



# Introduction of Internet of Things



# Four Kinds of GPRS Data Transmission Module

There are several kinds of GPRS Data Transmission Module self-developed by VEICHI









#### AC300-GPRS

SPI Interface, Support Could Platform, Modbus Protocol (Special for AC300 )

S200-GPRS(B) RS485 Bus Connection, Modbus Protocol, Support Cloud Platform (Special for construction hoist)

# GPRS-D

APP QR code connection, Wireless connection with could platform (Special for SI 20/SI30)

#### **GPRS-C 1.1**

Smaller size, high efficiency, Multi-nodes connection, Support cloudplatform (General inverter)





# Solar Pump IOT

#### VEICHI 伟创电气





# Construction Hoist IOT V General IOT



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#### Real-time Monitoring 🖻

Real-time monitoring, Periodic sampling, Parameter remote inspection & modification, Remote lock and unlock, Run & Stop

#### Fault Report

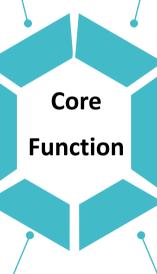
Real-time fault report, Fault record & analysis, Fault statistics

#### **Device Management**

Device type,

Device settings,

Expiration maintenance



#### 🔍 🛛 Data Anlysis

inspection and exporting of fault report, Graphical analysis, Statistics of running time

# GPS Localization

Real-time location track Intelligent location display GPRS parameter remote inspection & modification

### **A** Maintenance Infos

Role management , User management, Data management, Operation record, Password modification





# **Cloud Platform Features**

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GPS Localization	Graphical Analysis











Real-time localization

Remote control /communication/ measure/monitoring



#### Fault statistics & analysis



#### Maintenance record & reminder

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#### Non-touch Connection

Download by scanning QR Code and connect with GPRS module to achieve non-touch connection.

#### Easy to download APP

Download at anytime and anywhere to update the latest APP with low memory occupation.

### Intelligent Control

Intelligently control the operation status of terminal devices at real time

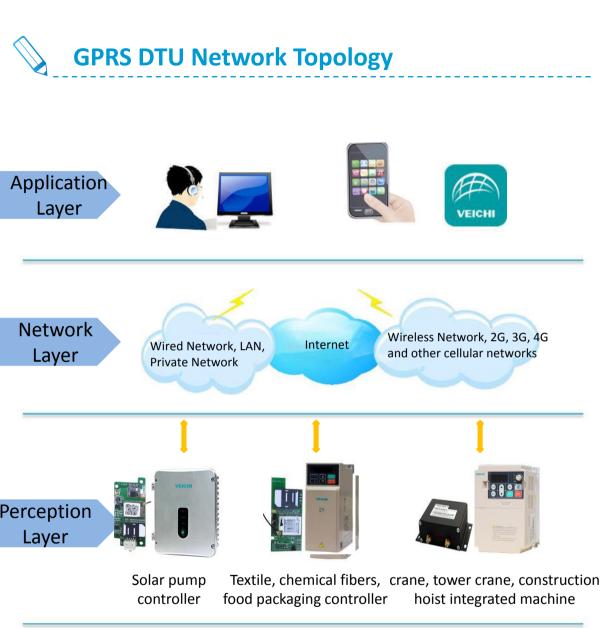
# Easy to check & modify

Check the information and modify parameters arbitrarily, including unit, function declaration and prompt messages about errors.















#### **Comprehensive Perception**

**Intelligent Control** 

**Industry Solution** 

Professional Customization

# **Industry Solution**

Our R&D team will develop integrated industry solutions according to customer's requirements.

# ➡

# **Intelligent Control**

Process and analyse the data from terminal devices in cloud platform and APP to realize intelligent and professional management.

# **Comprehensive Perception**

The data transmission module could collect parameters information of terminal devices, monitor the running status and report the fault information forwardly at anytime and anywhere. Wireless and remote connection with cloud platform wireless.

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# **Application-Solar Pump Inverter**

#### **Solution Features:**

Data Transmission Module: GPRS-D

Communication Mode: Wireless, Bluetooth

Terminal Devices: SI20、SI30

#### Solution Advantages:

(1)Provide IOT integrated solutions of solar pump inverter;

(2)Automatically collect and upload without interruption in 7\*24 hours to monitor the pump status.

(3)Basing on field conditions, the remote expert consultation

function could enhance the ability of accident handling;

(4)Cloud computing calculates the remain time according to the work life of spare parts and reminds the replacement;

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# **Application- Construction industry**

# **Solution Features:**

Data Transmission Module: S200-GPRS、 GPRS-D Communication Mode: Wireless Transmission Terminal Device: Hoist, Tower Crane, etc.

### Solution Advantages:

(1) Provide the integrated solutions of tower crane IOT system;

(2) Not bother with small problems through parameter remote modification and 24-hour real-time monitoring;

- (3) Push fault information the first time by the pre-alarm system;
- (4) Historical data statistics supplies big data applications and

provides support for precise marketing and products upgrading.;

#### Solved Problem:

High-altitude operations, hard maintenance, lower efficiency of Controller inspection; higher after-sales costs, etc.





#### **Application Cases**





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# **Application-Textile and Food Packaging** Solution Features:

Data transmission module: S200-GPRS, GPRS-D

Communication mode: wireless transmission.

Terminal device: AC70C, AC300 series General VFD.

### Solution Advantage:

(1) Provide IOT integrated solutions for textile production;

(2) Real-time monitoring, regular sampling, intelligent analysis and calculation for device operation time and yield, working time coordination of production lines, intelligent pre-alarm and SMS real-time notification of fault information;

(3) Historical data statistics supplies big data applications and

provides support for precise marketing and products upgrading.

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**Application Cases** 





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