

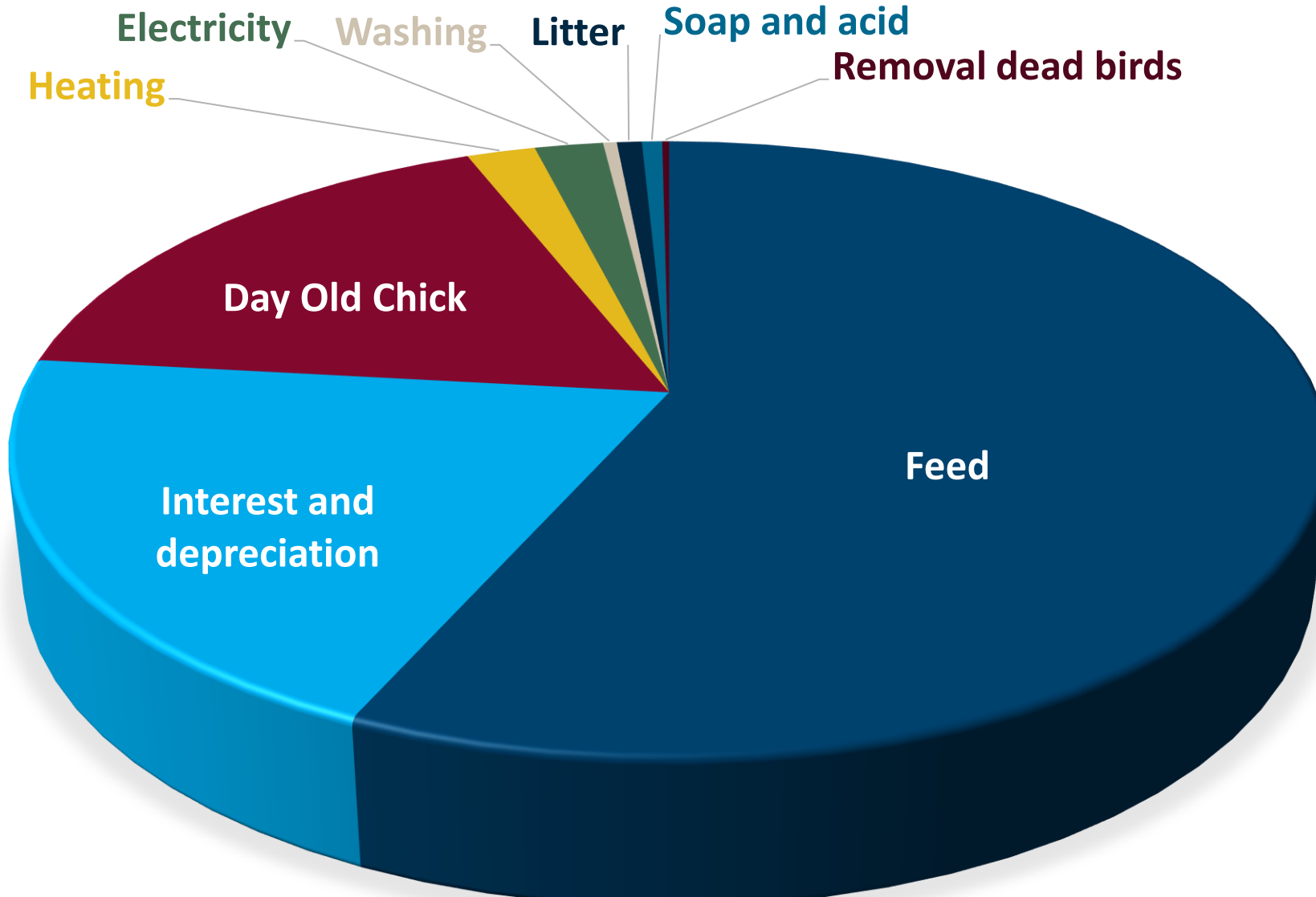
# Poultry ventilation FARMTEC

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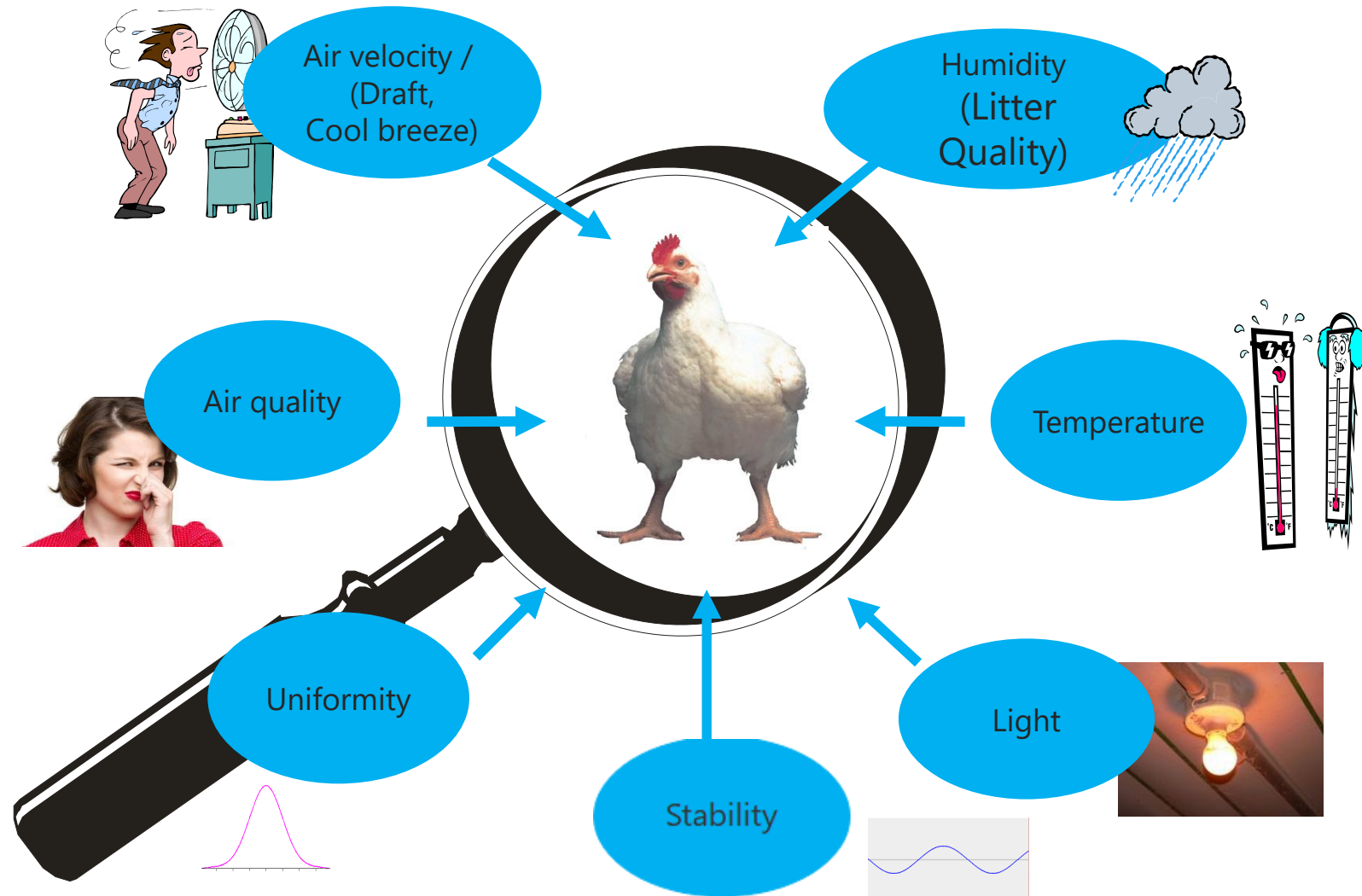
# Contents 1

- Birds' climate demand general (Broiler, Breeder, Layer)
- How to ready your birds and make that into controller actions
- Blue Control, new user interface

# Cost distribution, the integrator



# Climate demand of the bird



# Use your senses to judge the climate

Figure 3: Stockmanship - using all the senses to monitor the flock.

## Hearing

Listen to the birds' vocalization, breathing, and respiratory sounds. Listen to the mechanical sounds of fan bearings and feed augers

## Sight

Observe behavior such as bird distribution in the house and number of birds feeding, drinking, and resting. Observe the environment such as dust in the air and litter quality. Observe bird health and demeanor such as posture, alertness, eyes, and gait.

## Smell

Keep notice of smells in the environment such as ammonia levels. Is the air stale or stuffy?

## Taste

Water and feed quality.

## Touch

Handle the birds to assess crop fill and check the birds' general condition. Take notice of air movement across your skin. Is there a draft? What does the temperature of the house feel like?



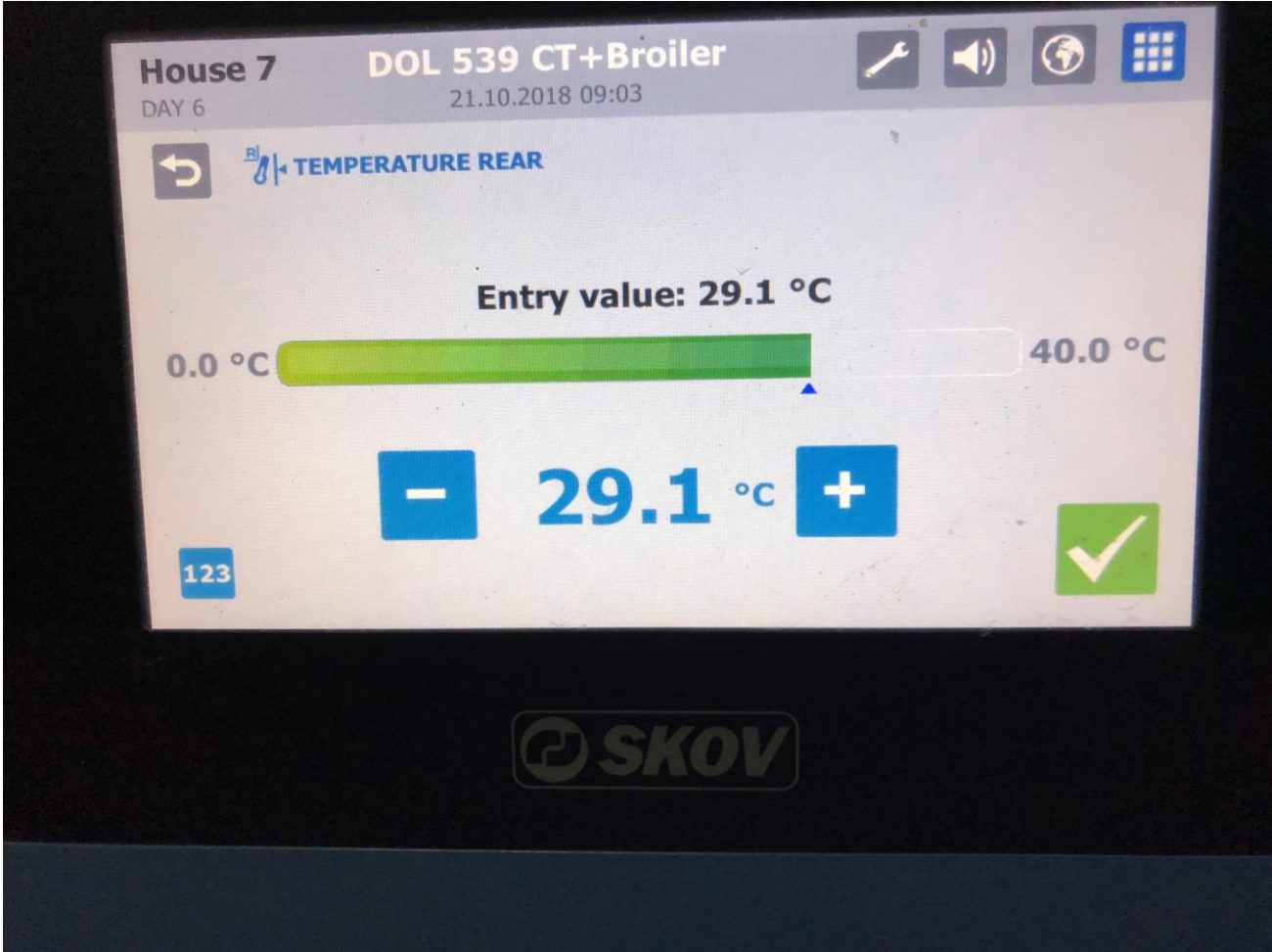
# Correct climate and active birds (Video)



# Day 5 - Birds a bit cold (Video)



# Temperature up 0.3 degrees





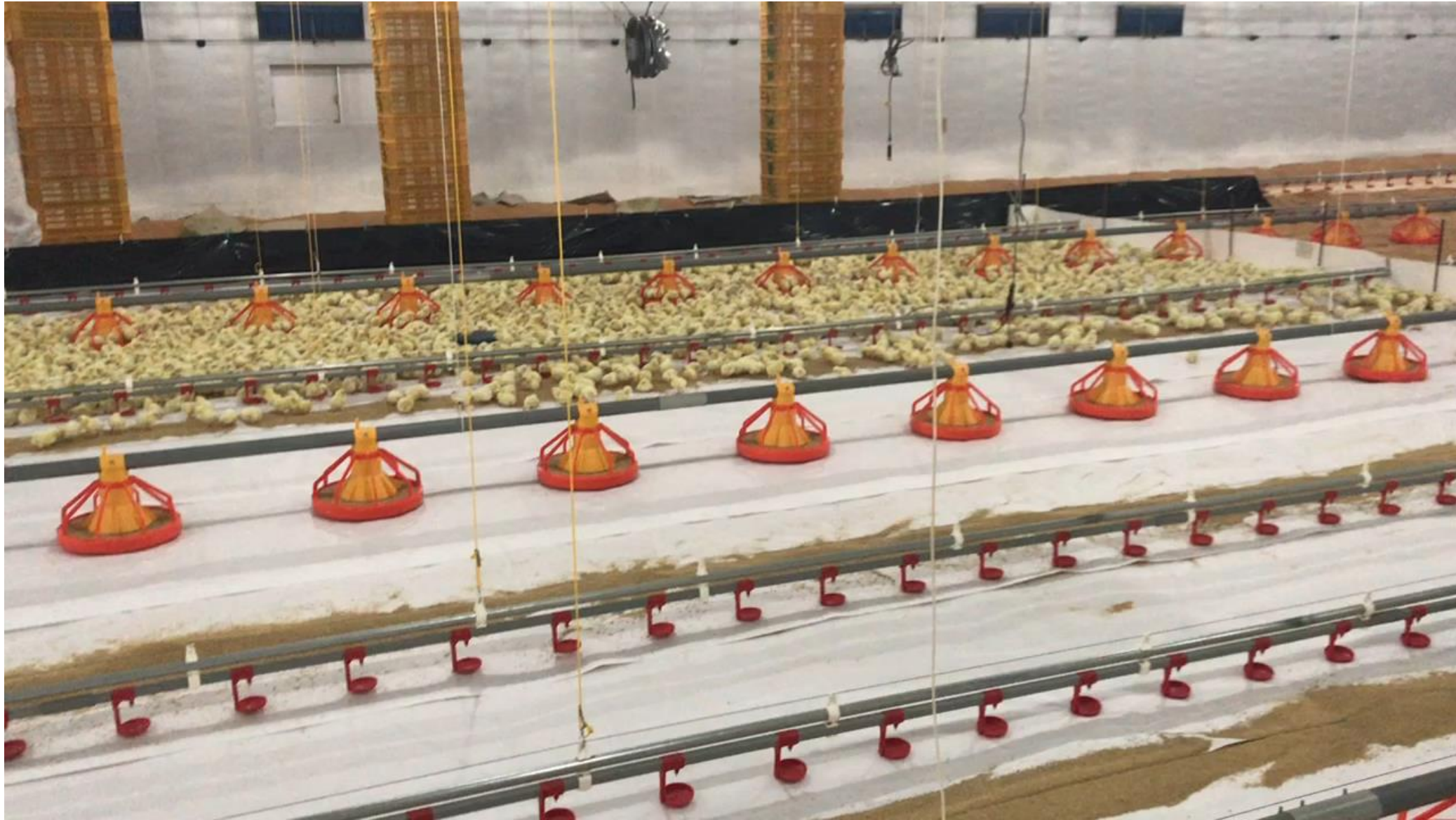
# Day 5 - Just 20 minutes later (Video)



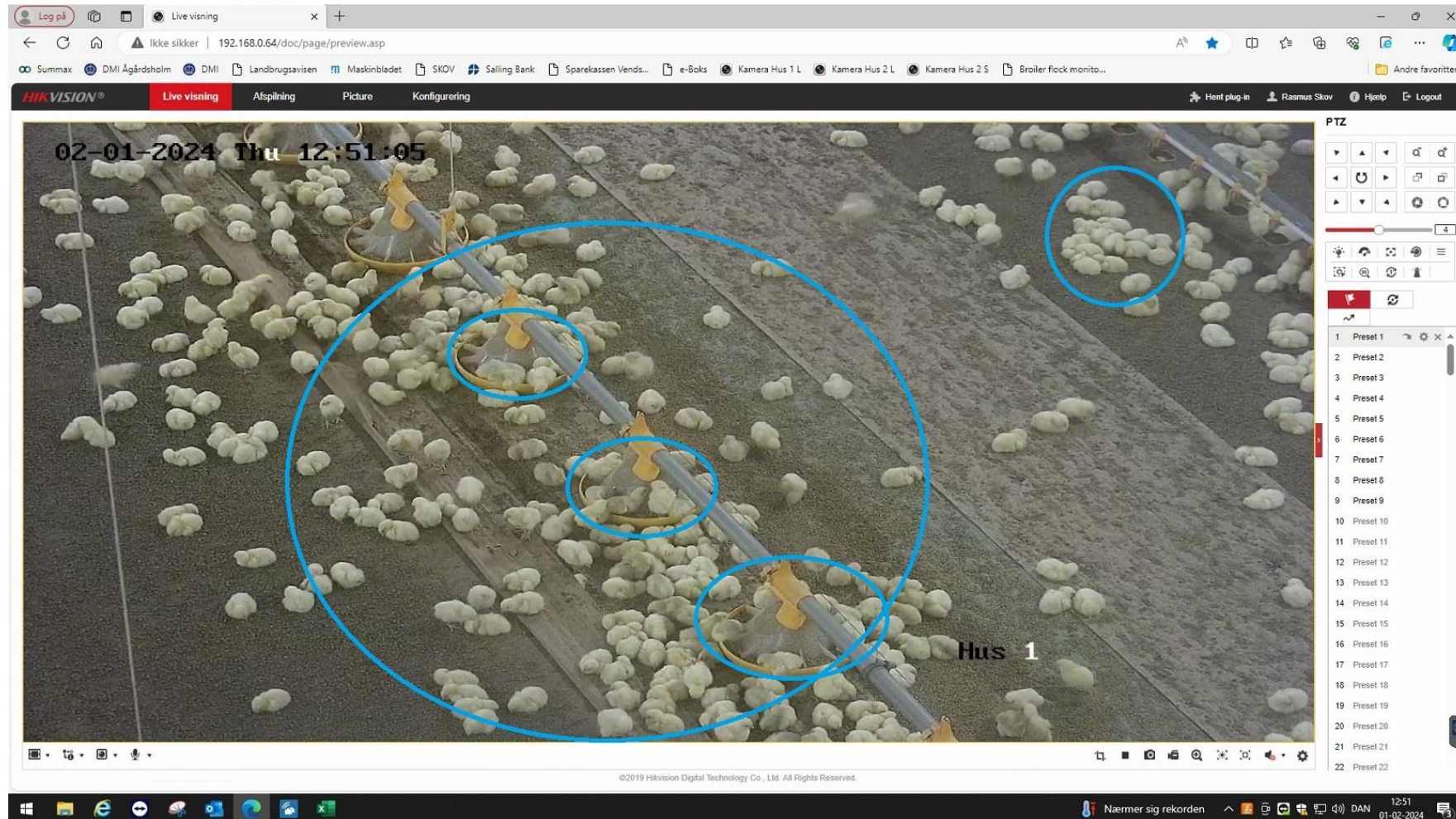
# Slightly hot birds (Video)



# Birds go to mom (Call birds to you)



# Cold birds



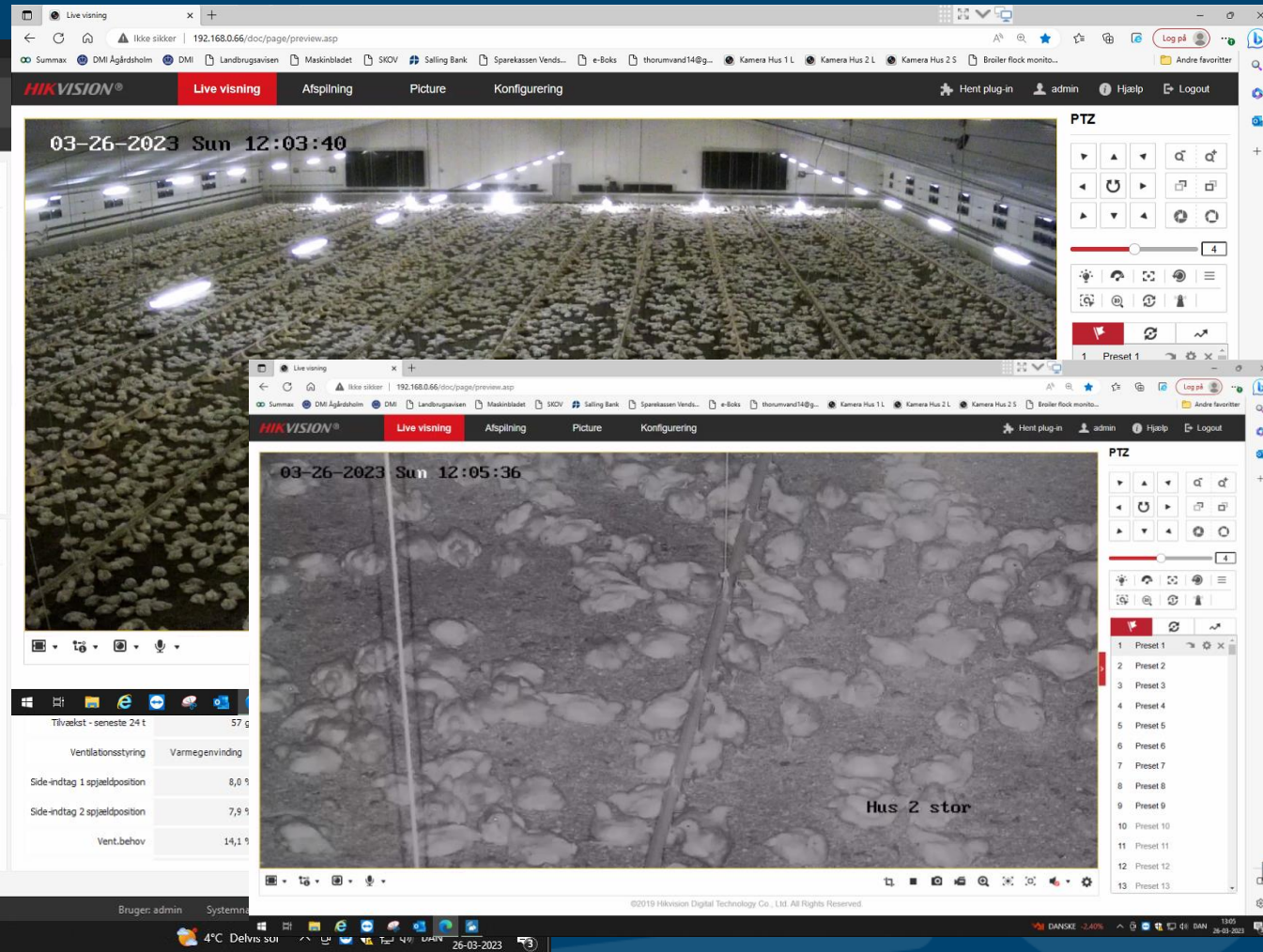
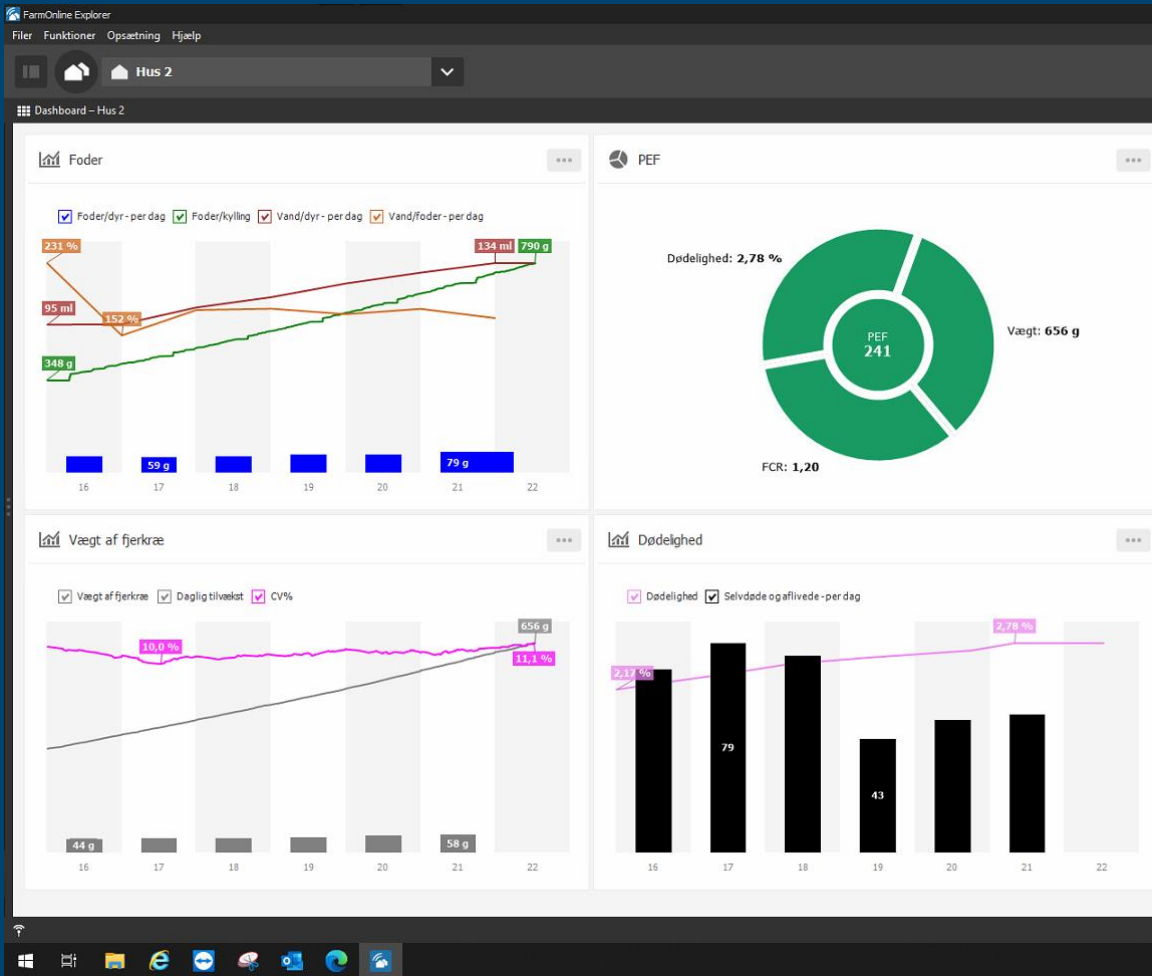
# Comfortable birds (No bird in feeder pand)



# Surveillance cameras



# Remote support (Farm Online + Camera)



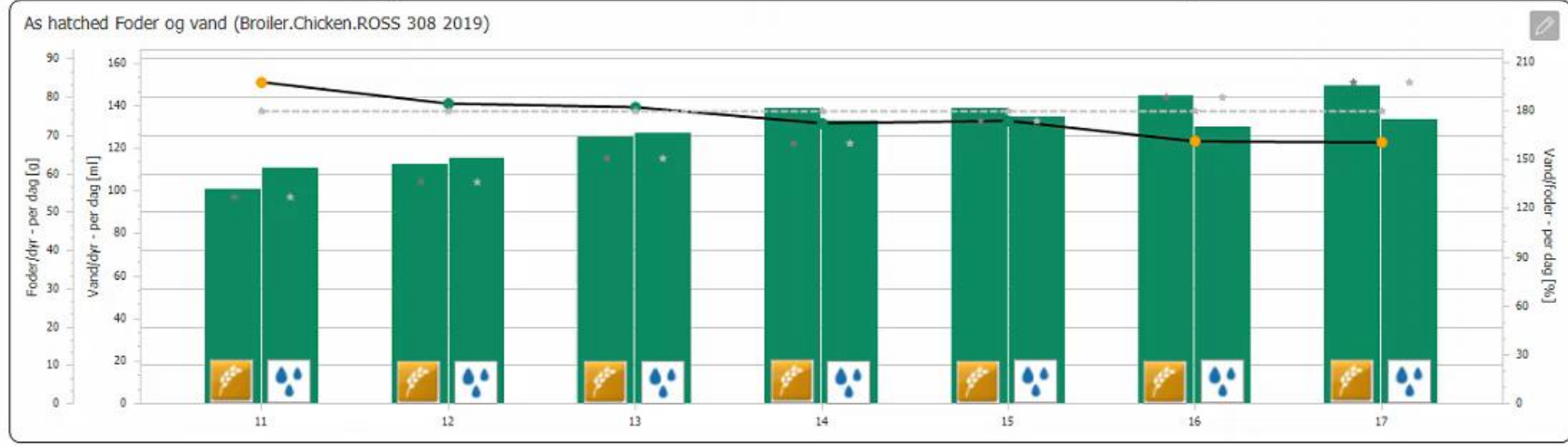
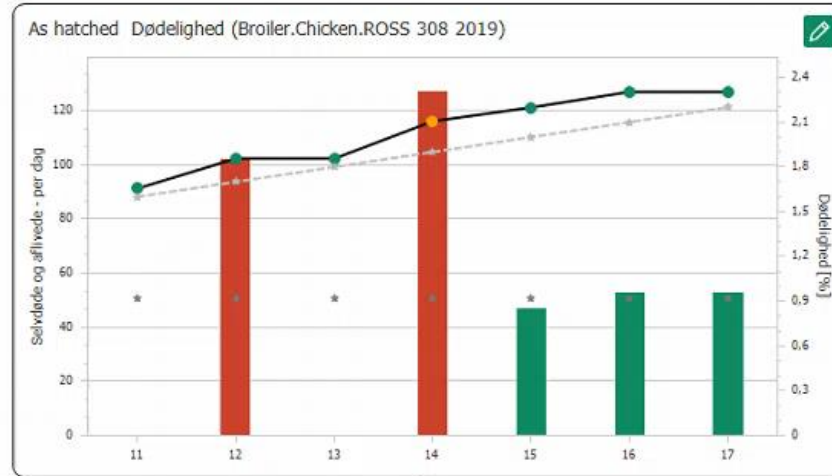
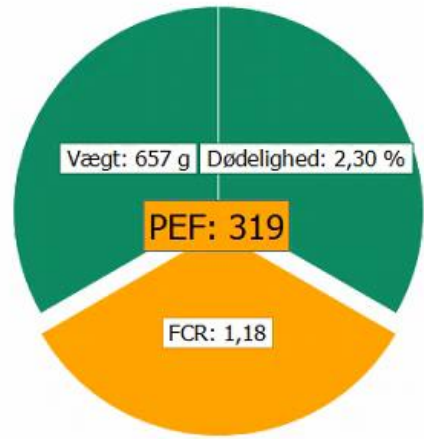
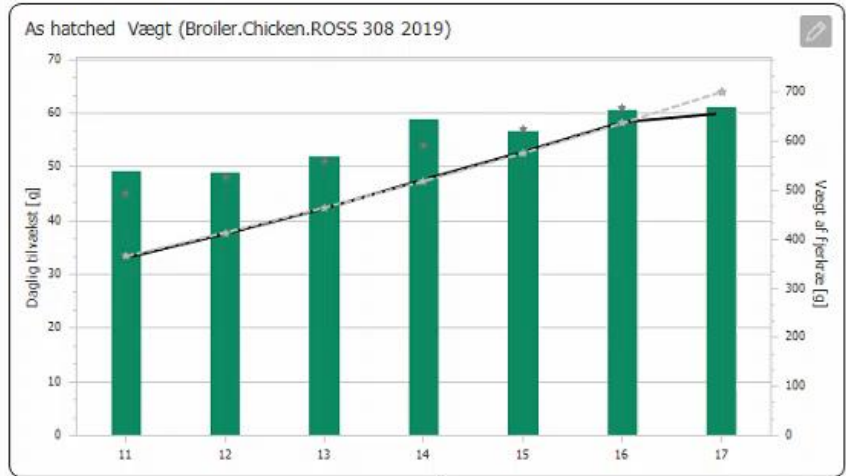
Overblik   Detaljer   Rapporter

Reference: **Broiler.Chicken.ROSS 308 2019**

Dag   Flok

◀ **Dag: 11 – 17 (af 17)** ▶

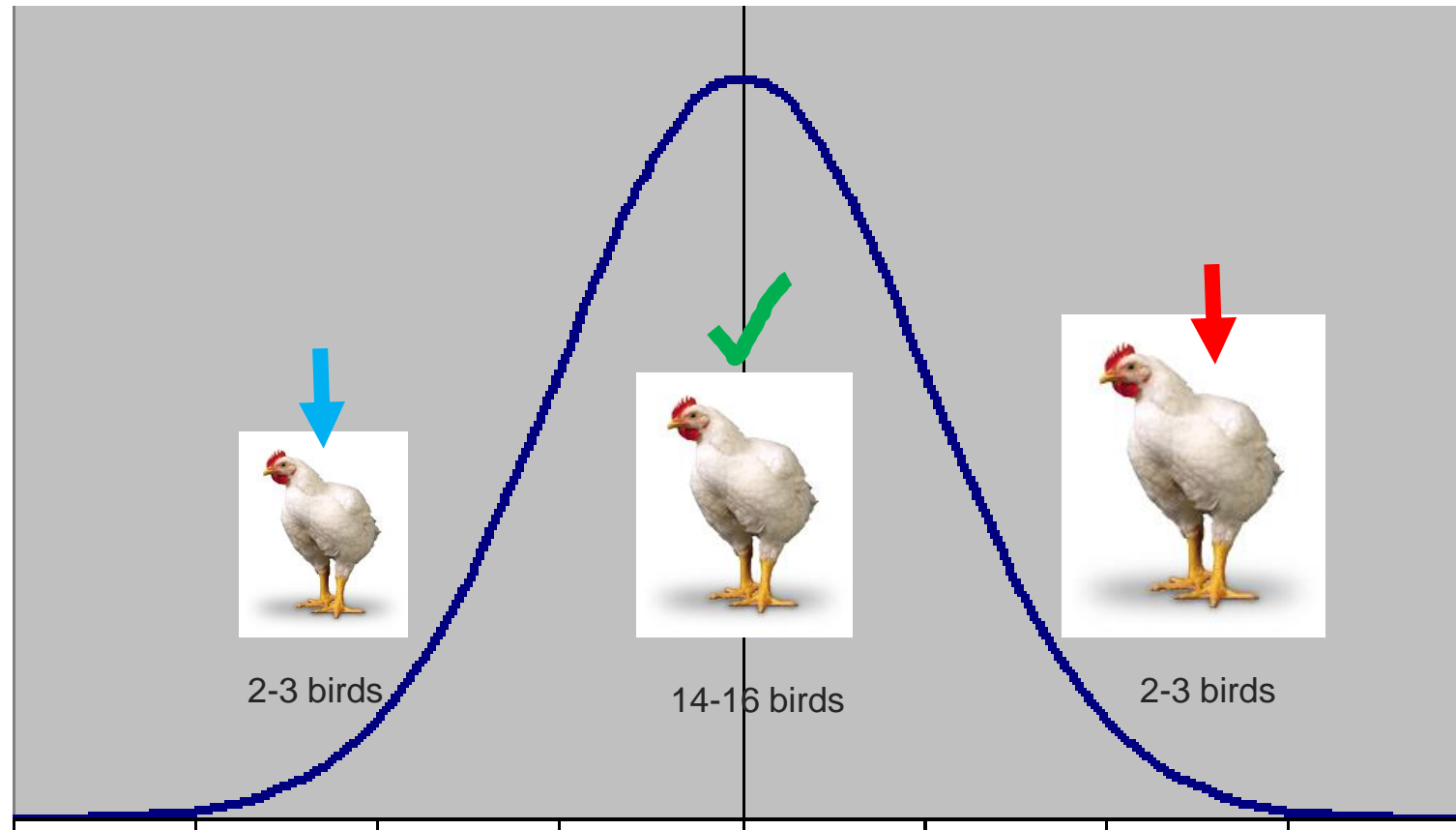
Vælg dag



**⚠ Aktive produktionsalarmer**  
 Antal aktive alarm(er) i denne stald: 2   [Alarmløg](#)



# Correct experienced temperature (Comparison of 20 birds)



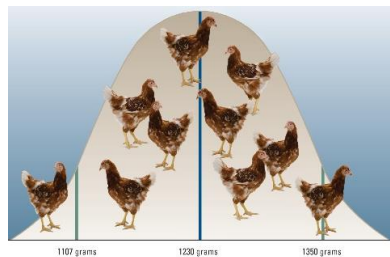
# Flock uniformity

- Uniform flock: All birds need the same
- Temperature, humidity, air velocity
- Daily management of feed and water

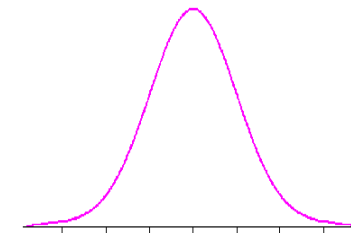
Broiler



Breeder

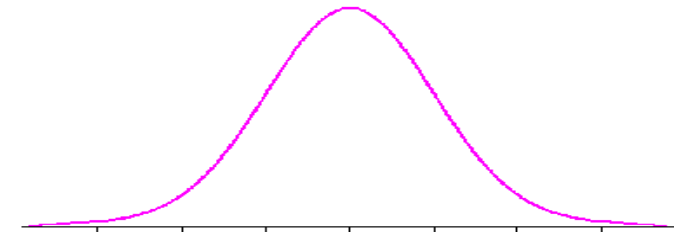


CV%=9%



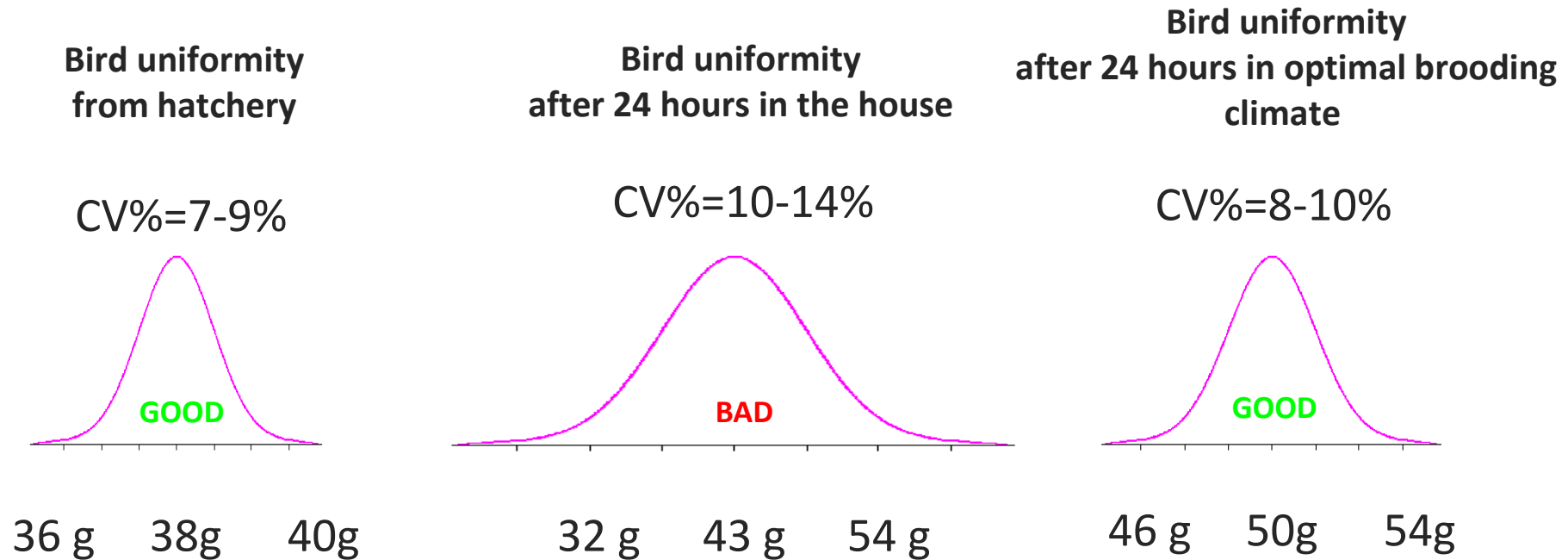
GOOD

CV%=13%

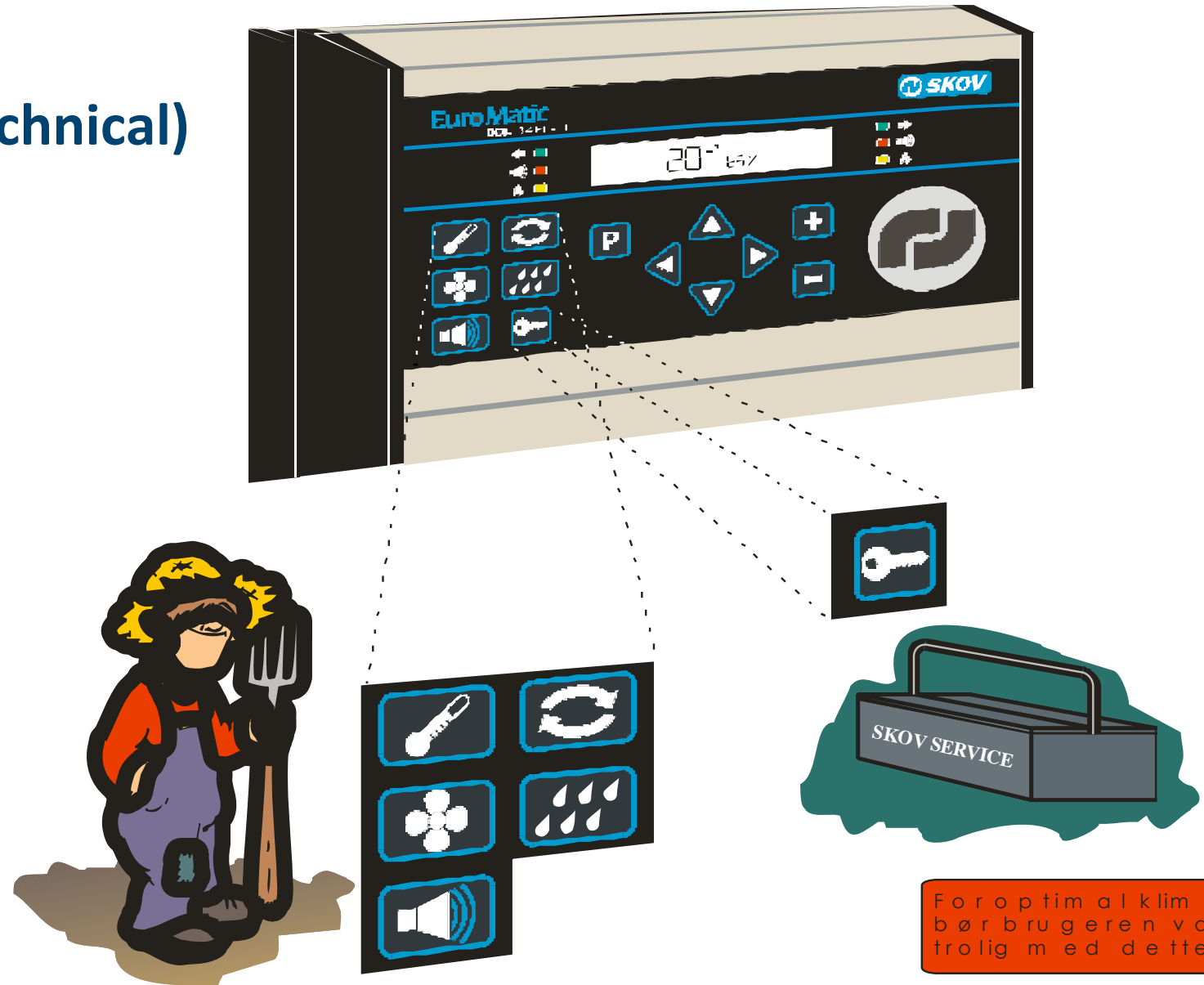


BAD

# Flock uniformity - the result of great variations in brooding area



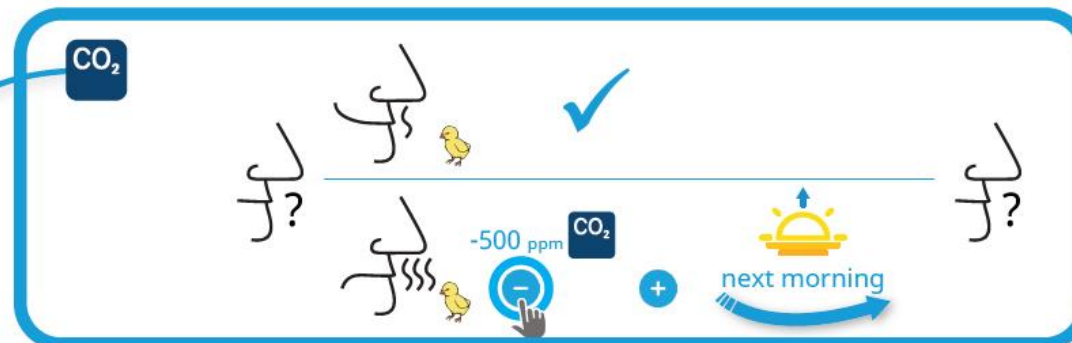
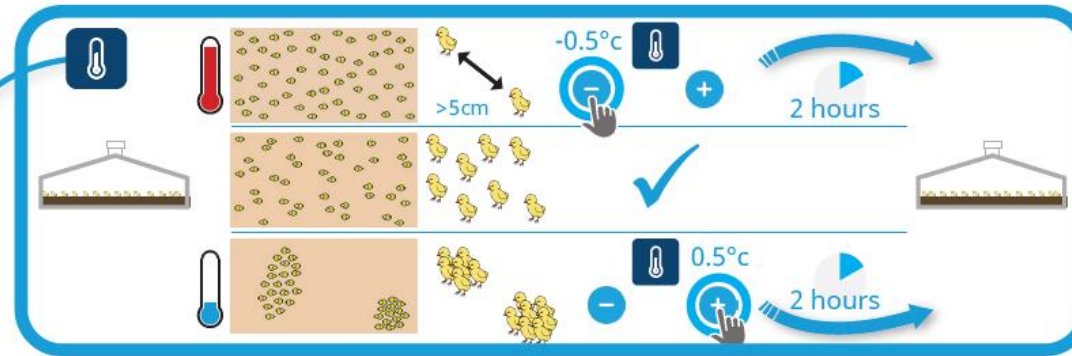
# Control (Birds or technical)

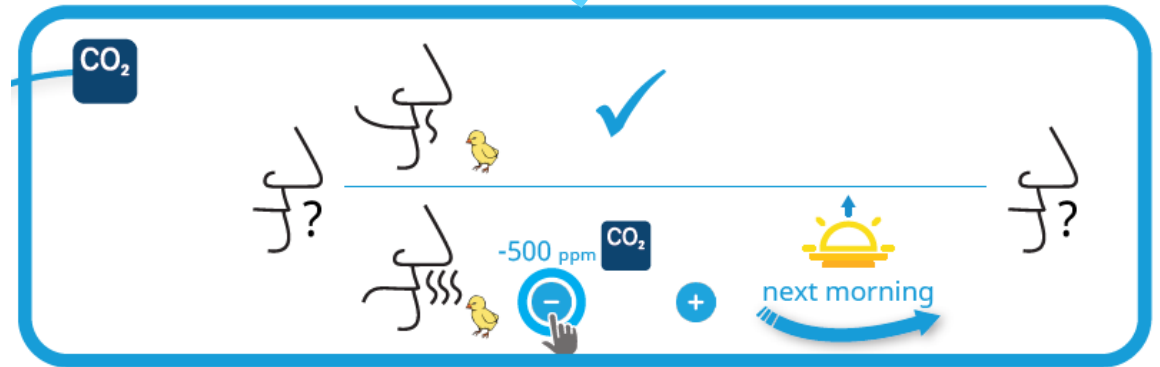
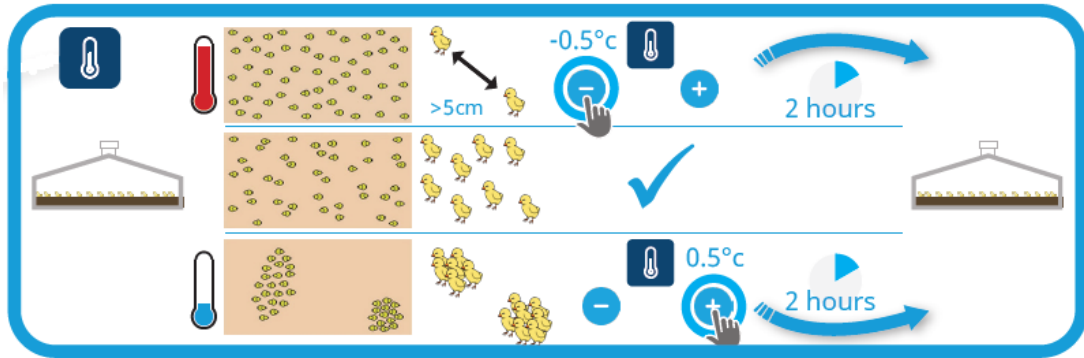
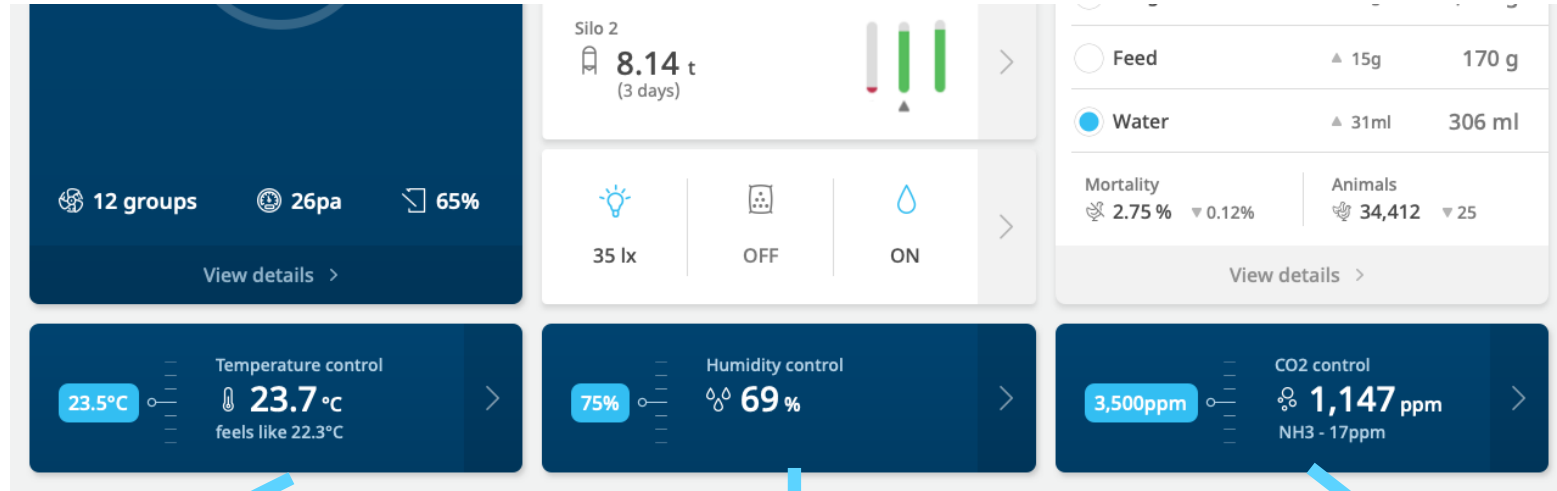


For optimal klima/brug, bør brugeren være fortrolig med dette.

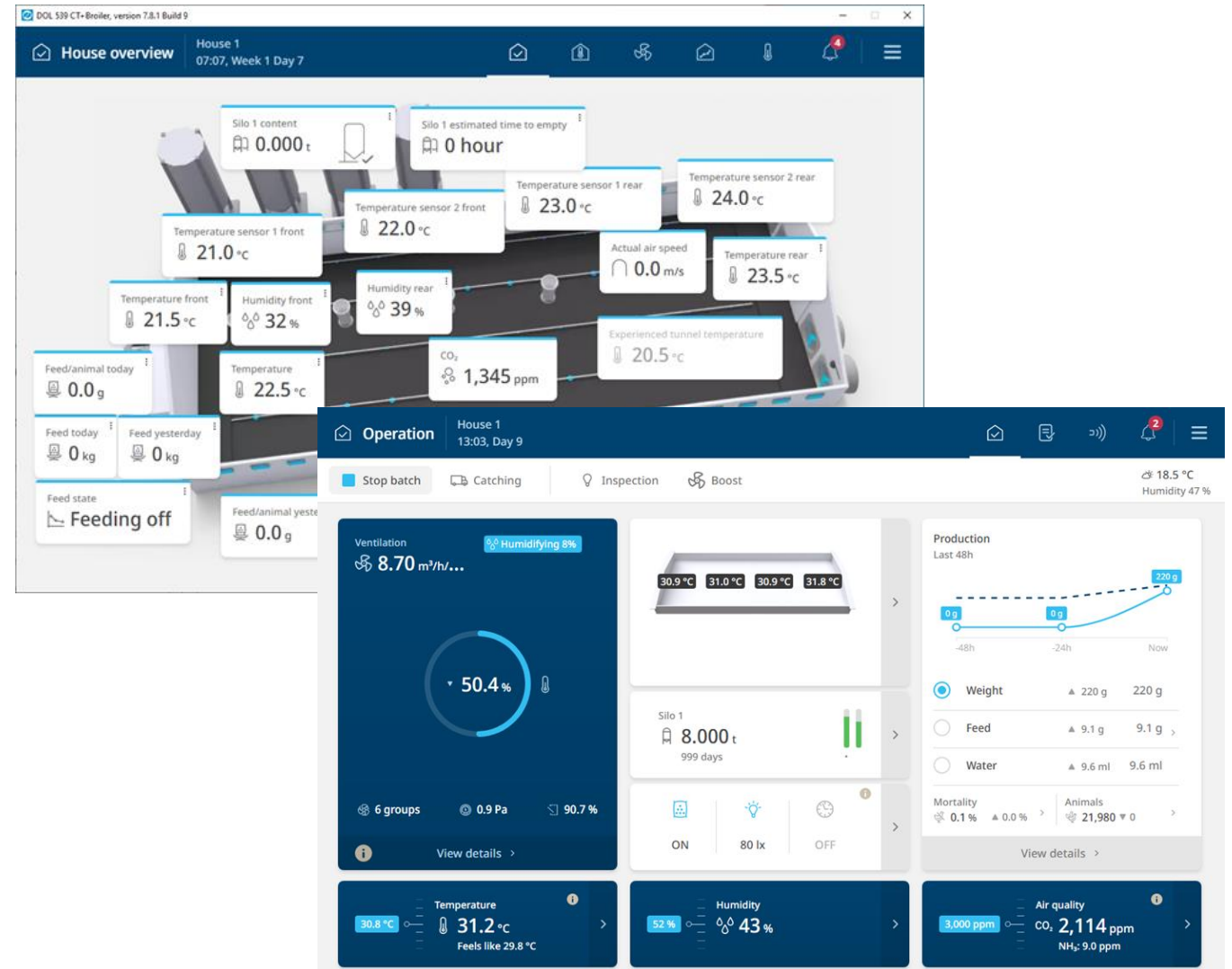
# Dol 539 Operation Instruction

## BlueControl Broiler Daily View Guide

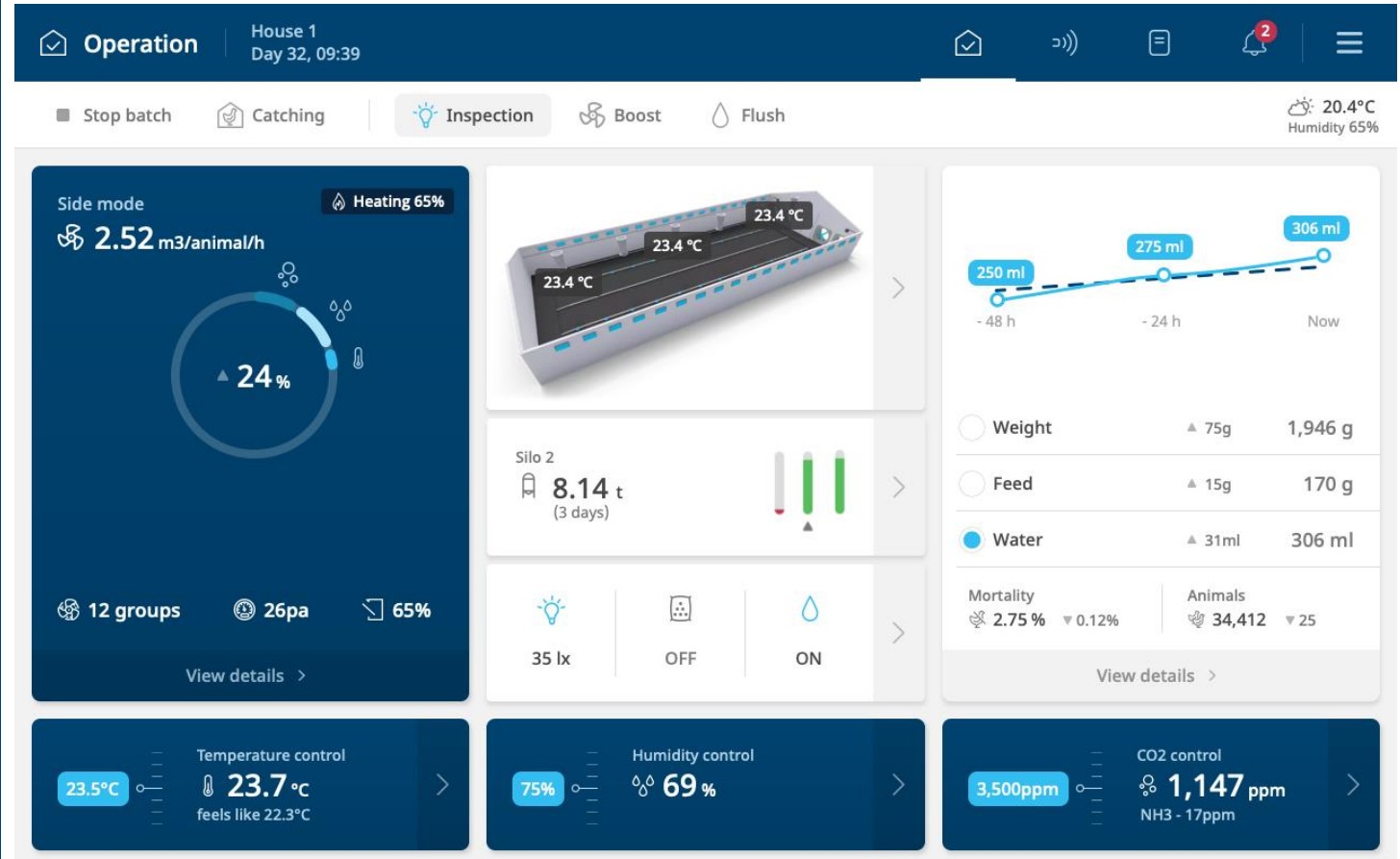




# BlueControl



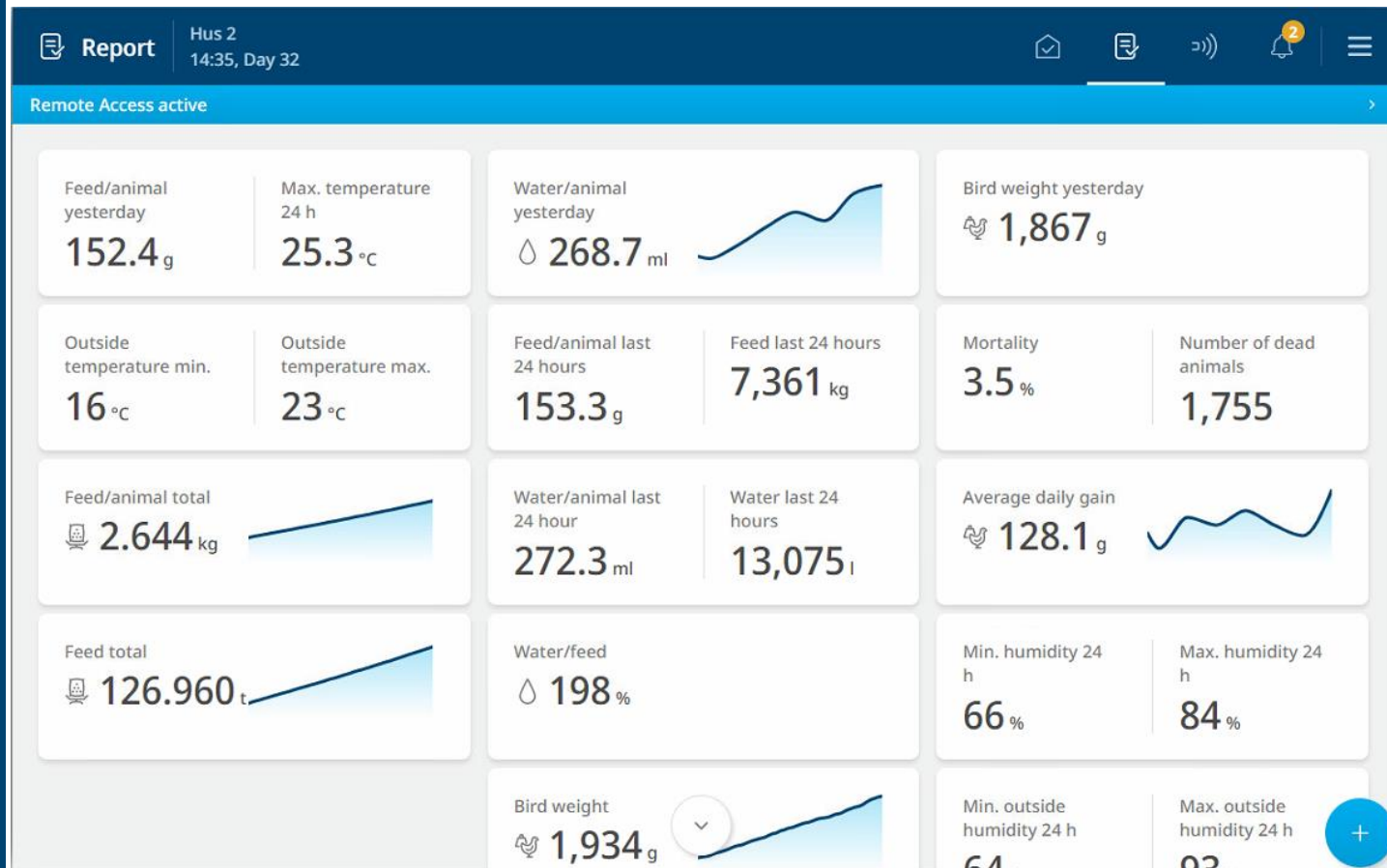
# Front Page





# Reporting

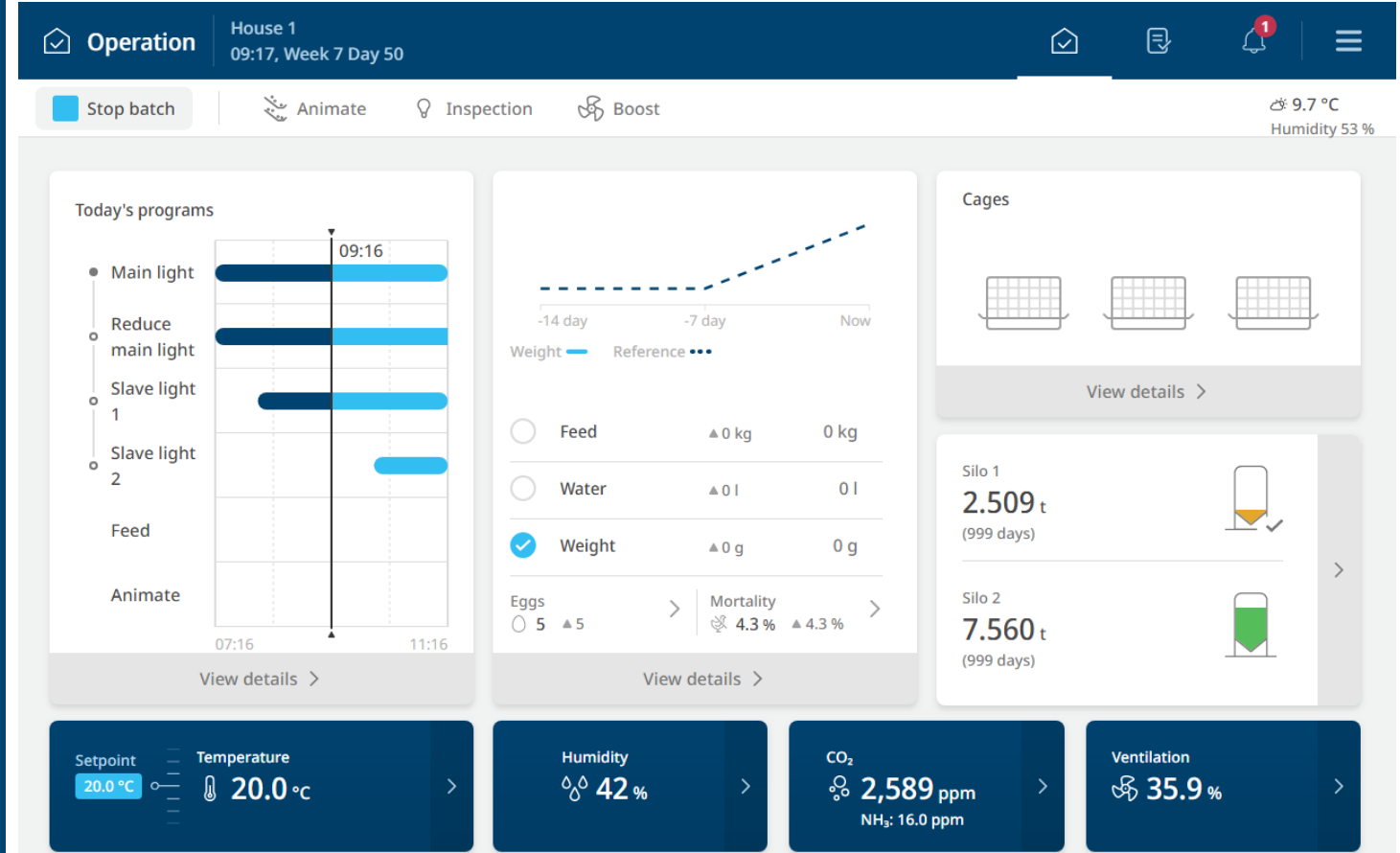
- Tailor-make the data you need to report



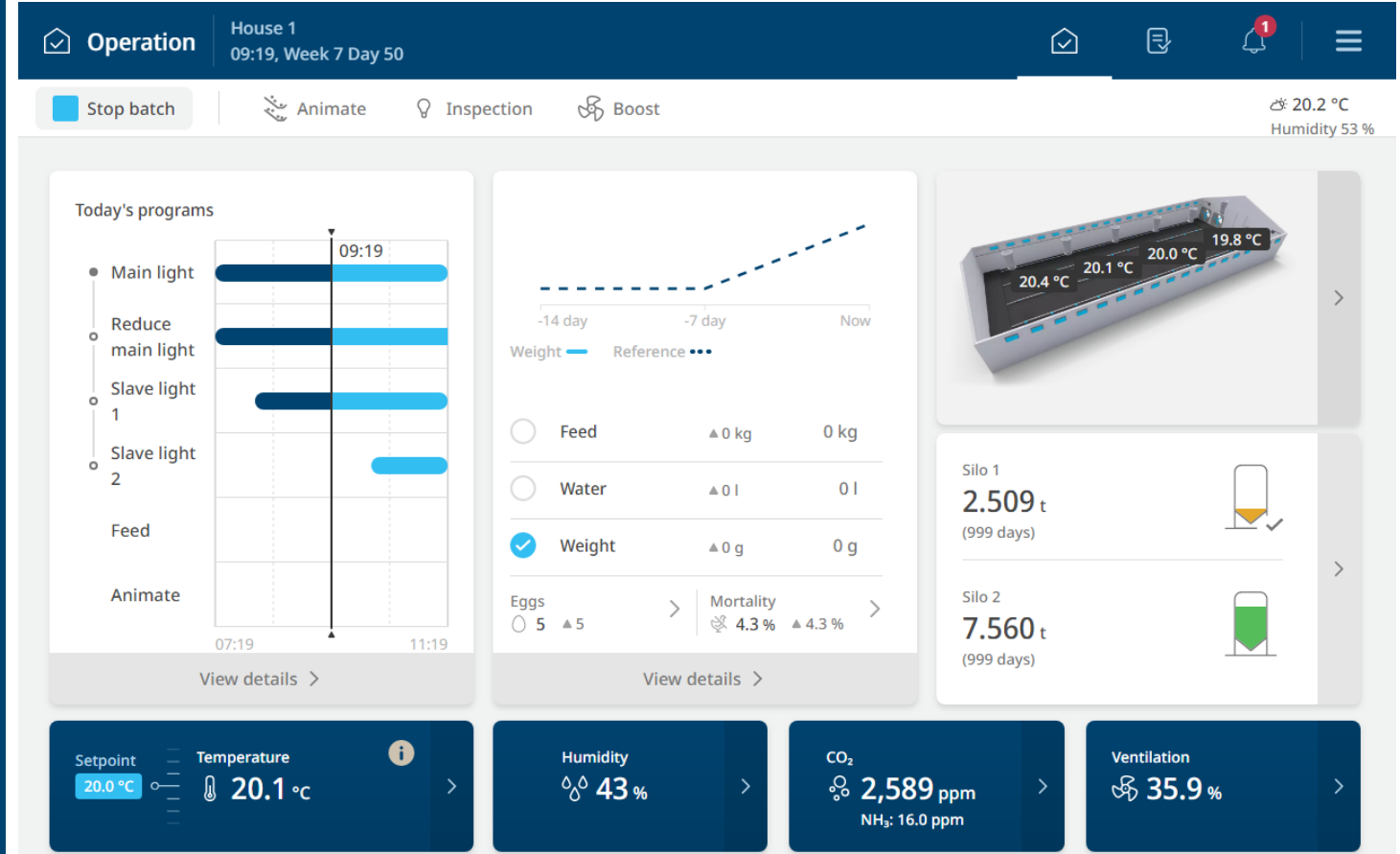
# What about the other domains?



# Layer cage



# Layer aviary



# Breeder

Operation | House 1 | 10:39, Week 7 Day 50

Stop batch | Inspection | Boost | Flush

 🌡️ 18.5 °C  
 💧 Humidity 62 %

Today's programs

|                        |               |
|------------------------|---------------|
| Main light             | 08:39 - 12:39 |
| Filling                | 10:39         |
| Female feed            | 08:39 - 12:39 |
| Male feed              | 10:39 - 12:39 |
| Water flushing         |               |
| Temperature controlled |               |

View details >

Females | Males

Feed — Reference ...

|  |          |        |
|--|----------|--------|
| <input checked="" type="checkbox"/> Feed | ▲ 0.0 g  | 0.0 g  |
| <input type="checkbox"/> Water           | ▲ 0.0 ml | 0.0 ml |

Eggs  
 11 ▲ 11

View details >

Silo 1  
2.351 t  
(999 days)

Silo 2  
7.852 t  
(999 days)

Temperature

21.8 °C

20.2 °C

Humidity

13 %

CO<sub>2</sub>

2,270 ppm

NH<sub>3</sub>: 12.7 ppm

Ventilation

3.1 %

# Questions?

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