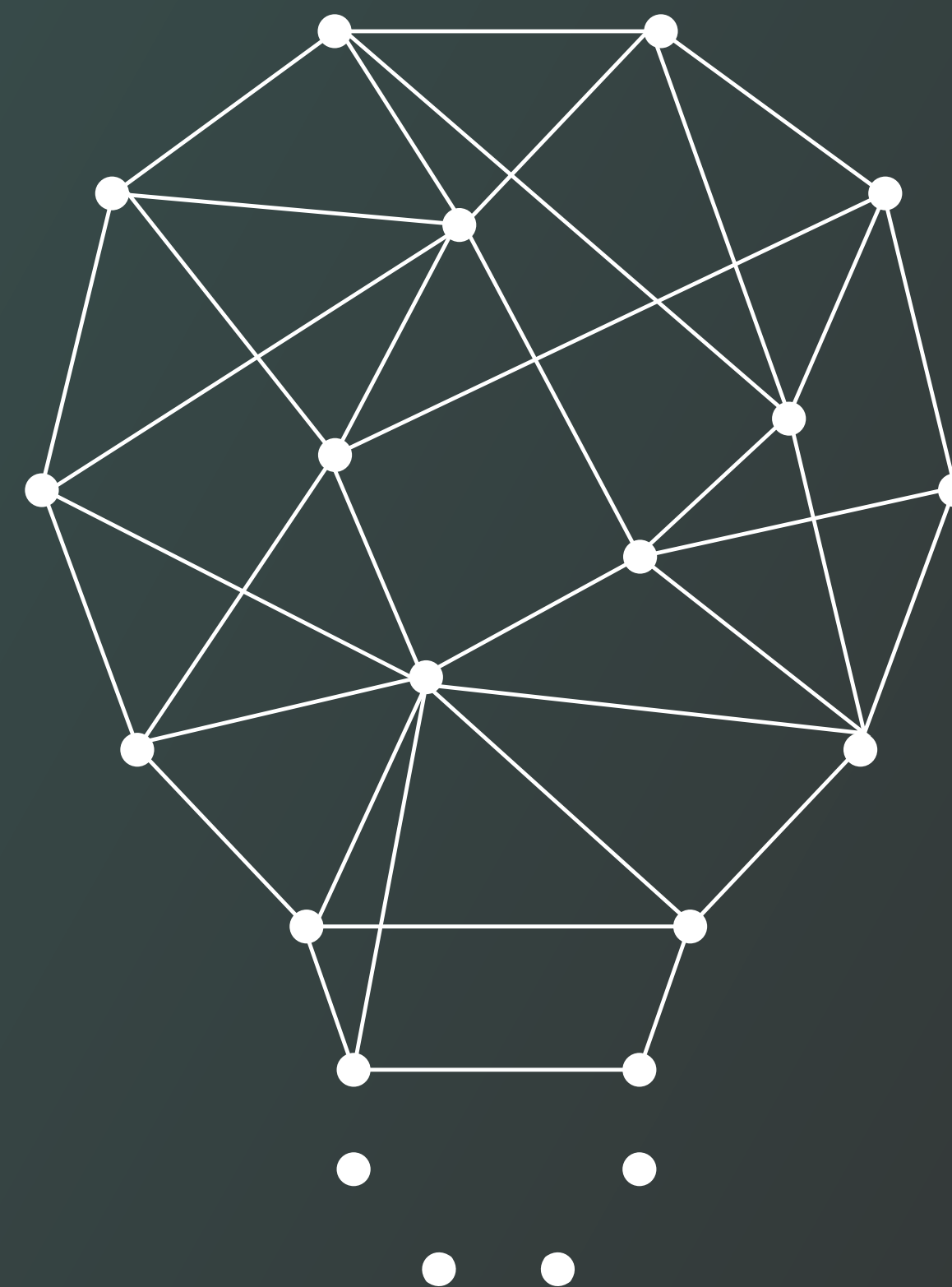


Интеллектуальная ферма

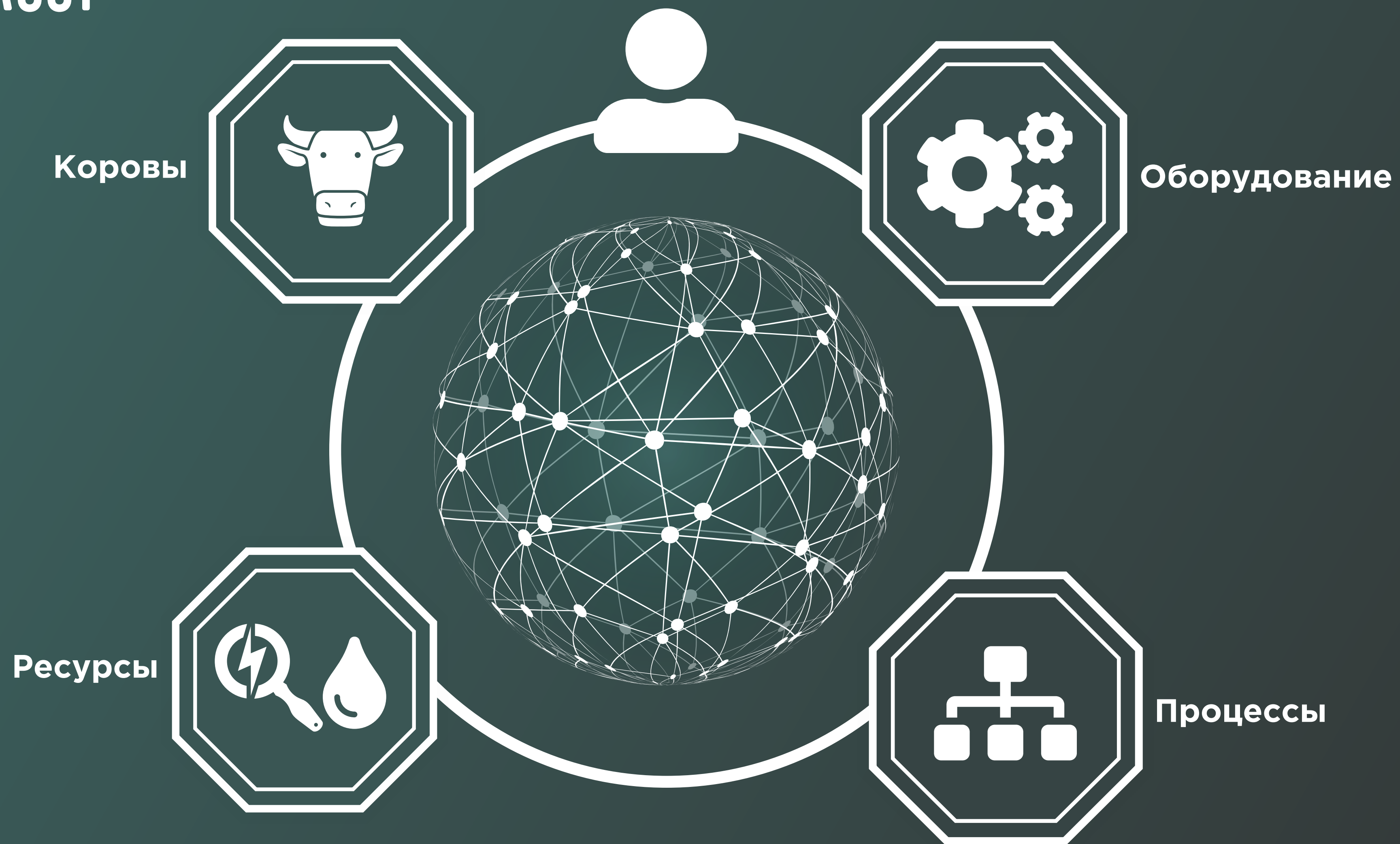
Где технологии помогают человеку
управлять живой системой



“Казахстан должен стать полноценной цифровой страной в ближайшие 2–3 года.
Все отрасли — от экономики до государственного управления и социальной
сферы — должны массово внедрять технологии ИИ и большие данные”

Из послания главы Государства, народу Казахстана 2025 год







HOME



BSUM



MRSUM



FDSTN



STATAGG



DATASUM

Leaf Farm of Staaveren ☁️ Cloudy 33°C

Chart

Farm Overview

Total Cows: 10000
Dry Cows: 300
Calves: 300
Milking Cows: 9000
Young Cows: 400

Energy Data

Water Usage: 10823.43ton
Electricity Usage: 2823.43kw.h

Environment Data

Temperature: 35°C
Humidity: 75 %RH

LB-6

✔️ Normal Access System: 🚪🔧📱🚰

Environment Data

Temperature 35°C Humidity 75% RH THI 80%

Energy Data

Today Electricity 12.5kw.h Today Water 36.21 RPP

SMP

LB-12

CB-13

CB-14

SNB-11

DCB-10

HB-9

HB-8

LB-7

LB-6

LB-5

LB-4

LB-3

LB-2

LB-1

Milking Cow Shed No. 6

Temperature
32 °C

Humidity
32 %

THI Index
80

High Temperature Warning: Max Temp > 22°C

Electricity Leakage
Warning

Warning
1245

Fault
1245

Alarm
1245

Total Cows: 5000
head

Shackled: 1000 head

Lying Down: 2000
head

Energy Data



Water UsageThis Month

2333.13 ton

Saved 200 ton ↗



Electricity UsageThis Month

2333.13 kw.h ↗

Water UsageToday

182.4 ton

Saved 20 ton ↗

Electricity UsageToday

182.4 kw.h ↗

Production Data

Total Feed

1000 ton

Daily Feed

100 ton

Cost Per Cow

100 CNY

Total Milk

1000 ton

Today's Total Milk

100 ton

Today's Average Milk

100 kg



Mixed CowsSheds 2

>> Farm Information <<

Tangshan Farm

Residence time: 1 year

Production overview

3,062

Total Cows

Average daily yield of milk cowsheds

40.59kg

Average milking daily

217.75t

Total milking yesterday

Daily milk quality statistics

3.0g/100ml

Protein content standard line

100g/100ml

Calcium content standard line

Standard cowsheds

Standard cowsheds

Green Energy Emissions

1,592kwh

Current generation of biogas

6,021kwh

Solar power generation today

Cows Management

532

Total Cows

112

Rutting Cows

145

Cows yoked

168

Cows in bed

43.2kg

Average milk production

54.4kg

Average feed intake

101.3kg

Average water consumption

Environment

No Rain or Snow

23.2℃	46.4%	2.1m/s
Average Temperature	Average Humidity	Average Wind velocity
1.6PPM	2.6LEL	3.2PPM
H2S Concentration	CH4 Concentration	NH3 Concentration
1.11ppm	0.14%	208lx
CO Concentration	CO2 Concentration	Intensity of Illumination

Work Situations

66	2,137	8	0
Sprays Open	Sprays Closed	Switching On	Switching Off
45	216	5	5
Fans On	Fans Off	Lights On	Lights Off
2	2↑	24	24
Manual Screens Open	Manual Screens Closed	Curtain System Open	Curtain System Closed

Energy Emissions

70kwh

Current generation of biogas

82kwh

Solar power generation today

Prefect Environmental data

Temperature	Humidity	Wind Speed	Summer Wind Speed	H2S	CH4	NH3	CO	CO2	Day light	Night light
16-20℃	50-85%	0.1-0.3m/s	2-3m/s	<7PPM	<10LEL	<37ppm	<4PPM	<0.25%	200lx	20-50lx

Искусственный интеллект — не замена, а партнёр человека

Mixed CowsSheds 2

East Milking CowsSheds 4

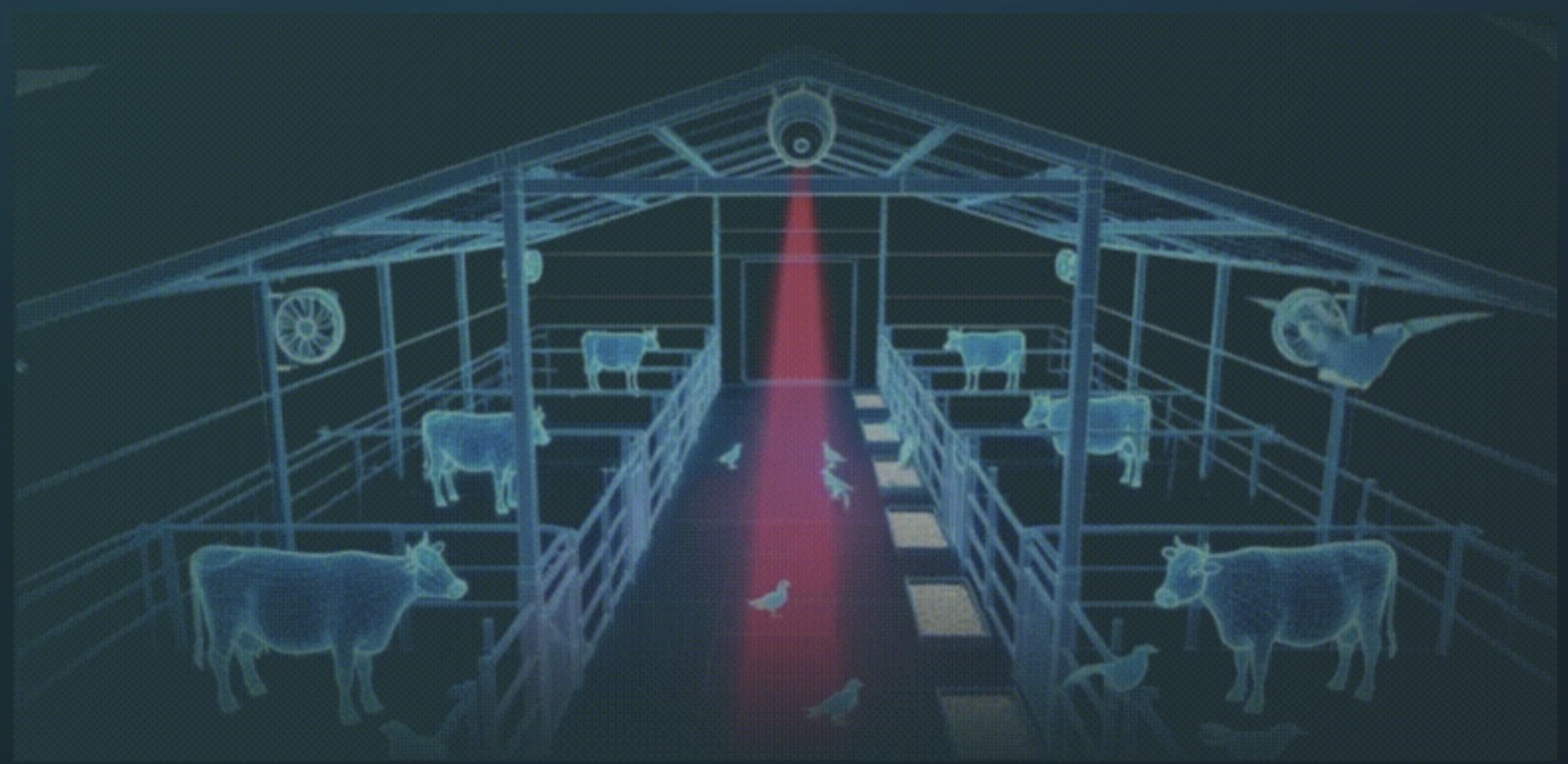
West Milking CowsSheds 4

Dried CowsSheds 2

Milking CowsSheds 5

Milking CowsSheds 6

Unfold



Farms Installed **89**

All Farms

All

This Year

This Month

Bird Control Device **826** units

Total Bird Control Statistics times

1

8

2

5

4

0

1

Bird Control Effect Analysis

Farm with Most Bird Captures

YouRan Southern Dairy Farm

2 000times

Farm with Least Bird Captures

JUNLEBAO Farm 1

2 000times

Bird Expulsion Statistics by Type



Crow
Daily Feed:250-300g
Total Expelled 500 001times



Sparrow
Daily Feed:250-300g
Total Expelled 300 034times



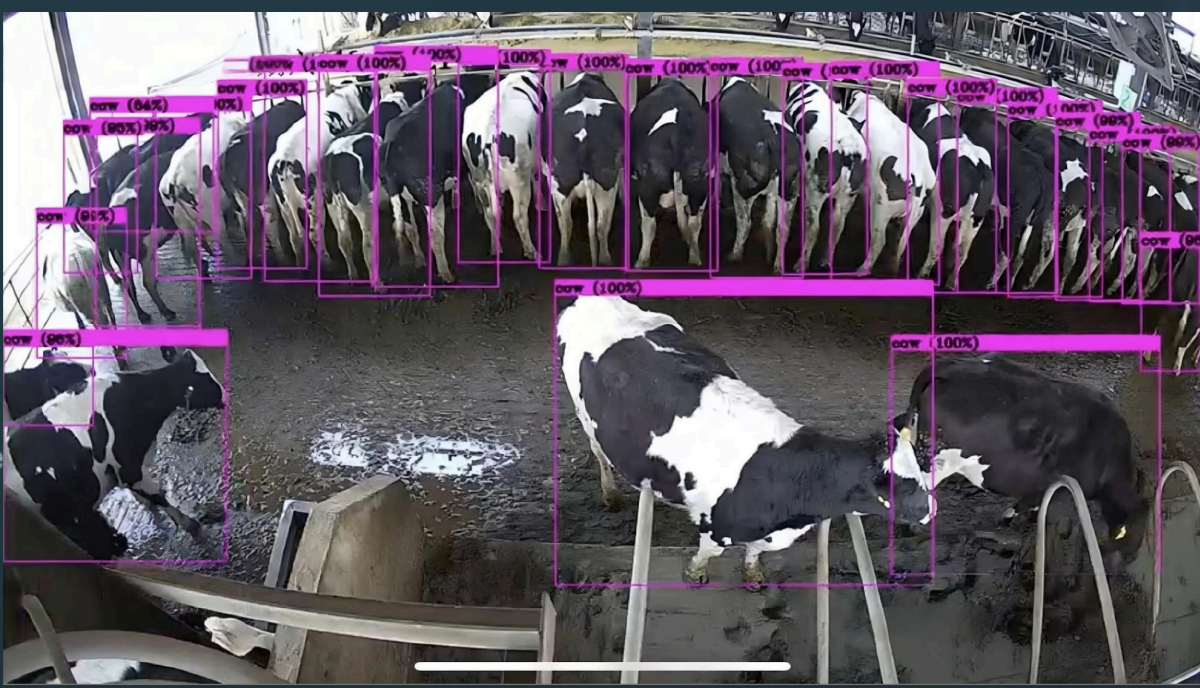
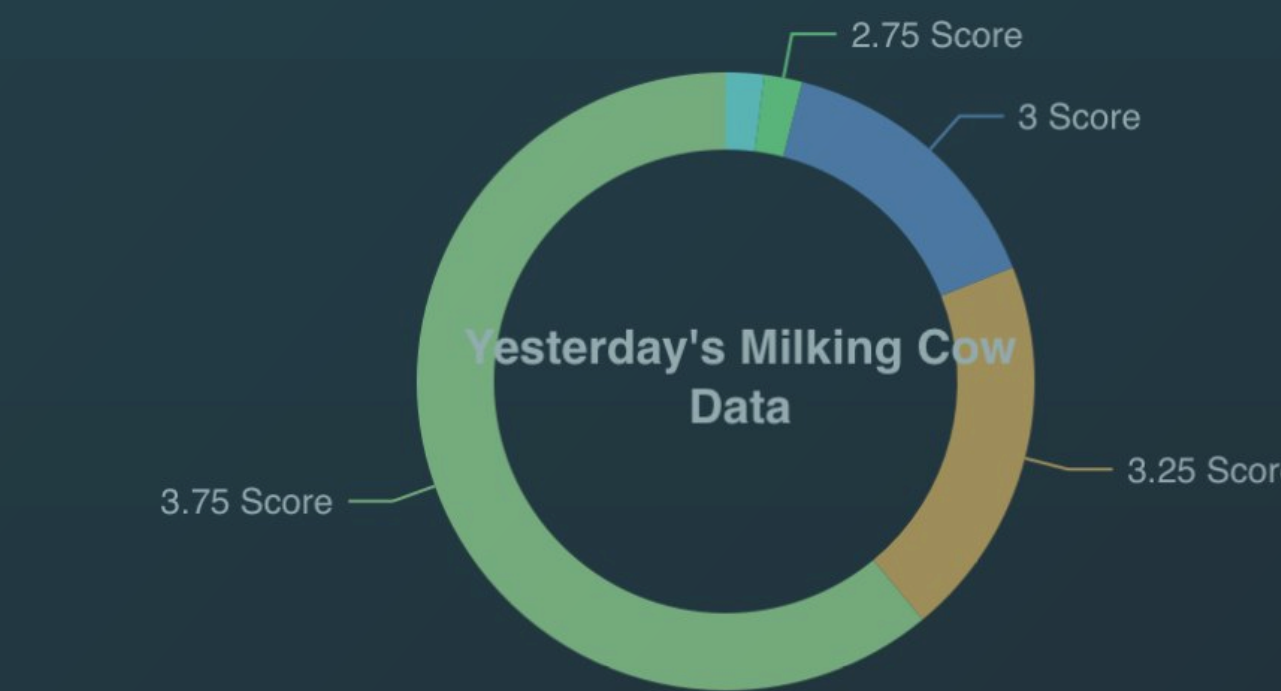
Pigeon
Daily Feed:250-300g
Total Expelled 220 080times



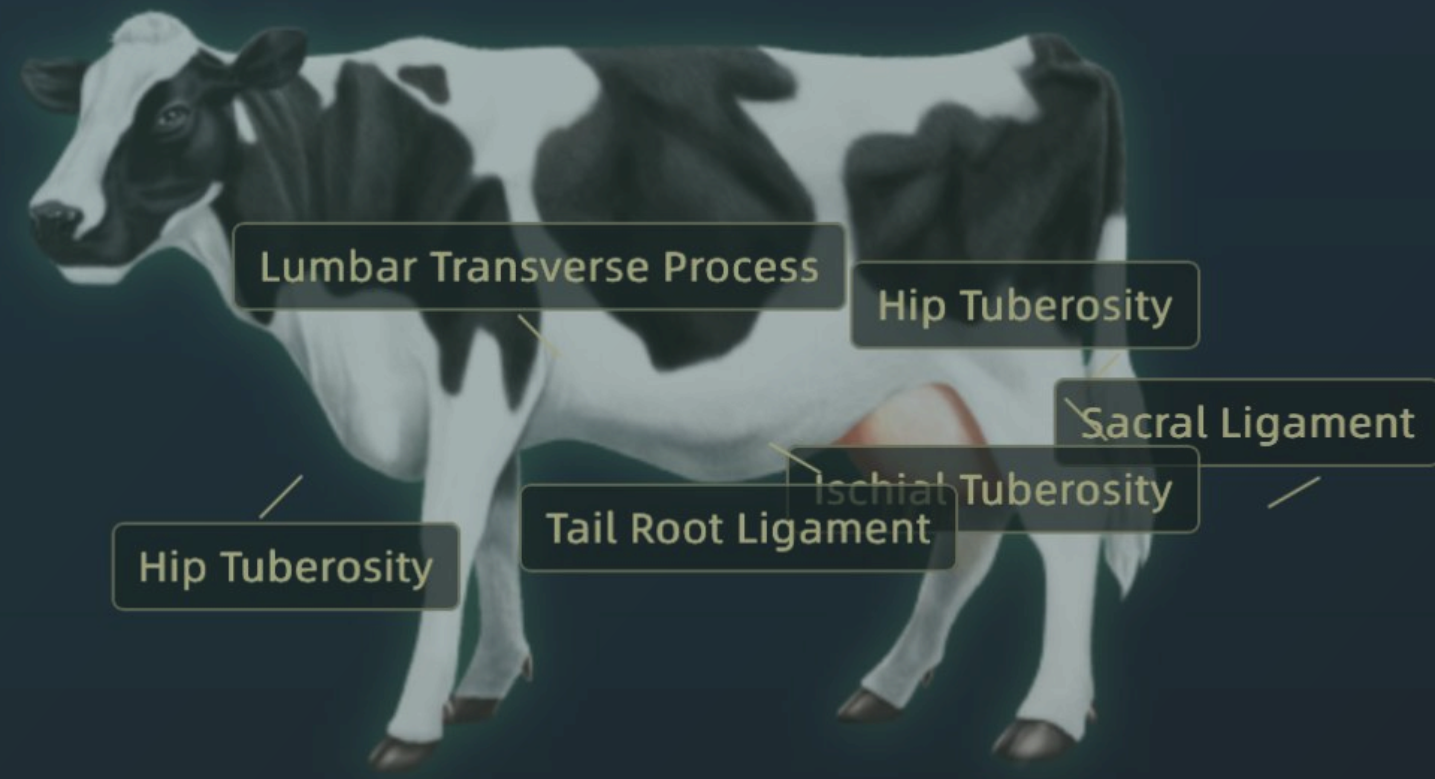
Magpie
Daily Feed:250-300g
Total Expelled 101 009times

Platform Build Time: 2024-11-11 11:12:12

Mature Cow Body Condition Summary (Yesterday's Milking Cow Assessment)



Monitoring Area



Health Management Data Summary

AGROTRUST

Mature Cow Production

Average Production **46** kg

Maximum Production **54** kg

★ Star Cow

NX10220

Highest Production Shed

Lactation Shed #2 **39** kg/head

Lowest Production Shed

Lactation Shed #4 **11.3** kg/head

3.8%

Fat

3.2%

Protein

2.5%

Mastitis Milk, Antibiotic Milk

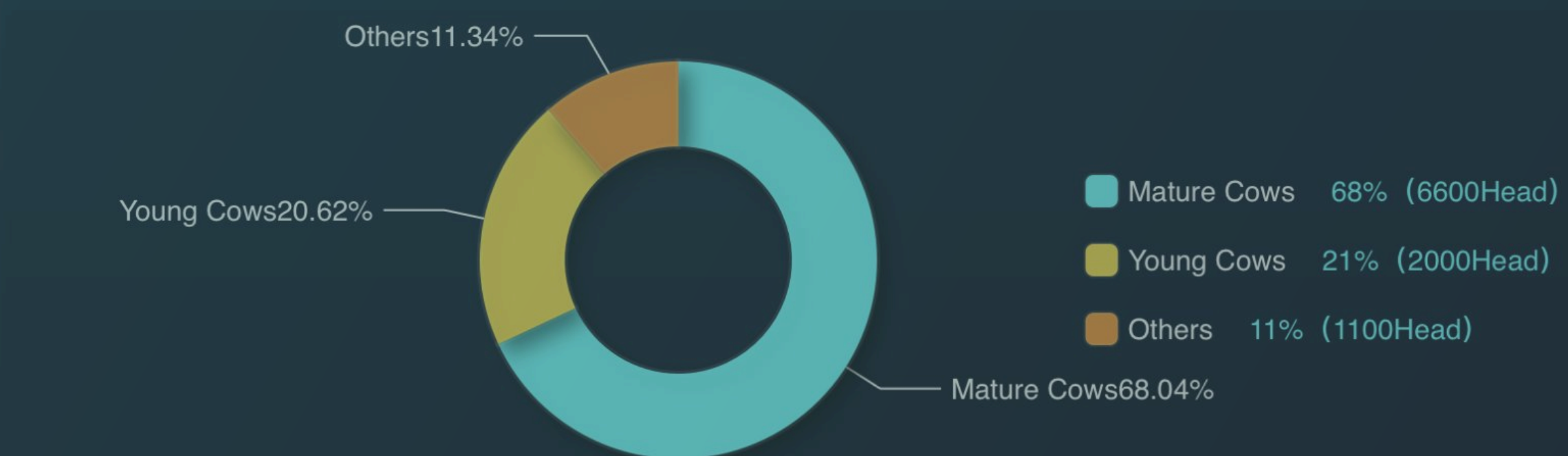
100days

Peak Lactation Duration

Metric	Today's Value	Target Value	YoY Change
Total Milk Production (kg)	12,860	13,200	▼2.6%
Production per Head (kg/head)	32.1	33.0	▼2.7%
Fat Rate (%)	3.8	3.9	▼2.6%
Abnormal Milk Volume (kg)	85	<50	▲70%

Отслеживание и анализ активности коров

Herd Management (Current Month to Date)



Health Management Data Summary (Current Month to Date)

5%

Clinical Mastitis Monthly Incidence Rate

10%

Hoof Disease Incidence Rate

100%

Vaccination Rate

Indicator	Normal Cow Count	Abnormal Cow Count
Temperature Abnormal (>38.5°C)	120	5
Respiratory Rate Abnormal (>60/min)	115	10

Казахстан входит в эру цифровых технологий

 **Интеллектуальная ферма — это уже реальность**

 **AgroTrust — часть этой эры**

 **«Мы не ждём будущее — мы его создаём»**

**«Делаем молоко полезным для людей
и выгодным для производителей»**