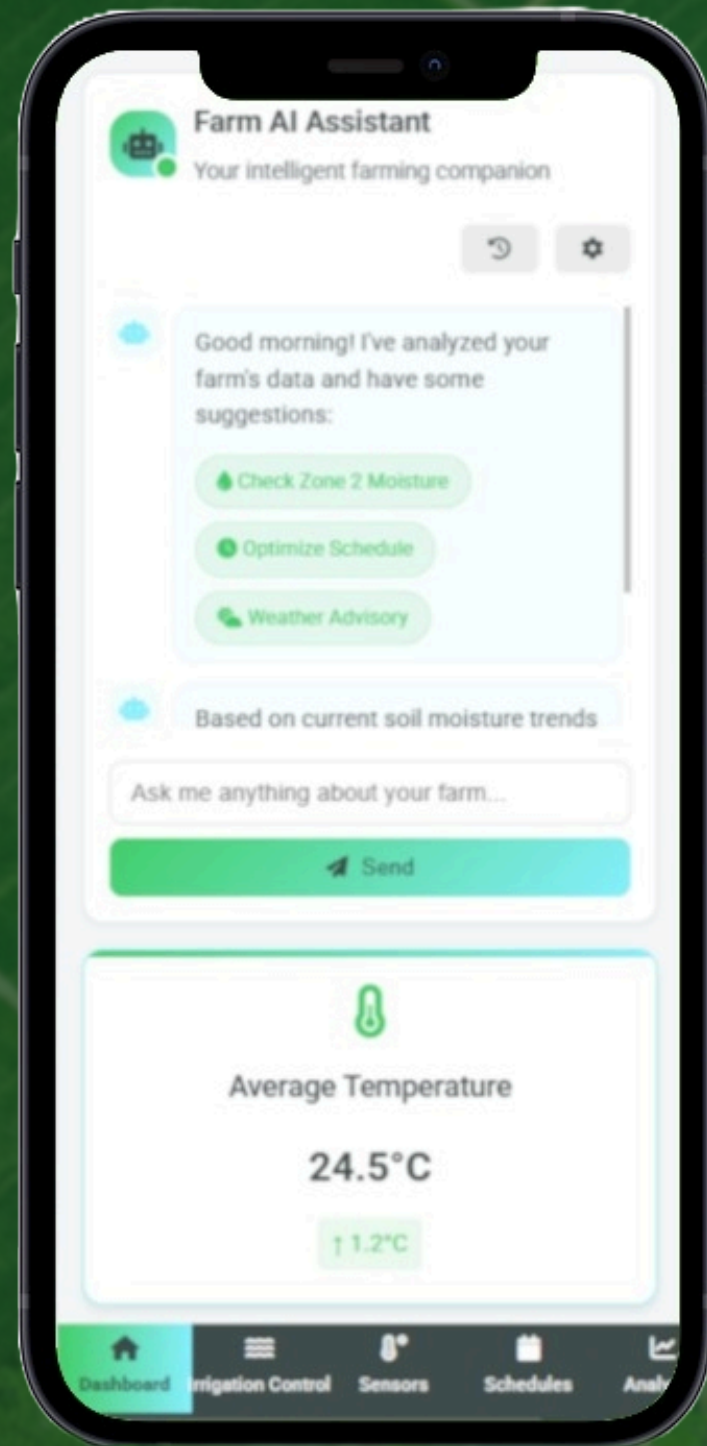
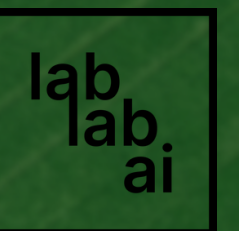


#RAISEYOURHACK

#AQUAGRID



AUTONOMOUS IRRIGATION FOR YOUR FARM



#RAISEYOURHACK

#AQUAGRID

IRRIGATING A FARM

TIME CONSUMING

HIRING EMPLOYEES

WASTING WATER

lab
lab
ai

#RAISEYOURHACK

#AQUAGRID

IRRIGATING A FARM WITH OUR SOLUTION

~~TIME CONSUMING~~

~~HIRING EMPLOYEES~~

~~WASTING WATER~~

#RAISEYOURHACK

#AQUAGRID

IN FRANCE

TOTAL AGRICULTURAL AREA:
27.5 MILLION HECTARES

WATER USED FOR AGRICULTURAL PURPOSES
≈ 3.5 BILLION M³ OF WATER/Y

→ **92% IS DEDICATED TO IRRIGATION**

#RAISEYOURHACK

#AQUAGRID

IN FRANCE

40 - 50 % OF IRRIGATION WATER IS LOST

1.3 - 2.1 BILLION M³ / YEAR

#RAISEYOURHACK

#AQUAGRID

IN FRANCE

Loss (m³)	Cost @ €0.20/m³	Cost @ €0.30/m³
0.97 billion m³	€194 million	€291 million
1.61 billion m³	€322 million	€483 million

💰 AVERAGE WATER COST FOR FARMERS (FRANCE):
VARIES BY SOURCE (SURFACE VS. GROUNDWATER), NETWORK, AND REGION
NATIONAL AVERAGE ~ €0.20 TO €0.30 / M³ (SOURCE: CHAMBRES
D'AGRICULTURE, AGENCE DE L'EAU)
27.5 MILLION HECTARES



#RAISEYOURHACK

#AQUAGRID

IN FRANCE

Type of System	Time (h/month)	Cost (€/month/hectare)	Cost (€/year/hectare)
Manual irrigation	40 h	680–800 €	8 160–9 600 €
AquaGrid (autonomous)	~2–5 h	~60–100 €	720–1 200 €

🇫🇷 GROSS HOURLY WAGE (2024)
11.65 € TO 13.50 € / HOUR FOR SEASONAL AGRICULTURAL WORKERS
(SOURCE: FNSEA / MSA)
WITH EMPLOYER CHARGES: ~17–20 € / HOUR

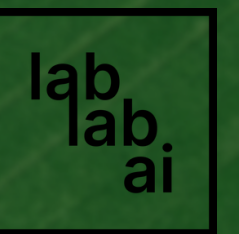


#RAISEYOURHACK

#AQUAGRID

OUR MISSION

ACCELERATE THE TRANSITION TO AN
AUTONOMOUS, INTELLIGENT
IRRIGATION.



#RAISEYOURHACK

#AQUAGRID

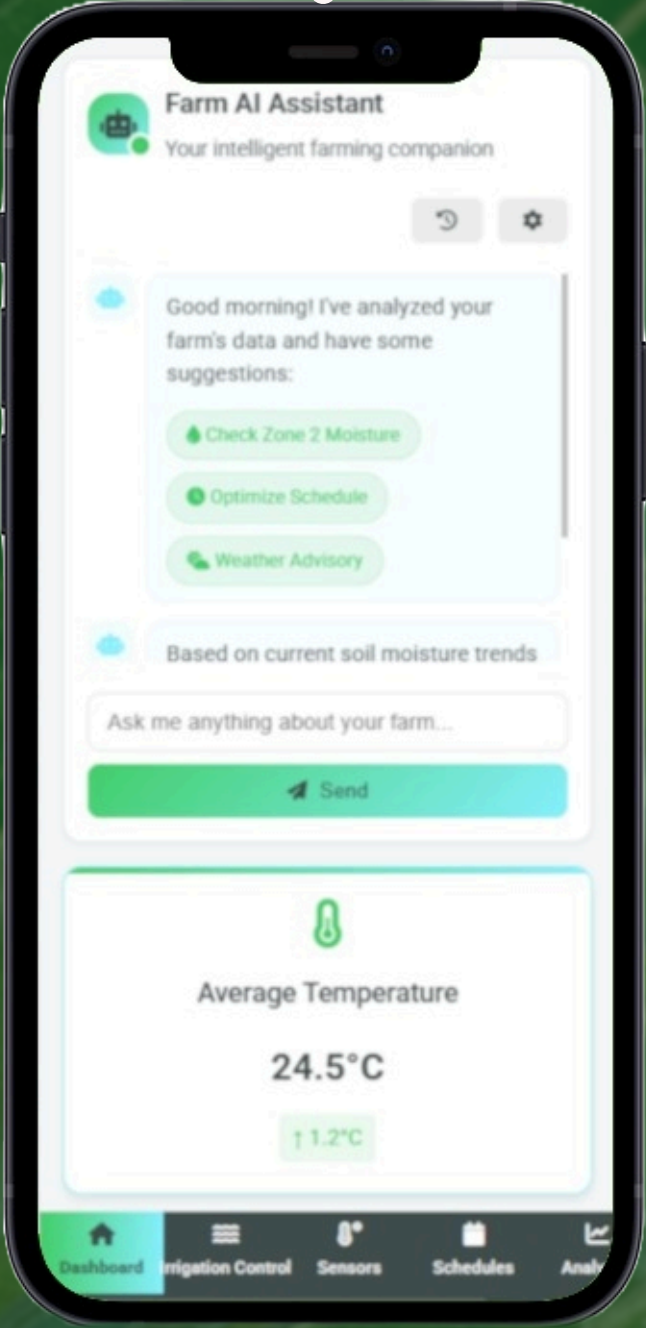
SOLUTION

lab
lab
ai

#RAISEYOURHACK

#AQUAGRID

MOBILE APP;
GROQ ASSISTANT
WORKS ONLINE
MANAGE IRRIGATION



IOT DEVICE;
EDGE AI - SNAPDRAGON X ELITE
LOCAL COMPUTING - LLAMA MODELS

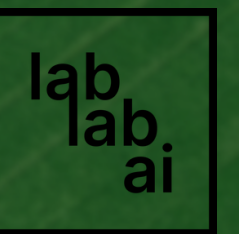


#RAISEYOURHACK

#AQUAGRID

BUSINESS MODEL

WE SELL PRODUCT + INSTALLATION
APP: SUBSCRIPTION-BASED



#RAISEYOURHACK

#AQUAGRID

TEAM



AMINE, 23
CTO



MOHAMED, 22
CEO

#RAISEYOURHACK

#AQUAGRID

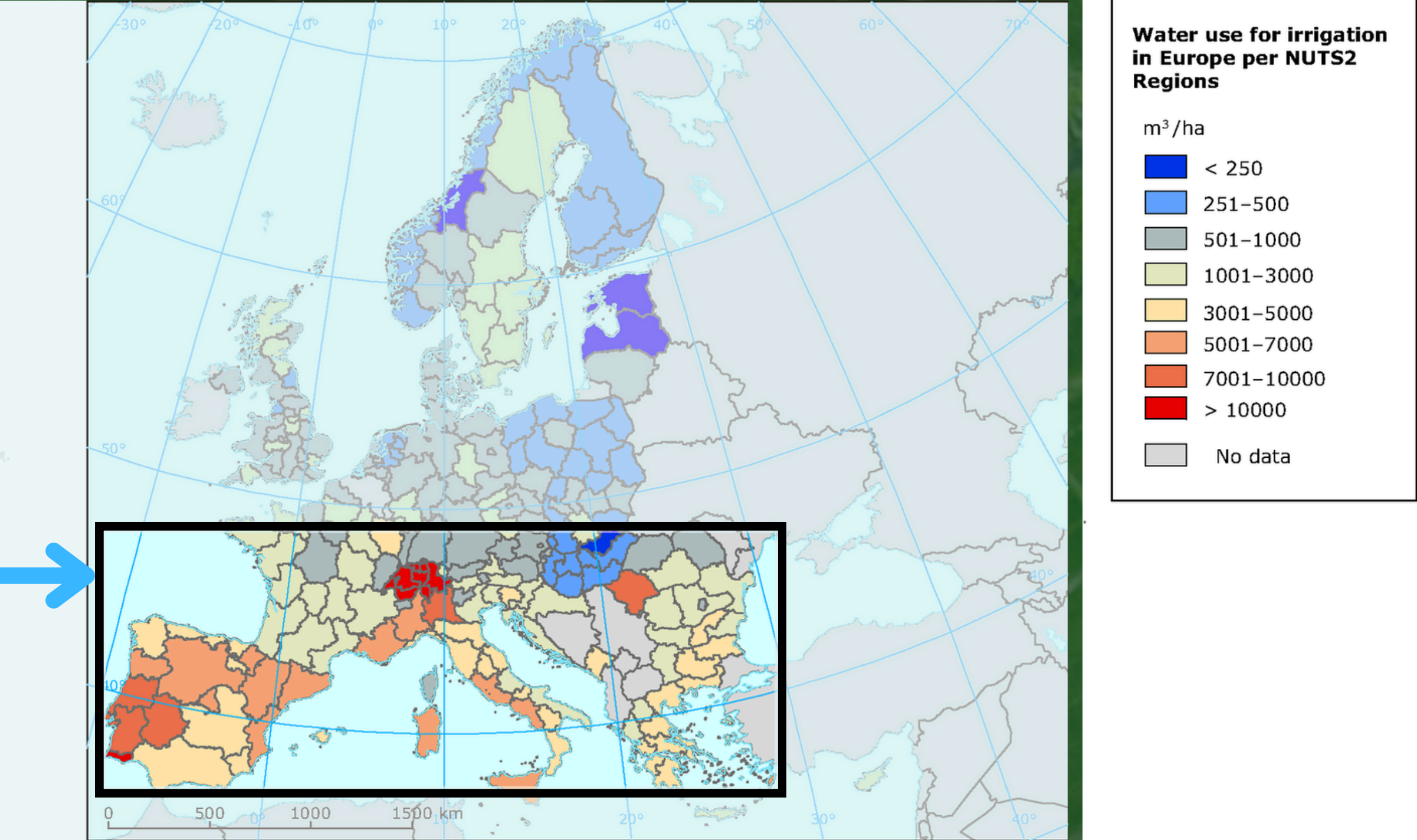
FUTURE

lab
lab
ai

#RAISEYOURHACK

#AQUAGRID

ALL SOUTH
EUROPE



#RAISEYOURHACK

#AQUAGRID

AFTER SOUTH
EUROPE WE WILL
GO GLOBAL :)

lab
lab
ai

#RAISEYOURHACK

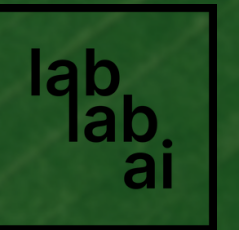
#AQUAGRID

LETS CONNECT :)



[LINKEDIN.COM/IN/MOHAMED-ZAIDI](https://www.linkedin.com/in/mohamed-zaidi)

ZAIDI.MZD@GMAIL.COM



#RAISEYOURHACK

#AQUAGRID

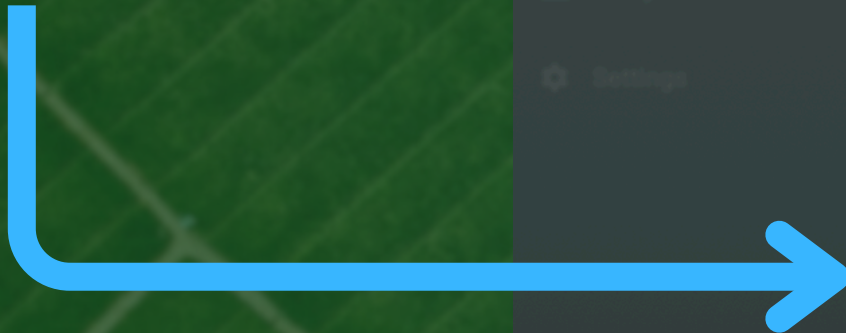
ANNEX


lab
lab
ai

#RAISEYOURHACK

#AQUAGRID

GROQ POWERED ASSISTANT





Dashboard


Schedules

Irrigation Control

Sensors

Analytics


Settings

 John Smith
Farm Manager

^

Zone 2 moisture levels below threshold

Irrigation cycle completed for Zone 1



Farm AI Assistant

Your intelligent farming companion

an optimized schedule?

How is my irrigation today ?

Let me check the schedule for you!

According to the schedule, there is a irrigation event scheduled for line 1:

- Start time: 1751821200 (or 7:33 AM)
- End time: 1751823000 (or 7:54 AM)

And for line 2:

- No irrigation events are scheduled for today.

Please note that the start and end times are in Unix timestamp format, but I've converted them to 12-hour clock format for your convenience.

Ask me anything about your farm...

Send

Average Temperature

N/A

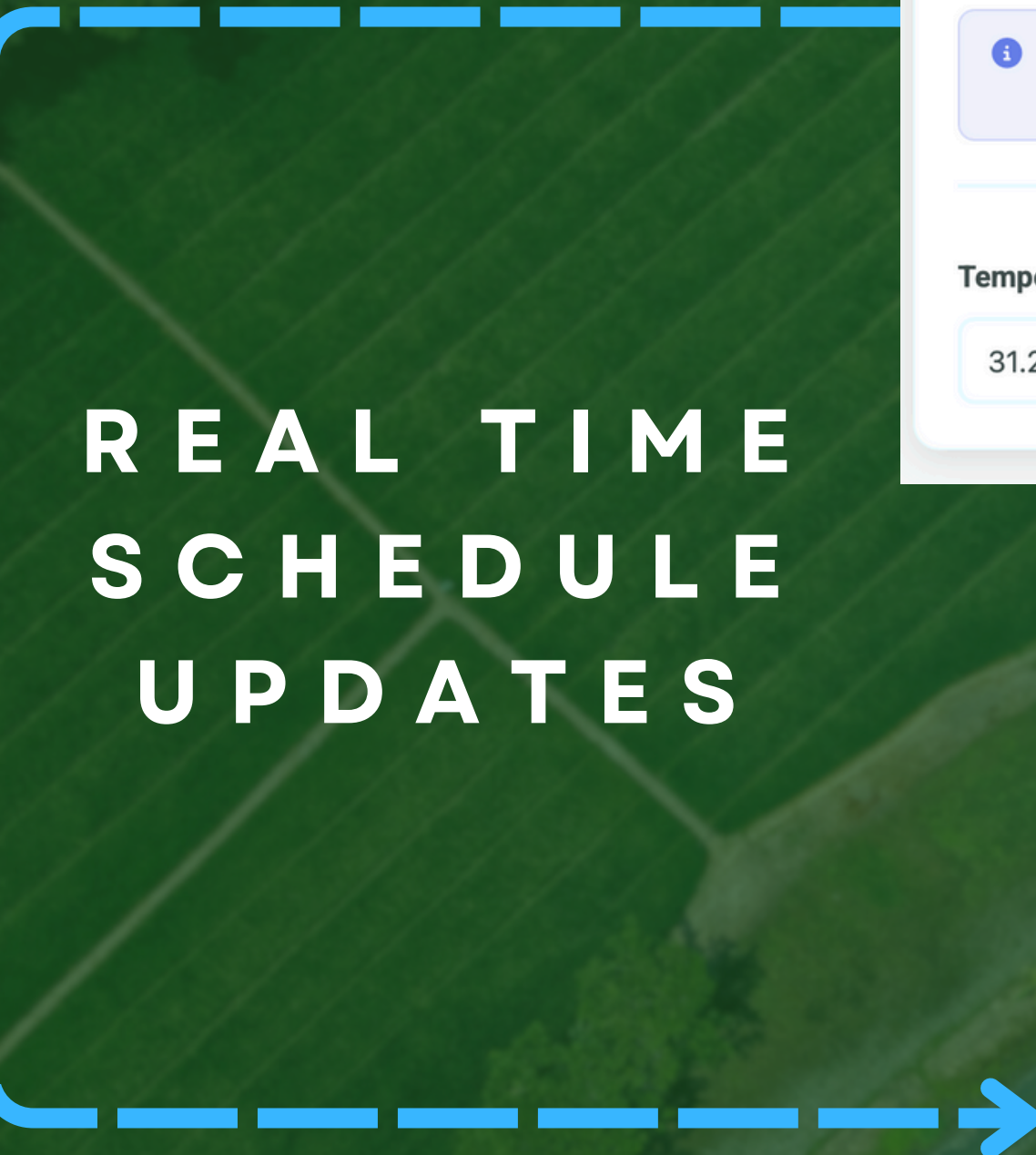
Soil Moisture

N/A

Active Zones

0/3






REAL TIME SCHEDULE UPDATES

Tempo

31.2


REAL TIME SCHEDULE UPDATES





AI Irrigation Modifier (Demo)



Adjust environmental conditions to see AI schedule changes



This demonstrates how AI would analyze sensor data on your local device to optimize irrigation schedules. The actual AI processing would happen locally for privacy and real-time performance. using Qualcomm and llama AI.



Temperature (°C)


31.2





Humidity (%)

93.6



 More Options

 Apply to Schedule



Adjust temperature and humidity to see AI recommendations...

Calendar interface for July 2025. The calendar shows days from Sunday to Saturday. The 8th of July is highlighted in green, indicating the current date. Navigation buttons for previous/next day, today, month, week, day, and list views are at the top. The 8th has four events: 07:00am Zt (light blue), 08:30am Zt (red), 09:05am Zt (light blue), and 07:00pm Zt (green). The 10th has three events: 07:00am Zt (light blue), 08:30am Zt (red), and 07:00pm Zt (green). The 12th has three events: 07:00am Zt (light blue), 08:30am Zt (red), and 07:00pm Zt (green).

#RAISEYOURHACK

#AQUAGRID

BEFORE

```
a future version. Use timezone-aware objects to represent datetimes in UTC: datetime.datetime.fromtimestamp(timestamp, datetime.UTC).
end = datetime.datetime.fromtimestamp(entry["end"], datetime.UTC).strftime('%Y-%m-%d %H:%M:%S')
```

💧 Irrigation Timings

Line ID	Start Time (UTC)	End Time (UTC)
1	2025-07-06 06:00:00	2025-07-06 06:30:00
1	2025-07-07 06:00:00	2025-07-07 06:30:00
1	2025-07-08 06:00:00	2025-07-08 06:45:00
1	2025-07-09 06:00:00	2025-07-09 06:30:00
2	2025-07-07 06:00:00	2025-07-07 06:30:00
2	2025-07-09 06:00:00	2025-07-09 06:30:00
3	2025-07-08 06:00:00	2025-07-08 06:45:00
3	2025-07-09 06:00:00	2025-07-09 06:30:00

🔍 Querying LLaMA3 for irrigation schedule... 0:02:20
✅ Response received in 140.62s

```
end = datetime.datetime.fromtimestamp(entry["end"], datetime.UTC).strftime('%Y-%m-%d %H:%M:%S')
```

🧠 AI-Generated Schedule

Line ID	Start Time (UTC)	End Time (UTC)
1	2025-07-09 07:00:00	2025-07-09 07:30:00
1	2025-07-10 02:13:20	2025-07-10 02:43:20
2	2025-07-09 09:20:00	2025-07-09 09:50:00
2	2025-07-10 04:33:20	2025-07-10 05:03:20
3	2025-07-09 11:40:00	2025-07-09 12:10:00
3	2025-07-10 06:53:20	2025-07-10 07:23:20

Loading...

✅ Final JSON Sent to Controller

```
{
```

AFTER

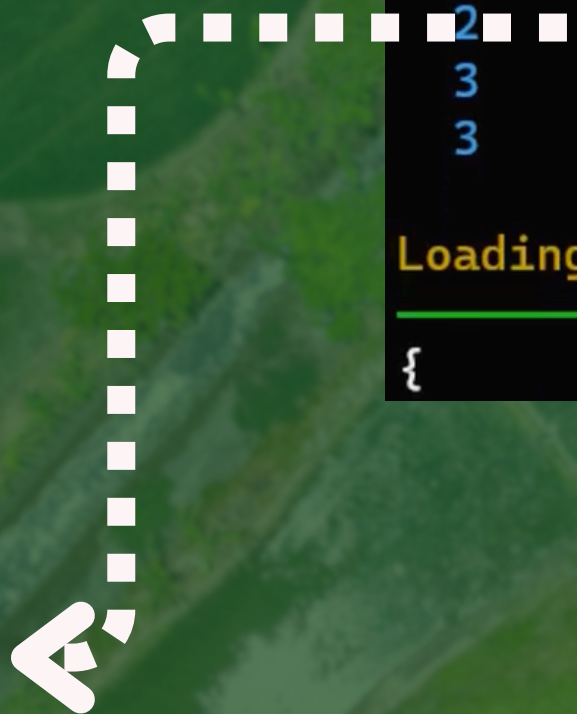
RUNS ENTIRELY ON-DEVICE
USING THE SNAPDRAGON X ELITE



#RAISEYOURHACK

#AQUAGRID

OUR CONTROLLER
RECEIVES THE
COMPUTED
SCHEDULE



```
end = datetime.utcfromtimestamp(entry["end"]).strftime('%Y-%m-%d %H:%M:%S')
```

🧠 AI-Generated Schedule

Line ID	Start Time (UTC)	End Time (UTC)
1	2025-07-09 07:00:00	2025-07-09 07:30:00
1	2025-07-10 02:13:20	2025-07-10 02:43:20
2	2025-07-09 09:20:00	2025-07-09 09:50:00
2	2025-07-10 04:33:20	2025-07-10 05:03:20
3	2025-07-09 11:40:00	2025-07-09 12:10:00
3	2025-07-10 06:53:20	2025-07-10 07:23:20

Loading...

✅ Final JSON Sent to Controller

```
{
```

