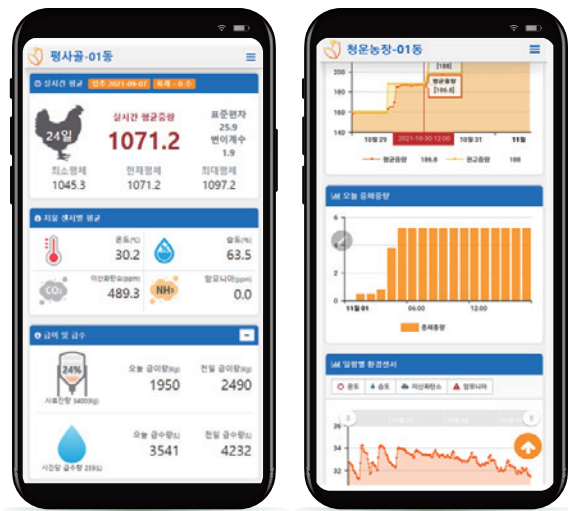


kokofarm

SW Composition

User's App



- Average weight calculation every 10 minutes
- Weight change per hour/age
- Environmental change per hour/age
- Real time feed/water supply monitoring
- Four level alarm (normal, caution, warning, danger)
- Various statistical data
- 'Save as an Excel file' function

Automated environment control SW



Features include a touch screen

- Control for all running devices (ventilation fan, in-net, lighting, carrier, feed dispenser, water supply, heater, cooling door, etc.) in the henhouse
- With a touch screen and manual switch
- App-facilitated real-time remote control
- Full automation / Semi automation / AI mode options
- Alarm service following the outbreak of emergency
- Multi-language support



Company Name E-Motion Inc.
Address Room 301, IT Venture Center, 33, Ajung-ro, Wansan-gu, Jeonju-si, Jeollabuk-do
Tel 1577-0351
Mail kokofarm@demotion.co.kr
Homepage www.kokofarm.co.kr

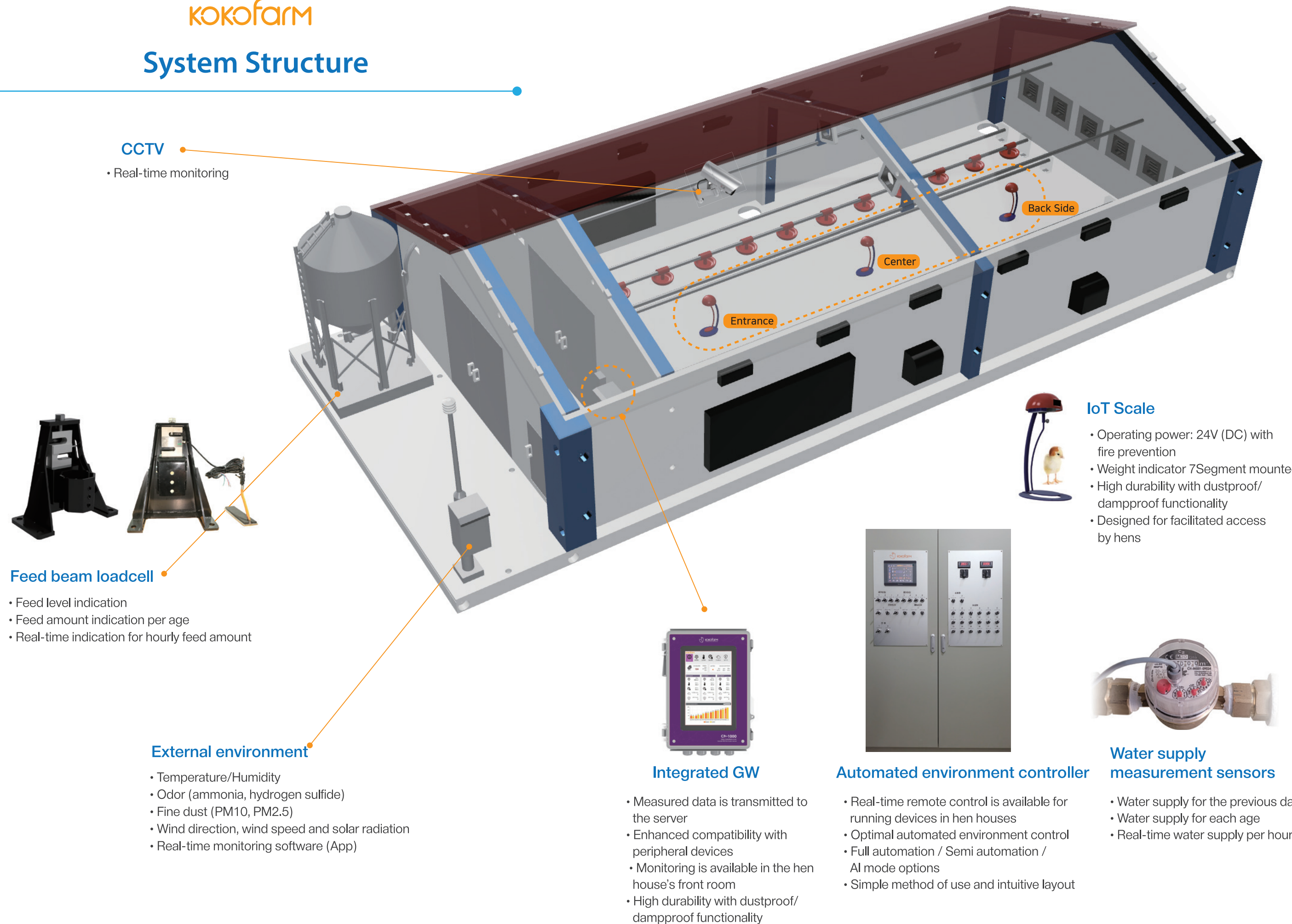
- Real-time remote monitoring and control
- Unmanned smart animal pen system
- Optimal environment and weight control
- Manpower reduction
- Feed cost reduction



KOKOfarm is a support system for smart farm, precision agriculture and decision-making which offers various functions including: real-time measurement of poultry bio-information and henhouse environmental data; big data accumulation and analysis; decision on optimal delivery timing; and, optimal weight control. In addition, the system makes use of an automated environment control system tailored to domestic animal farms to implement a Korean style smart henhouse.



System Structure



Introduction Effect

Smart scale for broiler chickens/laying hens

Chickens/Hens are measured for their weights to calculate their average weight and environmental conditions (temperature, humidity, carbon dioxide, ammonia) are measured to signal a four level alarm (normal, caution, warning, danger)

- Decision for optimal delivery timing: Average weight is calculated every 10 minutes to support the decision-making for delivery timing.
- Feed cost reduction: Late delivery is prevented, resulting in cost reduction.
- Manpower reduction: Manual average weight calculation before delivery is changed to automated calculation.
- Improved growth rate: Continuous monitoring system including a four level alarm service.
- Immediate weight control: Average weight is calculated per 10 minutes.
- Increased production: Maximized genetic traits through intensive weight control until 20 days old (laying hens).

Automated environment controller

An automated environment control system tailored to domestic conditions through which running devices (ventilation fans, lighting, feed dispenser, water supply, heaters, inlets, etc.) in the henhouse are controlled automatically.

- Optimal environment control: Based on specification management manual / big data analysis and deep learning technology are used.
- Simple method of use: Korean language, intuitive layout
- Both full automation and semi automation are available.

KOKOfarm product composition

