04

Farm Monitoring

Recorder and Application



Product Management

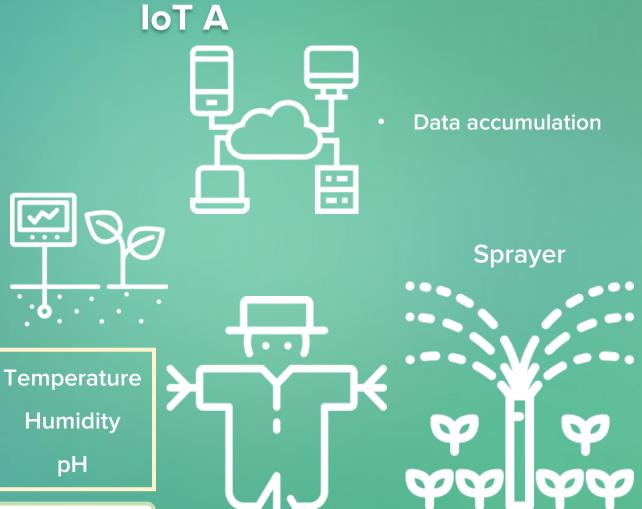
ERICSSON Guardians of Agriculture

Soil sensor and Sprayer

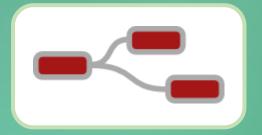
Detail idea

Humidity pH

Soil Sensor



Node-RED

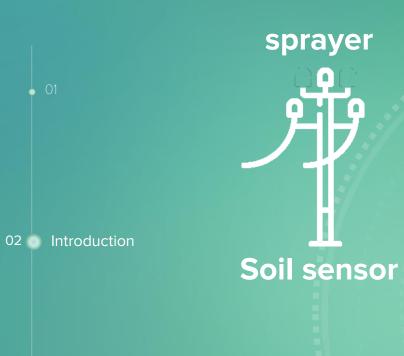


Agricultural sprinkler

Pesticide sprayer

Soil nutrient sprayer





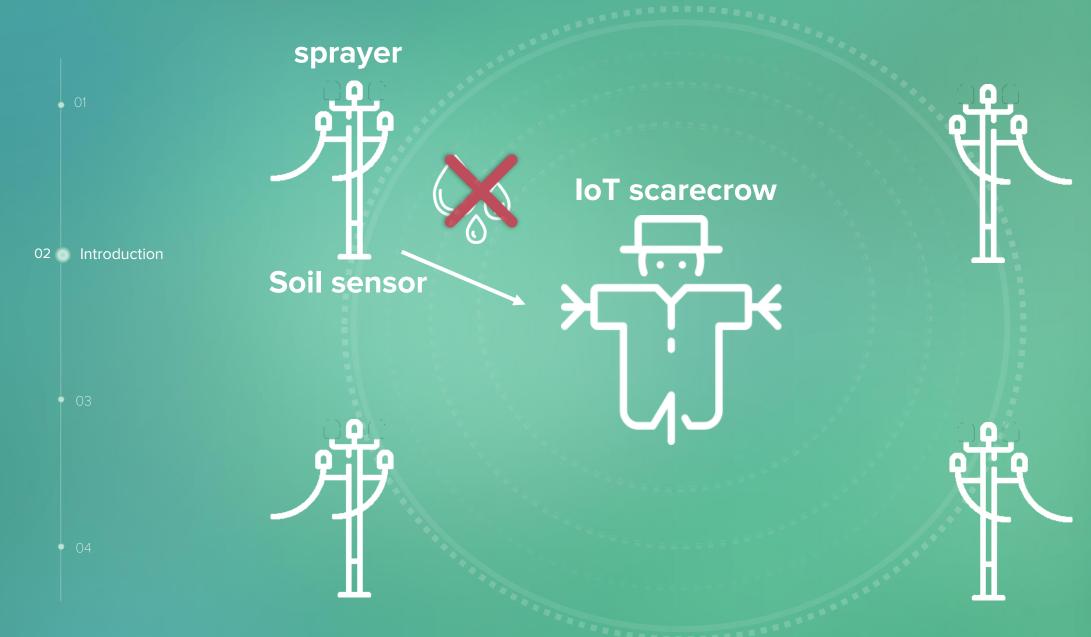




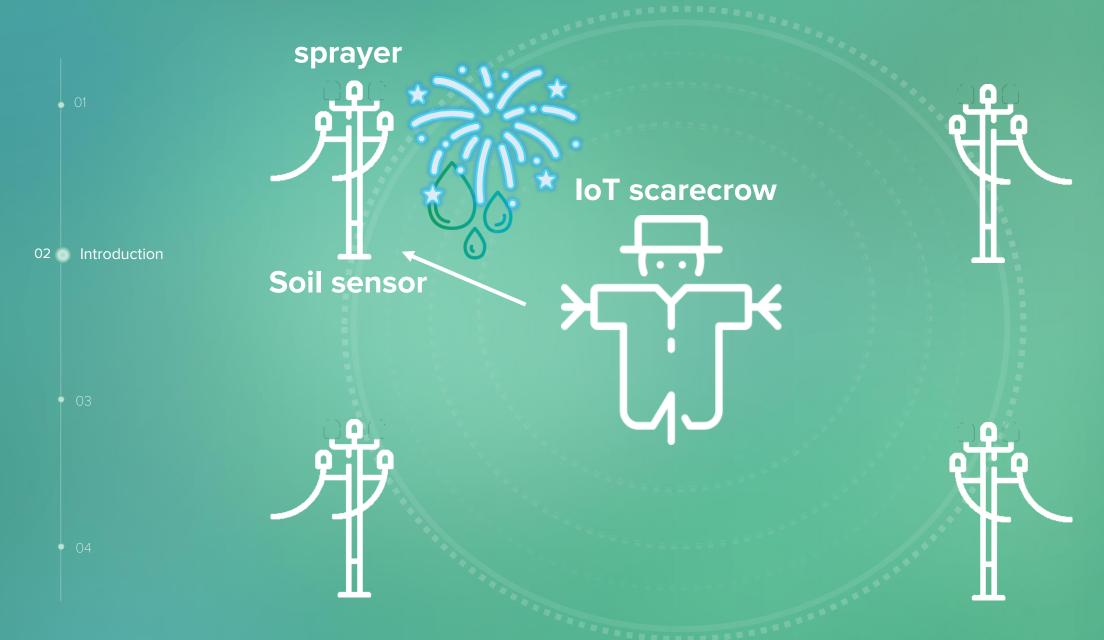






















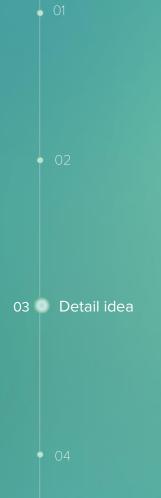




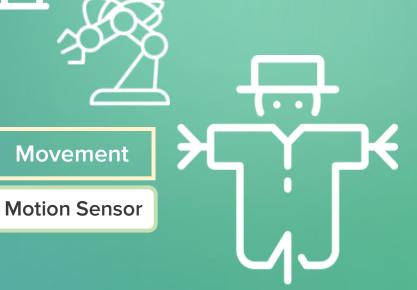
Harmful Animal Eradication



Motion sensor and Alarm buzzer



Movement







- Data management
- Alarm event
- History



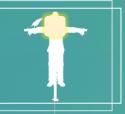
Energy Control



PV/T with Hybrid Panel

PV/T energy Hybrid panel **X4** Detail idea 03

- Data management
- Automatic device control



Farm Monitoring



Recorder and Application

IoT A

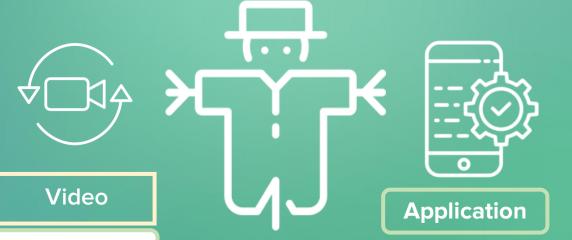
Recorder



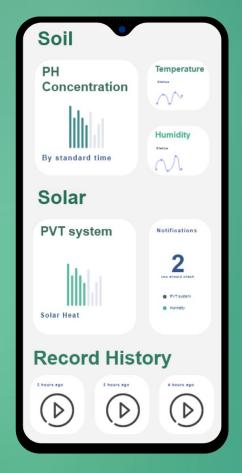
- Data management
- Notification
- History

03 Detail idea

04









01 Quality Certificate

- → Measuring and Managing data
- → Producer: Handling stored data to improve the quality of product
- →Consumer: Checking the quality of product based on the data
- →Satisfying Consumers' needs
- → Activating dealing of product

02 Automation

- → Lowering labor intensity and Saving time
- →Increasing convenience
- → Making an influx of young people
- → Helping the mitigation of aging

03 Sustainable Energy

- → Maximizing the efficiency of energy use
- → Hardly costing except hybrid panels

02

03

04 Benefits



Thank You