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IoT SYSTEMS

HARDWARE & SOFTWARE

Our R&D journey has started with a client's inquiry **in 2014.**

In 2017 we have started to develop

'Management and Tracking'

systems for farms & integrations.





2000+
Users

500+
Customer

1000+
Scale

900+
Farms

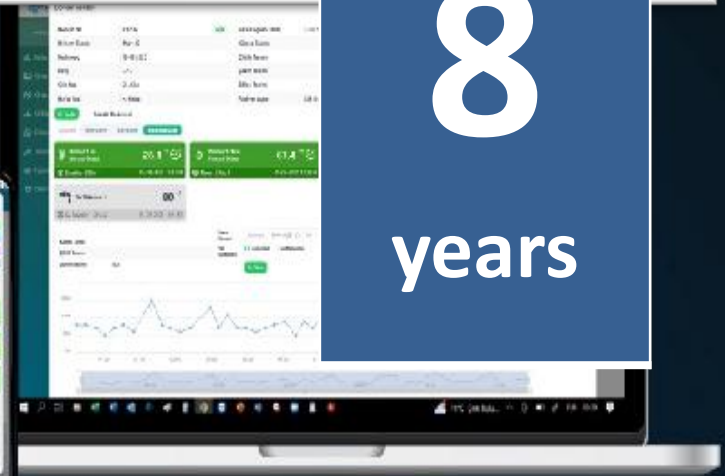
800+
Gateway

4000+
Sensors

Our devices are at farms more than **8 years** as of now.

Avino Poultry **Datatracer** Systems are now operational more than **2000+ houses**.

8
years





IoT SYSTEMS

HARDWARE & SOFTWARE

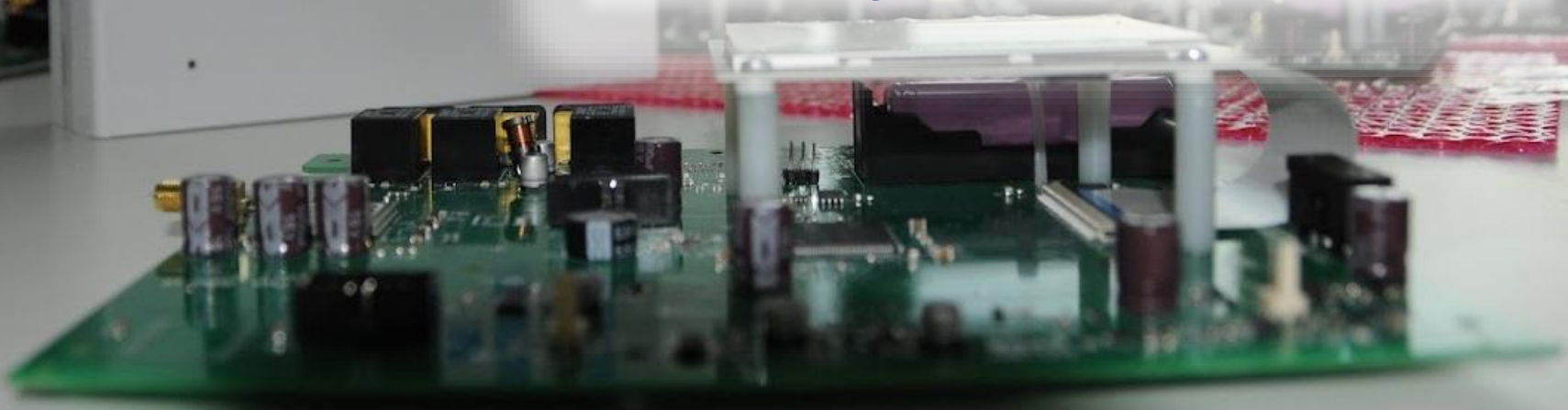
Datatracer Poultry Tracking System users have reported significantly;

- **Productivity increased +30 EPEF**
- **Cycle income increased +15%**
- **Profitability increased +30%**
- **More than million animals were saved from death.**
- **Energy costs decreased**

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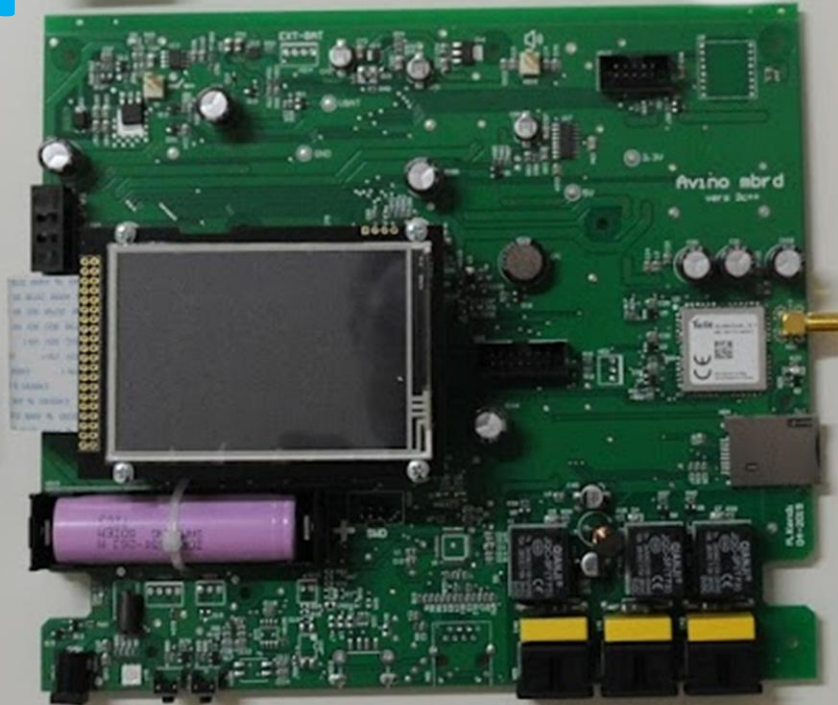
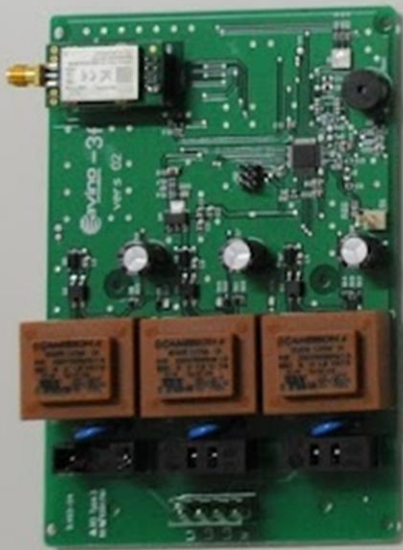
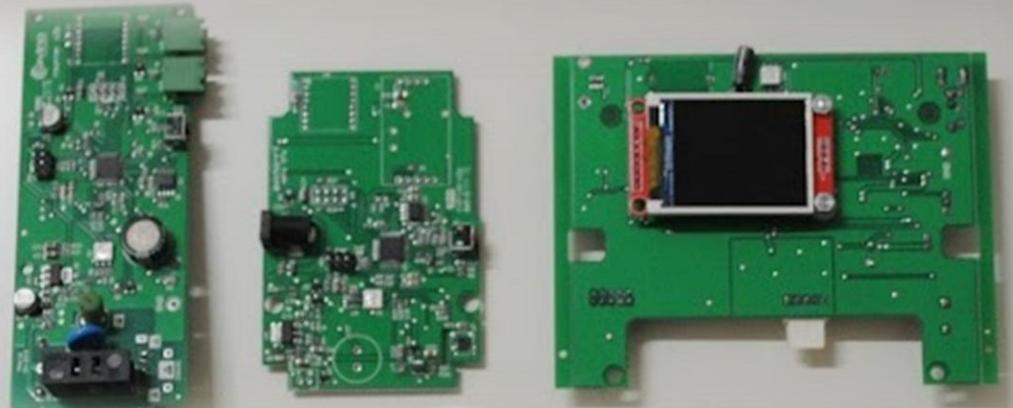
ALL DEVICES are developed
at our own **R&D**,
designed and manufactured
by **AVINO 100%**.



Step

by

step



Plug and Run

Tak Çalıştır



Li-Ion Temperature Humidity
[CO₂] Meter
TH-08



Main Device
MK-03



Live Weight Scale
SC-10 & SC-25



Water Meter



Gas Datalogger
STA-01



Temperature Humidity External Probe
STA-PR



Trifaz Electricity
Outage Sensor
3F-03



Water Consumption Sensor
PC-02



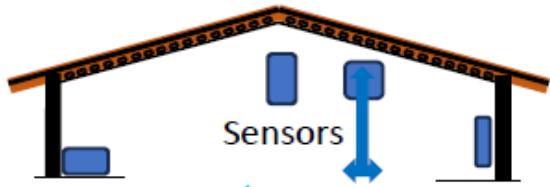


WIRE-LESS

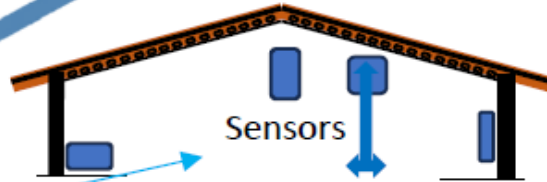
PLUG & RUN



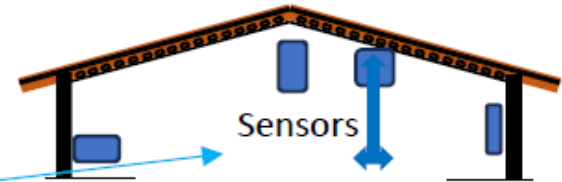
RF TECH 868 MHz



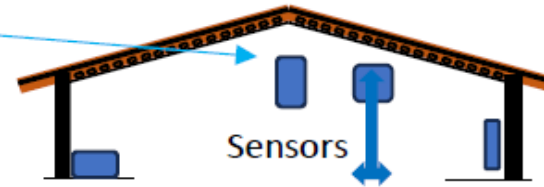
Sensors



Sensors



Sensors



Sensors

RF distance outdoor 400 m

indoor 150 m



Main device



2G / 4.5G LTE

CLOUD

& WiFi

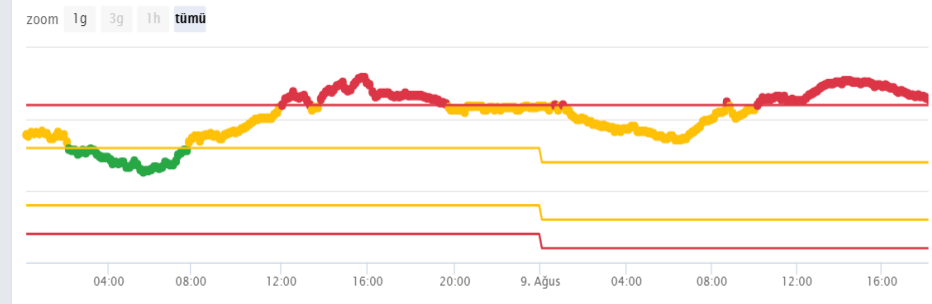


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TEMPERATURE HUMIDITY & CO₂

SAVE - FOLLOW - NOTIFY - SUCCEED



MEASURE	RECORD
CLOUD	ANALYZE





data
tracer



40^{Lt}

Su Tüketim - S.No: 3

18-04-2025 23:41:58

WATER COMSUMPTION

SAVE - FOLLOW - NOTIFY - SUCCEED

K3 Su

Kümes Tanımı : Kümes 3
Çiftlik Tanımı : Yıldız Kardeşler Besicilik
Dönem Tanımı : 4 Dönem

Kayıt Zamanı : Başlangıç 18-04-2025
Veri Gösterimi : Zamansal Sınıflandırma

Yükle

Toplam Kayıt
77 Adet

Toplam Tüketim
1.990 L

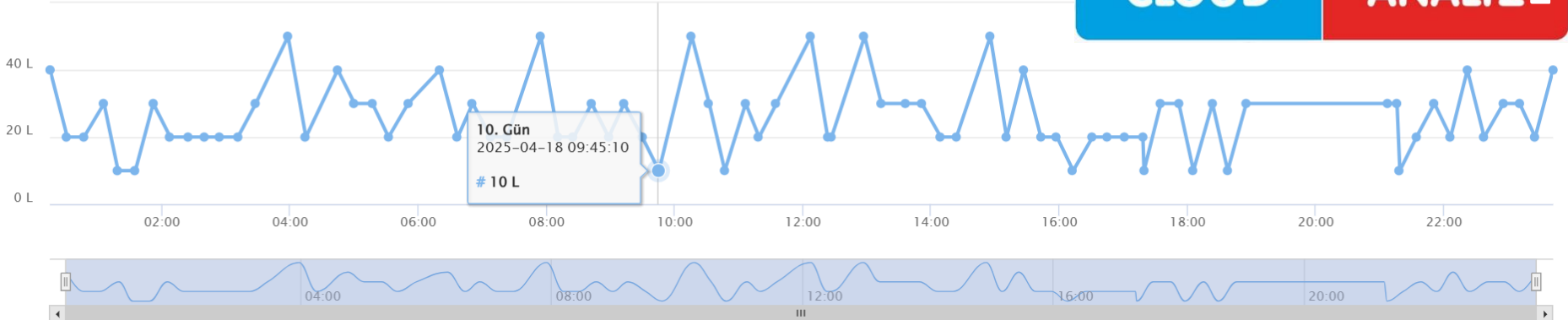


MEASURE

RECORD

CLOUD

ANALYZE





B2

Line 1: On - Line 2: On - Line 3: Off



Trifaz Elektrik - S.No: 6

09-04-2025 09:04:10



C3-4

Line 1: On - Line 2: On - Line 3: On



Trifaz Elektrik - S.No: 5

23-03-2025 22:40:53

ELECTRICITY FAILURE SAVE - FOLLOW - NOTIFY

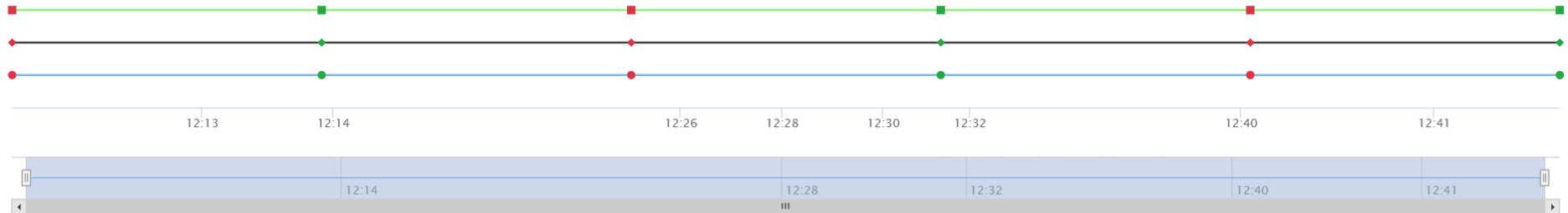
Ayazköy 3

Kümes Tanımı : Ayazköy
Çiftlik Tanımı : Ayazköy
Dönem Tanımı : Ayazköy Nisan 25

Kayıt Zamanı : Başlangıç 14-04-2025 Bitiş 14-04-2025

Yükle

Excel İndir



Kapat

Kümes Tanımı : Makterm B Ust
Çiftlik Tanımı : Makterm
Dönem Tanımı : 20. Dönem

Kayıt Zamanı : 07-04-2025
Veri Gösterimi : Zamansal Sınıflandırma

[Yükle](#)

[Excel İndir](#)

Toplam Tartım : **80 Adet**
Ortalama Ağırlık : **2.810,63 Gr**
Cv : **10,17**
Uni : **73,75**

Sınıflandırma Kayıtları

Ortalama Ağırlık	Toplam Tartım	--*
3.350,00 Gr	1 Adet	■
3.320,00 Gr	1 Adet	■
3.260,00 Gr	1 Adet	■
3.240,00 Gr	2 Adet	■ ■
3.180,00 Gr	2 Adet	■ ■
3.160,00 Gr	1 Adet	■
3.100,00 Gr	1 Adet	■
3.070,00 Gr	2 Adet	■ ■
3.060,00 Gr	1 Adet	■
3.050,00 Gr	3 Adet	■ ■ ■
3.040,00 Gr	2 Adet	■ ■
3.030,00 Gr	1 Adet	■
3.010,00 Gr	1 Adet	■
3.000,00 Gr	1 Adet	■
2.990,00 Gr	2 Adet	■ ■
2.970,00 Gr	1 Adet	■

data
tracer



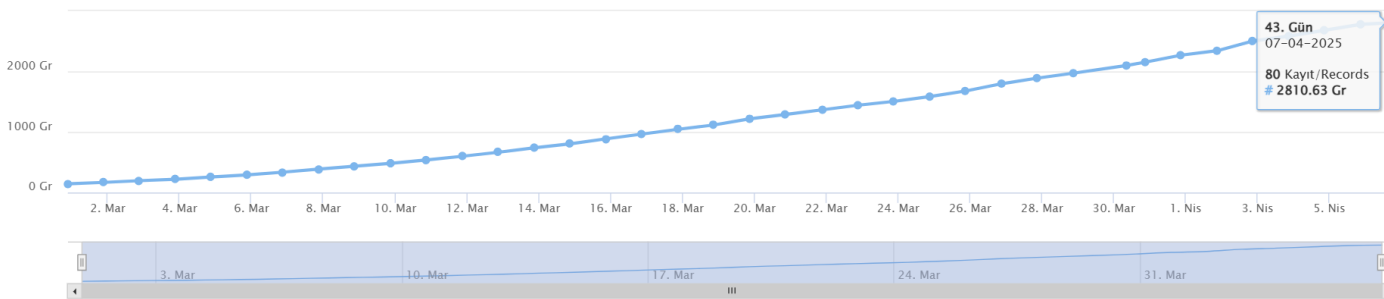
WEIGHING SYSTEMS DATATRACER SC-10 PLATFORM SCALE

Kümes Tanımı : Makterm B Ust
Çiftlik Tanımı : Makterm
Dönem Tanımı : 20. Dönem

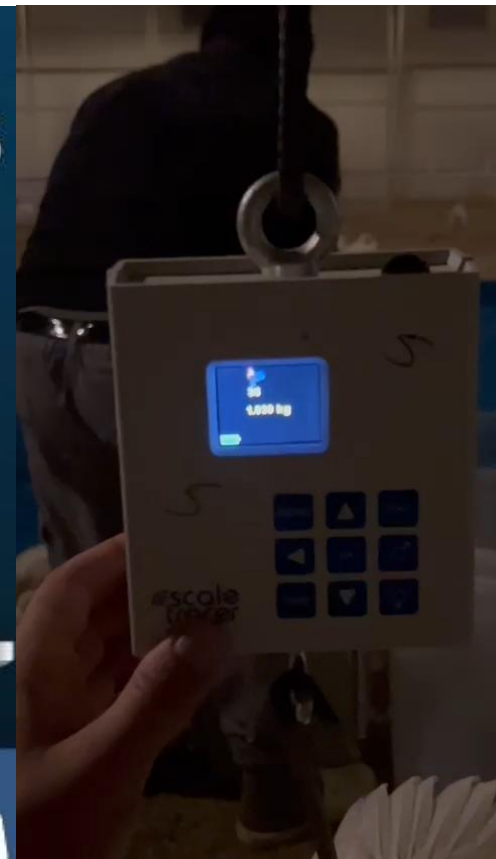
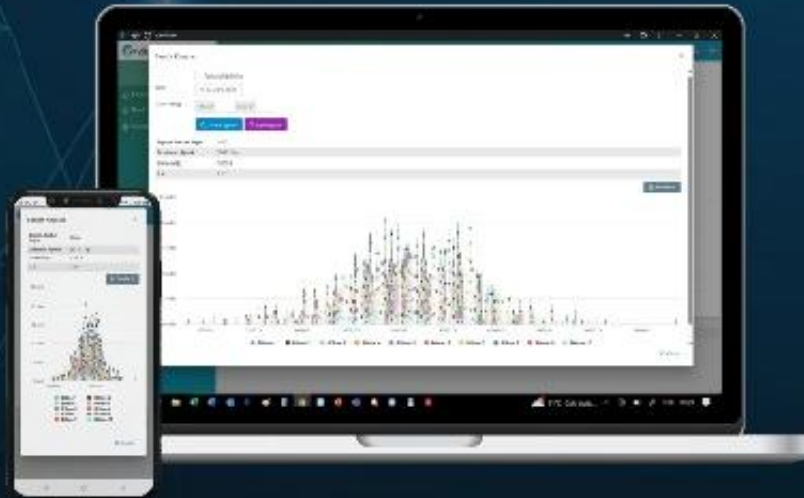
Kayıt Zamanı : Başlangıç : 01-03-2025 Bitiş : 07-04-2025
Veri Gösterimi : Zamansal Sınıflandırma

[Yükle](#)

[Excel İndir](#)



IMPROVE YOUR BUSINESS



scale tracer WEIGHT SYSTEM

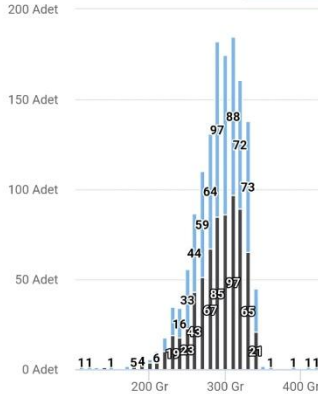
Cloud Support
Wifi Scale
C.V. & Uniformity
Grading



Sensör Kayıtları

Toplam Tartım Sayısı	1401
Ortalama Ağırlık	291.05 gr
Uniformity	% 67.38
C.V.	11.59

Excel'e Al



SS Sınıflama

Kapat

scale tracer

Grading

SS

S

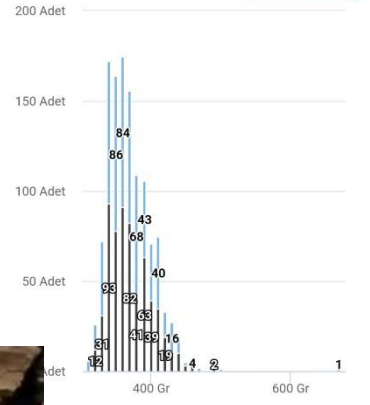
M

L

Sensör Kayıtları

Toplam Tartım Sayısı	1229
Ortalama Ağırlık	370.09 gr
Uniformity	% 77.54
C.V.	8.43

Excel'e Al



S Sınıflama

Kapat



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IoT SYSTEMS

HARDWARE & SOFTWARE

Integrated Tracing System

Our software
team are
working hard
on
developing
our systems



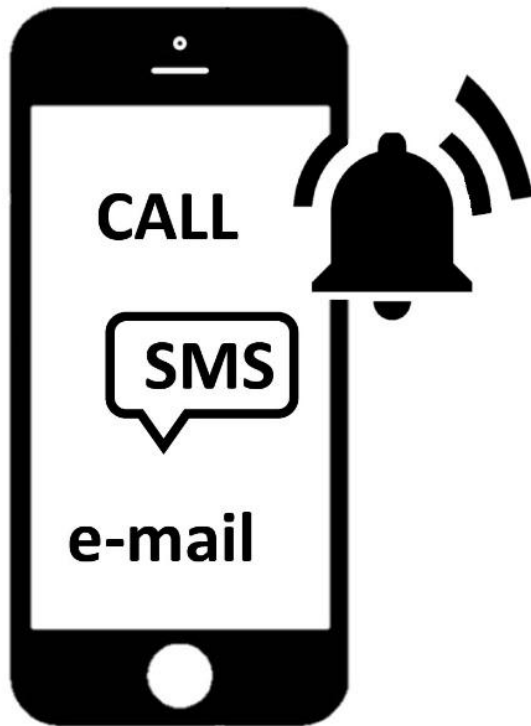
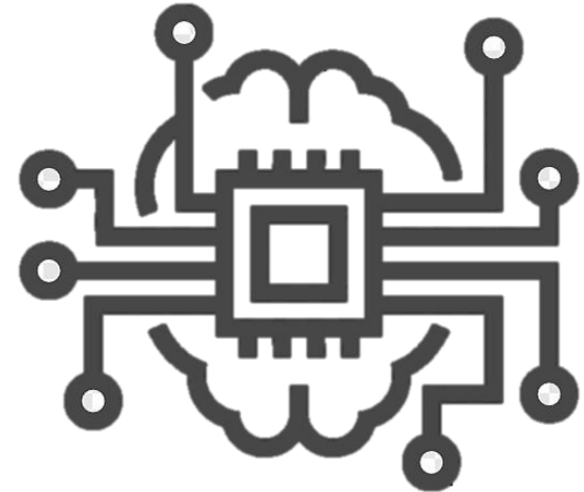
depending on **customer requirements.**

Industry 4.0

Sector-specific IOT applications

Datatracer software was designed in a way that does

NOT REQUIRE MANPOWER.



All notification services are provided **AUTOMATICALLY** via the server and using the telecommunications infrastructure.

Instant reception of the alarm and notification via app or call or SMS.



Dönem Verileri

Term Event Notification Logs

Method	Transmitted Person	Address	Message Status	Number Of Attempts	Transmission Time
SMS	Osman KESİM	905465138218	Forwarded	1	15-04-2025 01:43
CALL	Osman KESİM	905465138218	Failed	3	...*

Close

- Günlük Kayıt
- Dönem Kartı
- Performans Grafikleri
- Dönem Günlüğü

Kümes 1 Isı Normal Değer **26.1 °C** ✓

Kümes 1 Nem Normal Değer **67.4 Rh** ✓

CO₂ Kümes 1 Co2 Normal Değer **2610 ppm** ✓

Terazi 1 **1.1 Kg**

Sıcaklık - S.No: 1 05-04-2025 12:23:38

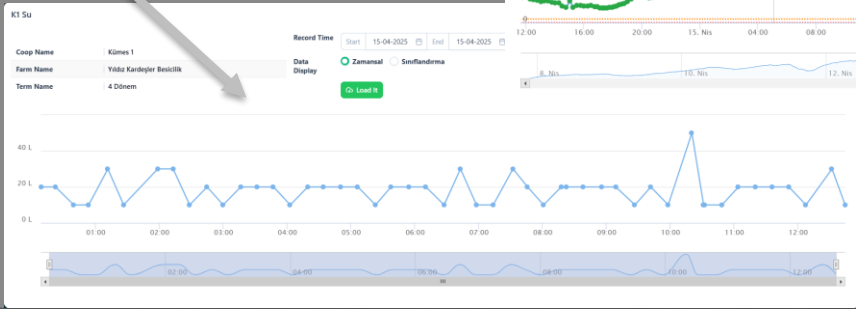
Nem - S.No: 1 05-04-2025 12:23:38

Karbondioksit - S.No: 1 05-04-2025 12:23:38

Canlı Ağırlık - S.No: 3 05-04-2025 12:05:54

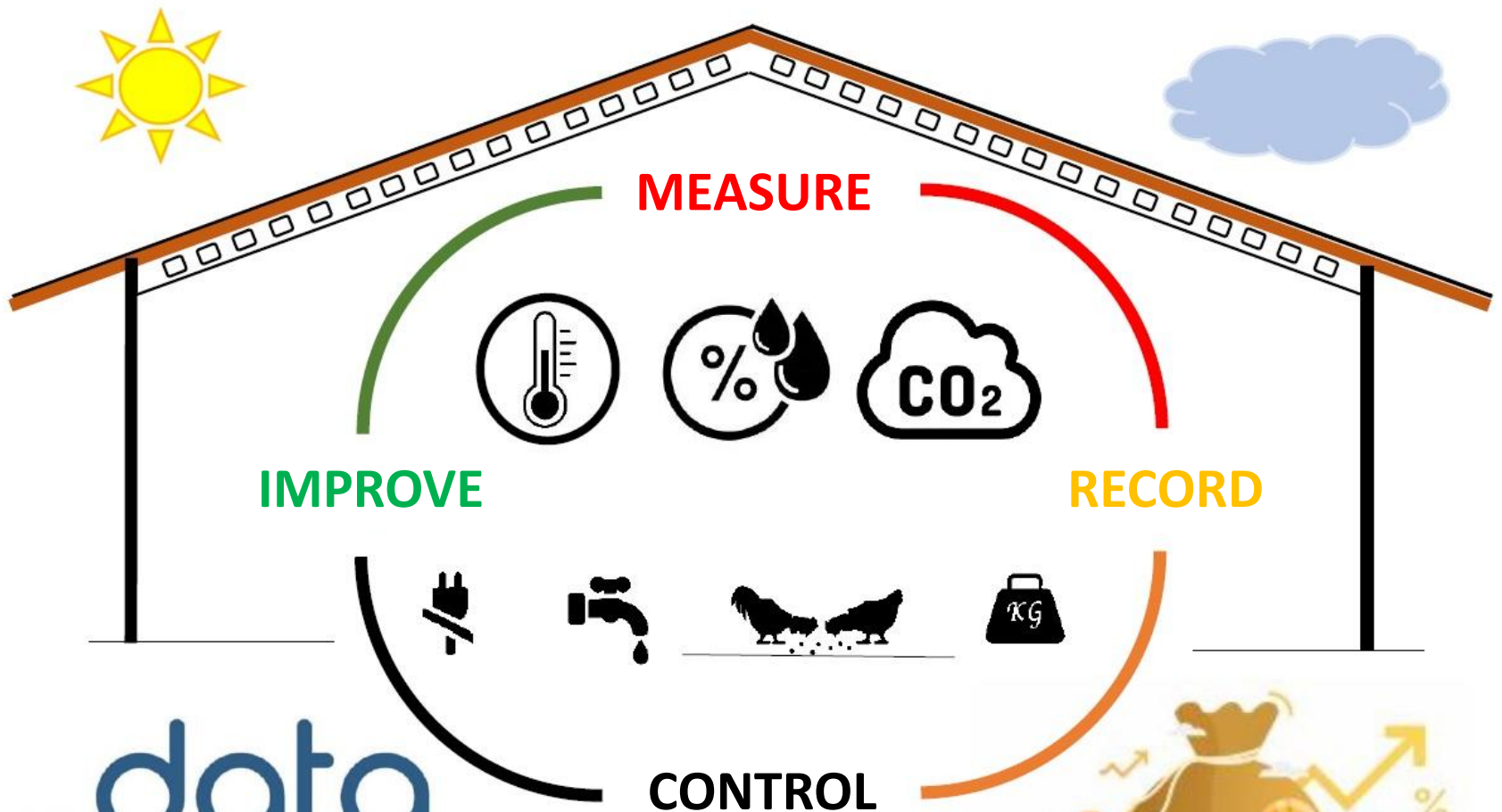
Su Tüketimi 1 **80 Lt**

Su Tüketim - S.No: 2 05-04-2025 12:11:51



All sensors can be easily monitored.
A record is kept for all sensors.





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NOT ONLY **SENSORS** BUT ALSO
PERFORMANS OBJECTIVES
TRACING



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Term Data

Term No	#10712	Open	Herd Birth Date	08-04-2025
Term Name	4 Dönem		Coop Name	Kümes 1
Start	09-04-2025		Farm Name	Yıldız Kardeşler Besicilik
End	--*--		Company Name	İsa YILDIZ
Day Age	7th Day		Region Name	Genel Bölge
Week Age	1th Week			

Performance graphs of the "20. Dönem" term

- Daily Record
- Term Card
- Performance Graphics
- Term Event Logs

Refresh Sensor Values

Ordering: By Name By Type **By Status**

K1 Sıcaklık Normal Value **29.8 °C** ✓

K1 Nem Normal Value

"2" term data entry

Transaction Date: 15-04-2025

Herd Day Age: 1

Veri silmek/girmek için ilgili alanları boş bırakınız.

Canlı Hareketleri

Number Of Poultry Death: Quantity

Average Weight: Gr

Poultry Entry: Quantity

Poultry Exit: Quantity Average Weight(Gr)

Yem Hareketleri

Feed Entry: Kg

Estimated Remaining Feed: Kg

Note:

Close Save

Date	Actual Consumption (It)	Standard Consumption (It)
24. Şub	0.05	0.05
3. Mar	0.08	0.08
10. Mar	0.10	0.10
17. Mar	0.12	0.12
24. Mar	0.15	0.15
31. Mar	0.18	0.18
7. Nis	0.25	0.20
14. Nis	0.20	0.20
21. Nis	0.20	0.20
28. Nis	0.20	0.20

Date	Actual Consumption	Standard Consumption
24. Şub	0.05	0.05
3. Mar	0.08	0.08
10. Mar	0.10	0.10
17. Mar	0.12	0.12
24. Mar	0.15	0.15
31. Mar	0.18	0.18
7. Nis	0.25	0.20
14. Nis	0.20	0.20
21. Nis	0.20	0.20
28. Nis	0.20	0.20

Date	Actual Consumption	Standard Consumption
24. Şub	0.05	0.05
3. Mar	0.08	0.08
10. Mar	0.10	0.10
17. Mar	0.12	0.12
24. Mar	0.15	0.15
31. Mar	0.18	0.18
7. Nis	0.25	0.20
14. Nis	0.20	0.20
21. Nis	0.20	0.20
28. Nis	0.20	0.20

You may monitor full graphs and compare with genetic standards.

Term Data

Term No: #10712 Open Herd Birth Date: 08-04-2025

Term Name: 4 Dönem Coop Name: Kümes 1 Daily Record

Start: 09-04-2025 Farm Name: Yıldız Kardeşler Besicilik Term Card

"4 Dönem" dönem kartı

"2" term data entry

Transaction Date: 15-04-2025

Herd Day Age: 1

1. Hafta (08-04-2025 - 15-04-2025)

← Önceki Hafta ○ → Sonraki Hafta

Veri silmek/girmemek için ilgili alanları boş bırakınız.

Bölge Tanımı
Canlı Hareketleri

Kümes Tanımı
Number Of Poultry Death: Quantity

Çiftlik Tanımı
Average Weight: Gr

Başlangıç
Poultry Entry: Quantity

Gün Yaşı
Poultry Exit: Quantity Average Weight(Gr)

Hafta Yaşı
Yem Hareketleri
Feed Entry: Kg

Dönem Kartı Verileri
Estimated Remaining Feed: Kg

Note:

İrk Tanımı: Ross 308 Karışık (2022)

Toplam Canlı Girişi: 21.000 Adet

Toplam Kalan Canlı: 20.797 Adet

Toplam Çıkan Canlı: 0 Adet

Toplan Ölen Canlı: 203 Adet

Mortalite Oranı: % 0.97

Toplam Yem Girişi: 9.139,00 Kg

Toplam Yem Tüketimi: 0,00 Kg

Toplam Su Tüketimi: 14.610,00 L

Toplam Çıkan Canlı Ağırlık: 0,00 Kg

Su / Yem: 0,00

m2'deki Canlı Sayısı: 13.86 Adet

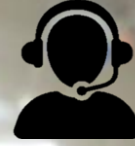
0.15 Kg

4-2025 06:43:18

İşlemler	Gün Yaşı	Canlı Ağırlık (Kg/m2)	Yem Tüketim (Kg)				Su Tüketim (L)		Canlı Ağırlık (Gr)			FCR (%)			EPEF
			Giren Yem	Kalan Yem	Hesaplanan	Referans	Sensör	Referans	Sensör	Manuel	Referans	Hesaplanan	Manuel	Referans	
	0		4,622	--*--	--*--	0,00	--*--	0,00	--*--	--*--	0,00	--*--	--*--	0,00	--*--
1	1	20	20.980	--*--	--*--	251,76	420,00	503,52	55,50	--*--	62,00	--*--	--*--	0,19	--*--
	2	38	20.942	--*--	--*--	586,83	620,00	670,14	62,67	--*--	81,00	--*--	--*--	0,35	--*--
	3	60	20.882	--*--	--*--	1.004,47	870,00	835,28	76,00	--*--	102,00	--*--	--*--	0,47	--*--
	4	42	20.840	--*--	--*--	1.504,63	1.090,00	1.000,32	98,33	--*--	125,00	--*--	--*--	0,58	--*--
	5	19	20.821	--*--	--*--	2.066,80	1.220,00	1.124,33	122,50	--*--	151,00	--*--	--*--	0,66	--*--
	6	9	20.812	--*--	--*--	4.517	1.430,00	1.290,34	148,86	--*--	181,00	--*--	--*--	0,72	--*--
	7	3	20.809	--*--	--*--	3.440,29	1.570,00	1.456,63	162,62	--*--	213,00	--*--	--*--	0,78	--*--

Performance Cards
Water & Feed Consumptions, Bodyweight,
FCR, EPEF

Avino Call Center
& Technical
Support Services



PS by AVINO
PROACTIVE SERVICE

Thank you!

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Yenişehir Mh. Bakü Cd. No: 6 Arma Rezidans A Blok K: 8 D: 173
Pendik / İSTANBUL

