Jupiter

Smart IoT-based Sensors & Monitoring System

jupiter-sensors.com

Solution

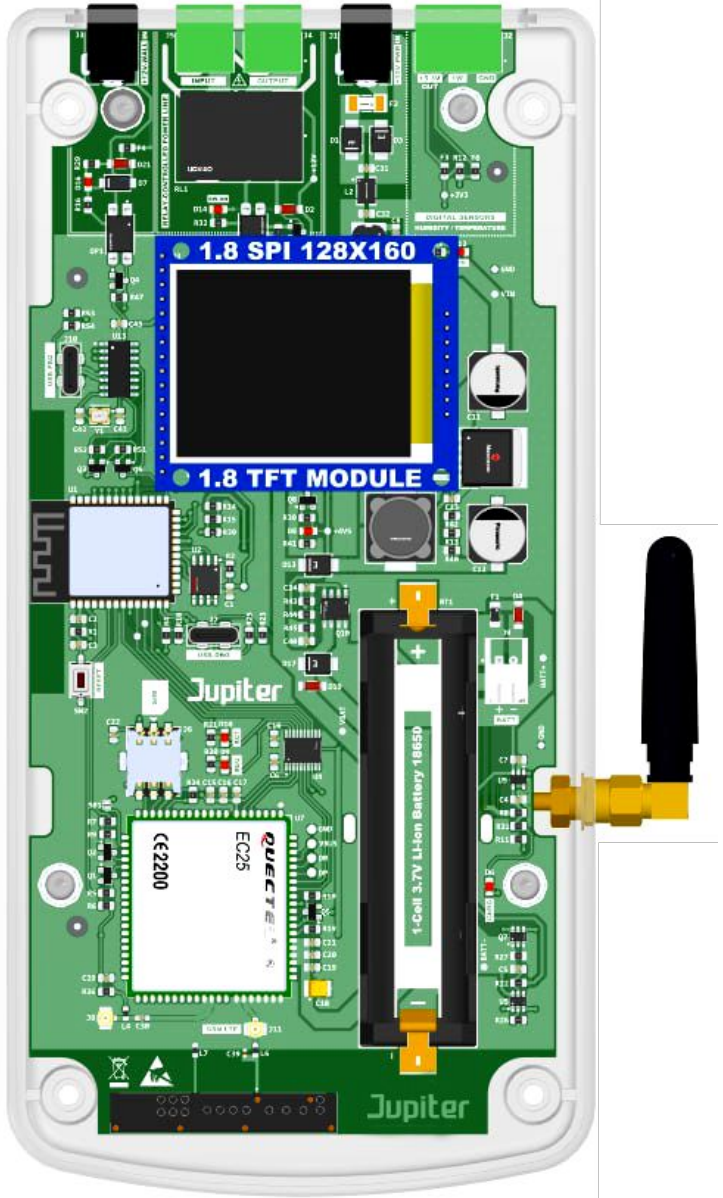
At Jupiter, we have designed and implemented various hardware and software solutions for industrial monitoring based on the Internet of Things (IoT) for small and medium-sized businesses.

Monitoring environmental conditions

The primary focus of Jupiter is monitoring environmental conditions such as temperature, humidity, coordinations, and fire(smoke) in small and medium-sized industrial, commercial, and agricultural businesses.

Problem

In many small and medium-sized businesses, including industrial, medical, and agricultural sectors, continuous monitoring and control of environmental conditions such as temperature, humidity, power status, etc., are crucial. Any issues arising in these parameters can lead to significant damages and expenses for these businesses.



Products

- Monitoring
- Status: Sales and Marketing
- We have sold approximately **180 units** to date.
- This innovative device serves as a comprehensive monitoring solution, keeping track of:
  - **Temperature**
  - **Humidity**
  - as well as detecting **Smoke**.
  - **GPS coordinates**

Mobile & Web App

We have sold our product to:

- **Data centers & server rooms:** to monitor temperature, humidity, and detect smoke there.
- **Medical Labs & pharmacies:** to monitor temperature of medical kits and samples refrigerators
- **Greenhouses:** to monitor temperature & humidity of greenhouses environment. it is very important in greenhouses and growing salons
- **Refrigerator Trucks**
- **Warehouses**
- **Art galleries & museums**
- **etc...**

Use Cases

Jupiter

New Products

Other features(new version):

- Embedded IoT SIM card
- better industrial design

parameters:

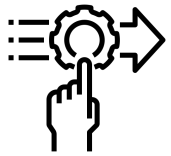
- **Electricity Current**
- **Vibration**
- **Battery Voltage**
- etc...

Trigger Actions

When the IoT device detects that the temperature or humidity levels are outside the predefined acceptable range, it initiates trigger actions to address the situation promptly:

Send Notifications

the user receive a SMS or notification on mobile APP



Command

For example: Send a command to activate a cooling system.

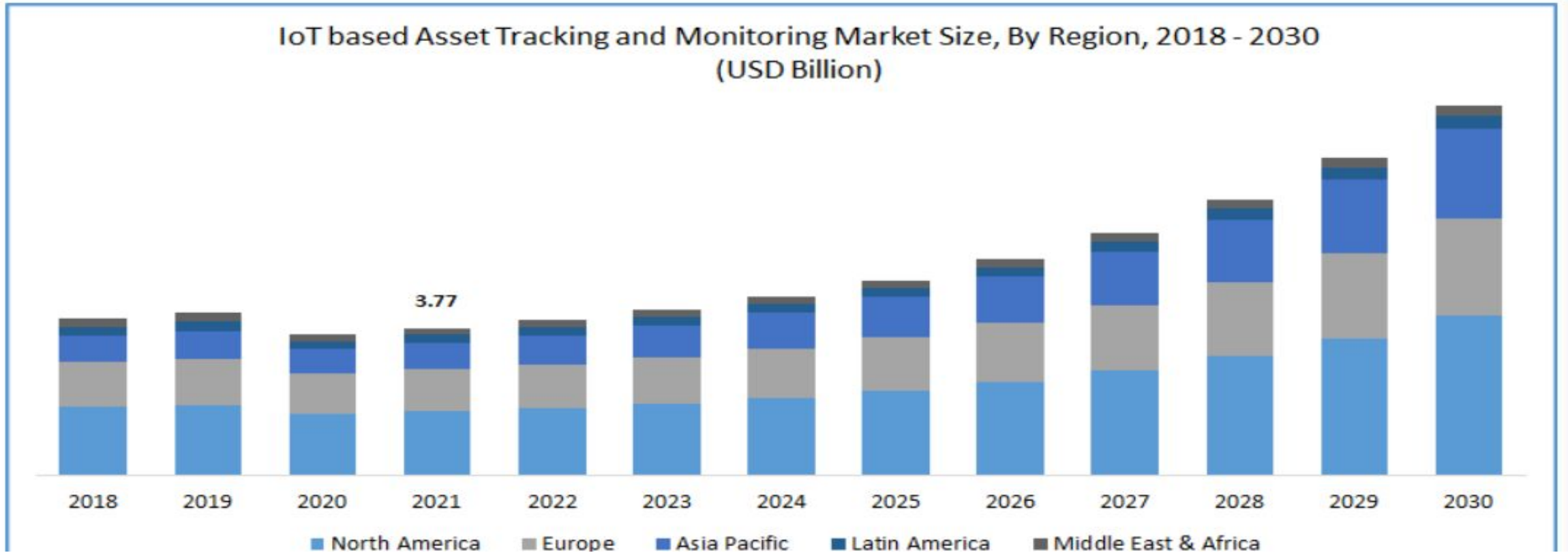
3rd party APP

Send alerts to users via messaging platforms like Slack or Telegram.

slack

Market Analysis

The global IoT based asset tracking and monitoring market was valued at USD 3.77 billion in 2021 and is expected to grow at a CAGR of 11.5% during the forecast period. The use of technological knowledge, such as the Internet of Things (IoT), Machine Learning (ML), and Artificial Intelligence (AI), has led to a new phase of digital tracking and monitoring industry growth.



https://www.polarismarketresearch.com/industry-analysis/iot-based-asset-tracking-and-monitoring-market

Jupiter

Market Analysis

Similar solutions for monitoring and control in these businesses costs several times more than our product, and the lack of monitoring can cause significant financial damage to these businesses.

Targeted Markets

We are going to start our sales from the Baltic states, then expand it to all European & MENA countries.

There are millions of potential customers in Europe. our first targeted sectors of markets are:

- **Data Centers & server rooms**
- **Medical Labs**
- **Refrigerator Trucks**
- **WareHouses**
- **Manufacturies**

Revenu Models

Retail(B2C)

Pro Version
Subscription

Customers

international

Iran

Vision

- Selling 2000 devices in First 3 years(about 400,000 euros)
- 300 Pro Subscription in First 3 years
- expanding monitoring capabilities and creating an AI-based warning forecasting system with:
  - **Temperature sensors**
  - **Smoke detection sensors**
  - **GPS**
  - **Battery Voltage Sensor**
  - **Electricity current sensors**
  - **Vibration Sensors**

Jupiter

UVPs

- The most important unique value of Jupiter is creating professional & useful IoT monitoring systems that need **zero configuration** and anyone in any place of the world**(via embedded SIM card)** can use them.
- The most important issues solved by our platform :
  - **Remote Monitoring**(Sensors)
  - **Disaster Detection**(Sensors): High temperature, Fire detection, Power & UPS charge Shortages, Short Circuit Detection
  - **GPS Tracking & Navigation**(Sensors)
  - **Energy Optimization**(Sensors & AI)
  - **Disaster Prediction**(Sensors & AI)
  - **Predictive Maintenance**(Sensors & AI)

Jupiter

Competitive Landscape

Name / Website	temperature	Electricity Current	Smoke & Fire	Vibration Sensor	Battery Monitoring	IoT 4g	WiFi	Config Easiness
www.sensorpush.com	✅	⛔	⛔	⛔	⛔	⛔	✅	8/10
www.semeq.com	✅	✅	⛔	✅	⛔	⛔	✅	5/10
www.loggerflex.com	✅	⛔	⛔	⛔	⛔	✅	✅	10/10
www.tempcube.io	✅	⛔	⛔	⛔	⛔	✅	✅	10/10
Jupiter	✅	✅	✅	✅	✅	✅	✅	10/10

Team

Hossein Hashemi

UI/UX Designer
& Front-End Developer

Co-founder

Ehsan Vaseghi

Senior Software
Engineer & Team Lead

Founder

Sasan Yazdi

Marketing & Digital
Strategist

Co-founder

Hooman Hematkhah

Circuit Designer &
Embedded Engineer

Required Investment

- We are going to test different **Marketing Channels** & **Market Sectors** with **100** devices in Europe in 6 months(starting from baltic states)
- For implementing the new version of the device and implementing new software platform we need **20,000** euros(costs+Infra).
- Cost of **100** electronic devices would be about **8,000** euros.
- For first six month we need an IoT platform that costs **3000** euros. (Onomondo.com)
- Marketing campaigns would cost something about **15000** euros.
- Registering a Trademark and Accounting costs about **4000** euros.
- **Total Required Investment** is **50,000** euros.

Jupiter

Jupiter

www.Jupiter-sensors.com
Jupiter-sensors@outlook.com