What we do?

We design & manufacture

Smart Wireless IoT Sensors, IoT gateway, IoT solutions

for different vertical applications
Figure Facts

> 16 years
Experiences in Process Instruments & Controls

> 90
Product types have been developed

> 10 years
In developing and manufacturing Industrial Sensors

> 30
IoT solutions have been deployed

< 3 weeks
To develop a new sensor

> 50,000
Products have been sold

> 150
Industrial Customers in Vietnam

> 20
Solution Partners in Vietnam

> 30
Solution Partners in other countries

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Certifications

Certificate for Fuel Level Sensors
Certificate for Wireless Sensors
Certificate for IoT Gateway
Certificate for Daviteq
Daviteq Milestones

• 09-2004: Company Registered (as shown in business license)
• 07-2006: Official operating with trading activities, distributing Process Instruments & Controls products from famous brands Emerson, Yokogawa, Magnetrol, Opto22, Crane, Komoto;
• 2009: The 1st Hardware R&D team was formed to develop Sensors;
• 2010: The 1st product – Fuel Level Sensor PulseCAP10 was introduced to Vietnam market, for Transportation Industry;
• 2012: Started exporting PulseCAP10 fuel level sensors to Oversea markets;
• 2012: The Software R&D team was formed to start develop the Connected Platform (the former name of IoT Platform Globiots);
• 2014: The first IoT solutions was installed for customer, a Coffee factory, to monitor the Steam & Boiler water quality;
• 2017: Started developing and manufacturing the Wireless Sensors using Sub-GHz technology from Texas Instruments;
• 2018: Started developing and manufacturing the LoRaWAN Wireless Sensors;
• 2019: Started developing and manufacturing the Sigfox Wireless Sensors;
Daviteq Mission

Our Mission
Develop and manufacture state of the art and high-quality products to improve the efficiency customer’s business.

Our Values
- Produce products that are above customer’s expectation;
- Our customers success is our target;
- Create an inspiring work environment for every Daviteq employee
- Sustainable development to build better life for everyone;

Operation Philosophy
- Planning our development;
- Discipline in actions;
- Creative in solutions
- Flexible in issues;
- Responsible in business;
Why Daviteq?

- 17-year experience in Industrial Measurement and Controls;
- 10-year experience in Developing and Manufacturing instruments, IoT wireless sensors, IoT gateways & IoT solutions;
- In-house product developing capability from Hardware, Firmware, Software (Server back-end, Web, Mobile);
- Product to comply International standard: CE, EMC…
- Core technology: Ultra-low power wireless sensors (single battery can last 10-15 years);
- Core technology: Support various open connectivities: LoRaWAN, Sigfox, Sub-GHz, NB-IoT…
- Core technology: NO-CODE IoT Platform for quick deployment any IoT Solutions;
- Worldwide markets: Vietnam, Singapore, Malaysia, Australia, New Zealand, India, South African, Europe…
Serving different kinds of Industry

Steel
Cement
Mining

Chemical
Fertilizers
Petrochemical

Food & Beverages
Textile
Our activities

- Daviteq at ISA Vietnam 2019
- Daviteq at IoT Asia 2019, Singapore
- Daviteq at GSMA 360 2019, Kuala Lumpur
- Daviteq at Exhibitions in Nurnberg, Germany 2015
- Daviteq at Asia IoT Business Platform 2019, Vietnam
- Daviteq at Asia IoT Business Platform 2019, Myanmar
Daviteq Strategic Products

Wireless Sensors & Actuators

IoT Products

IoT Solution Packages

Sub-1GHz

sigfox

LoRaWAN

NB-IoT
Daviteq Sub-GHz Wireless Sensors

- **Long Distance communication**
  1000m LOS or go through 4 floors

- **Up to 15-year Battery life**
  by popular battery Alkaline or Lithium

- **2-way communication**
  For strong functions, Configuration on Air

- **CE/RED Certified**
  EMC, Safety and IP67 test reports by SGS

- **Many kinds of Sensors and I/O**
  Temperature, humidity, pressure, level, analog, digital, ambient light, vibration, gas sensor, liquid sensor...
Daviteq Wireless Sub-GHz – Easy of Use

1. Open cover by 1 screw
2. Insert Battery AA 1.5V
3. Place sensor nearby Wireless Co-ordinator to add it in
Daviteq Wireless Sub-GHz Sensors & Actuators

Wireless Sensor Transmitter

Wireless Ambient Temperature Sensor

Wireless Ambient Humidity Sensor

Wireless Process Pressure Sensor

Ambient Temperature Sensor Module

Ambient Humidity & Temperature Sensor Module
Daviteq Wireless Sub-GHz Sensors & Actuators

- Process Pressure Sensor Module
- Wireless Sensor 0-20mA current input
- OEM Wireless Sensor 0-3VDC voltage inputs
- Wireless sensor Digital Inputs
- Wireless sensor AC current input
- Wireless Relays

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Daviteq Wireless Sub-GHz Sensors & Actuators

Click here for More info
Daviteq LoRaWAN Sensors

✔ Very Long Distance communication
  2-3 kms in urban or go through 8 floors

✔ Up to 10-year Battery life
  by popular AA battery Alkaline or Lithium

✔ Strong functions
  For Alarm processing, counting...

✔ CE/RED/FCC Compliance Ready
  to be certified soon

✔ Many kinds of Sensors and I/O
  Temperature, humidity, pressure, level, analog, digital,
  ambient ligth, vibration, gas sensor, liquid sensor...
Daviteq LoRaWAN Sensors – Easy of Use

Open 2 screws by Allen key

Configuration by Offline cable with free software

Insert 02 x AA batteries 1.5V

Manually triggering data sending by Magnetic key
Daviteq LoRaWAN Sensors

and more ....

Click here for more info
Daviteq Sigfox Sensors

- Very-very Long Distance communication
  4-6 kms in urban or go through 12 floors

- Up to 10-year Battery life
  by popular AA battery Alkaline or Lithium

- Strong functions
  For Alarm processing, counting...

- CE/RED/FCC Compliance Ready
  to be certified soon

- Many kinds of Sensors and I/O
  Temperature, humidity, pressure, level, analog, digital, ambient ligth, vibration, gas sensor, liquid sensor...
Daviteq Sigfox Sensors – Easy of Use

- Open 2 screws by Allen key
- Configuration by Offline cable with free software
- Insert 02 x AA batteries 1.5V
- Manually triggering data sending by Magnetic key
Daviteq Sigfox Sensors

and more ....

Click here for more info
Daviteq Fuel Sensors & Fuel Monitoring

**Daviteq Fuel Level Sensors**

- More than 50,000 sensors produced
- Robust mechanical design
- High stable measurement
- Smart Firmware allows Auto-Calibration
- Multiple output: 1-5VDC, RS232, 4-20mA, RS485...
- CE Mark

[Click here for more info]
Daviteq IoT Products

and more

Click here for more info
Daviteq Smart IoT Gateways

- Robust Industrial Design IP67/68 for outdoor harsh environment

- Smart IoT Gateway
  3-in-1, Data logger + Logic Controller + Gateway

- Remote Activation/Configuration via Globiots platform...

- CE/RED/FCC Compliance Ready to be certified soon

- Support GPRS/3G/4G/NB-IoT/M1/WiFi/Ethernet to suite different applications
Smart IoT Gateway – Easy of Use

Offline configuration the Connectivity

Log in Globiots portal for Activation Configuration

Configuration for Dashboard / Report and start to use!
Globiots is a Global Industrial Internet of Things Platform, developed by Daviteq since 2012, gained from 10-year experiences in Measurement & Controls;

• Globiots platform allows customers easily connect their machine, process & people for Remote Management and Business Intelligent.

• Globiots can be deployed and installed everywhere in the World. All Globiots clusters can be connected worldwide to form a distributed world-wide IoT system.
Daviteq IoT Products – Globiots Platform

Globiots system on Cloud

Globiots system in On-premise Industrial Server

OR
Daviteq IoT Products – Globiots Platform

SQL Server
BI Software
ERP
MES ...

Web Portal

Android
iOS
Mobile app

RestAPI
MQTT
SQL connection
CSV file Export
TXT file via FTP

SMS/GPRS/3G/4G

ETHERNET

WIFI

Desktop Laptop, PC

Tablet Smartphone
1. Power monitoring
2. Temperature and humidity monitoring
3. Machine operation monitoring
4. Machine performance monitoring
5. Refrigerated container monitoring
6. Fuel monitoring
7. Greenhouse monitoring
8. Hydroponics system monitoring
9. Corrosion monitoring for gas pipeline
10. Boiler monitoring
11. Server room monitoring
12. Pharmacy warehouse monitoring
13. Chiller monitoring
14. Generator set monitoring and control
15. Telecomunication station monitoring
16. Pump station remote monitoring and control
17. Waste air monitoring
18. Fire alarm system monitoring
19. Metal processing machine tool monitoring
20. Plastic extruder monitoring
21. Water monitoring in shrimp farm
22. Dry food silo monitoring and control
IoT Solution – Power Monitoring

Highlight Features
1. Various power meter type monitoring
2. Easy upgrade and expansion
3. Quick system deployment
4. Investment optimization
5. Optimized software

Applied Industries
• Smart Factory
• Smart Logistics
• Smart City
• Smart Agriculture
• Smart Facility
IoT Solution – Temperature & Humidity Monitoring

Highlight Features
1. True wireless sensor
2. Easy upgrade and expansion
3. Quick system deployment
4. Investment optimization
5. Easy system maintenance

Applied Industries
- Smart Factory
- Smart Logistics
- Smart City
- Smart Agriculture
- Smart Facility
Highlight Features
1. Various machine type monitoring
2. Easy upgrade and expansion
3. Quick system deployment
4. Investment optimization
5. Convenient system maintenance

Applied Industries
• Smart Factory
• Smart Logistics
• Smart City
• Smart Facility
Highlight Features
1. Various machine type monitoring
2. Easy upgrade and expansion
3. Quick system deployment
4. Investment optimization
5. Customized and specialized software

Applied Industries
• Smart Factory
• Smart Logistics
• Smart City
• Smart Facility
IoT Solution – Refrigerated Container Monitoring

Highlight Features
1. Anywhere, anytime monitoring
2. Easy upgrade and expansion
3. Quick system deployment
4. Investment optimization
5. Customized and specialized software
6. Convenient data exchange

Applied Industries
• Smart Logistics
• Smart City
• Smart Agriculture
IoT Solution – Fuel Monitoring

Highlight Features
1. Anywhere, anytime monitoring
2. Easy upgrade and expansion
3. Quick system deployment
4. Investment optimization
5. Customized and specialized software
6. Convenient data exchange

Applied Industries
• Smart Factory
• Smart Logistics
• Smart City
• Smart Facility
IoT Solution – Greenhouse Monitoring

Highlight Features
1. Anywhere, anytime monitoring
2. True wireless sensor
3. Easy upgrade and expansion
4. Quick system deployment
5. Investment optimization
6. Fast system maintenance

Applied Industries
• Smart City
• Smart Agriculture
• Smart Facility
Highlight Features
1. Anywhere, anytime monitoring
2. True wireless sensor
3. Easy upgrade and expansion
4. Quick system deployment
5. Investment optimization
6. Fast system maintenance

Applied Industries
• Smart City
• Smart Agriculture
Highlight Features
1. Real time 24/7 monitoring
2. Available API for 3rd party software
3. Automatic alarm notification
4. Optimized and flexible investment
5. 30-minute installation
6. Customized functions and reports
7. “True wireless” system, max 1000m
8. Easy upgrade and expansion

Applied Industries
• Smart Facility
IoT Solution–Pharmacy Warehouse Monitoring

**Highlight Features**

1. Real time 24/7 monitoring
2. Available API for 3rd party software
3. Automatic alarm notification
4. Optimized and flexible investment
5. 30-minute installation
6. Customized functions and reports
7. “True wireless” system, max 1000m
8. Easy upgrade and expansion

**Applied Industries**

- Smart Logistics
- Smart Facility
Some Case studies

Effective monitoring of In2food’s cool rooms with wireless sensors

“With Daviteq’s high performance, durable and long-lasting wireless sensor and receiver, reliable cloud platform powered by IBM cloud, as well as simple, powerful and easy to use monitoring app, we give the production manager peace of mind knowing the facility is being monitored 24/7 hours a day 365 days a year by Templagger’s solution. The solution helps customer reduce daily labour costs, promote high food safety standards and keep accurate temperature records.”
Connor Sweeney - Co-Founder

Tinasoft deploys fast IoT greenhouse with Sub-GHz sensors
March 24, 2020 / Marketing Department / Case studies, HiTech, Agriculture, Biotechnology

“Daviteq provides a comprehensive hardware solution from sensor to co-ordinator with various Sub-GHz wireless sensors. In comparison with other suppliers, Daviteq’s differentiations are completeness on products as well as easy integration in hardware and software. Therefore, Tinasoft could concentrates in developing IoT software and control module for IoT solution of greenhouse.”
Nguyen Quoc Uy - CTO
Some Case studies

Globiots application for vaccine, pharmaceutical warehouse

*Incident of vaccine fridges results in our loss of 1.2 billion VND, 7-day vaccination stagnation and huge indirect loss in top 1 medical group of Vietnam. With only 30 million VND investment, Daviteq’s pharmacy monitoring system automatically calls manager if vaccine temperature is out of range (< 2 oC and > 8 oC) or water leakage is on the floor. We are impressed by Daviteq’s advanced wireless sensors as well as their professional project team. The system is deployed within only 15 minutes and monitor all factors in our warehouse (temperature, humidity, equivalent-grade environment...).*

Esquel apply Globiots to save 5% energy consumption

*“IoT Globiots energy management solution helps us to find out electrical energy waste especially at night time and to design relevant methods to save 5% electrical energy without further investment.”*

*Nguyen Tri Dung - Factory technical manager*
THANK YOU!