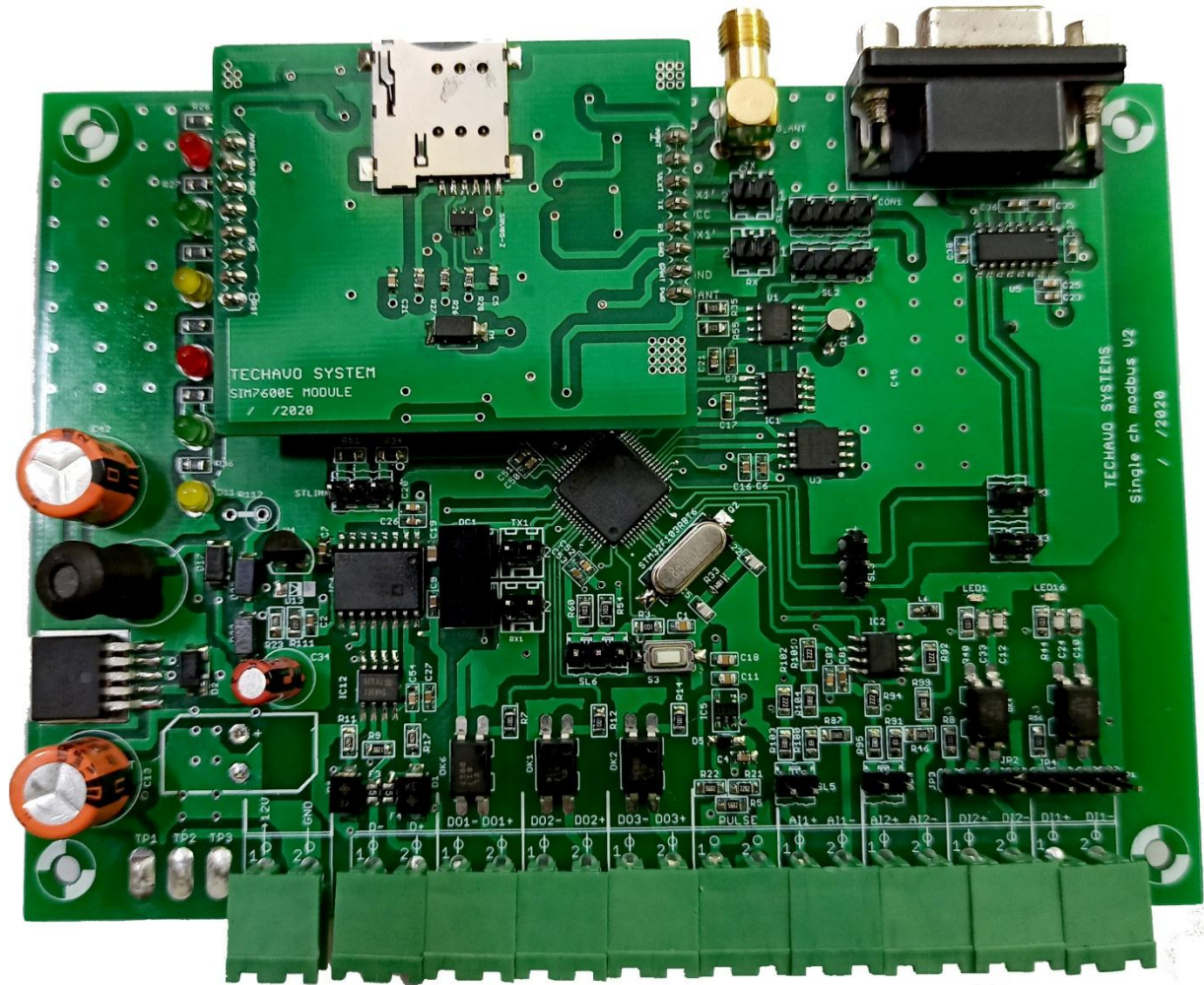


# Techavo Systems

We Engineer Your Dreams

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**Model: TSRTU1002**  
**Name: 2g/3G/4G/WiFi RTU**

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Techavo Systems

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## Introduction

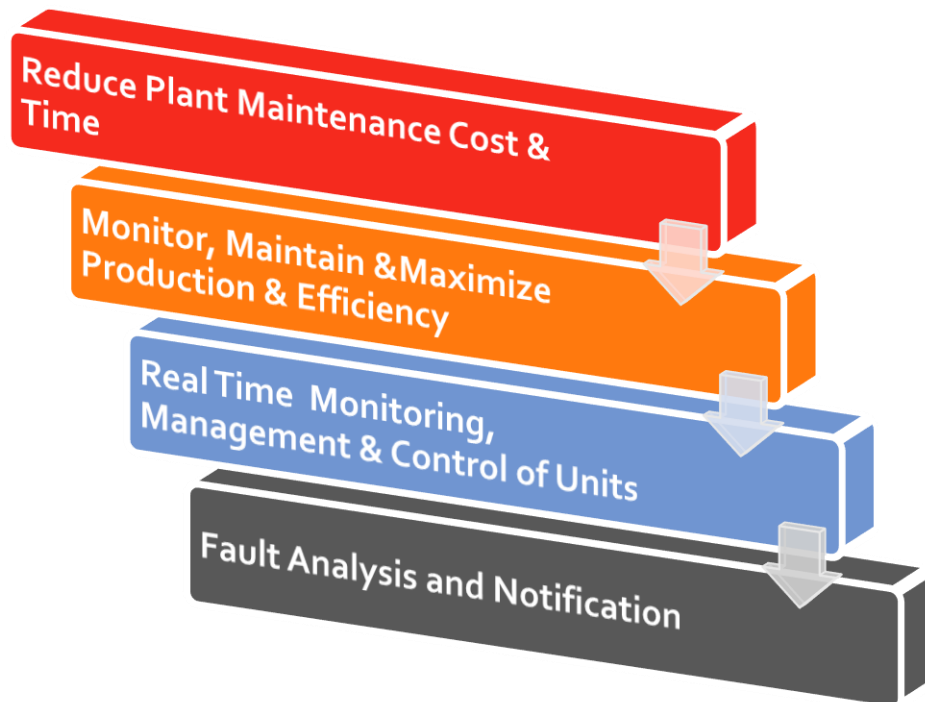
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The is an industrial grade reliable and stable programmable Remote Terminal Unit (RTU). At the core of the unit is a 32 Bit High End Arm Processor. It provides 2 isolated Dry and Wet digital inputs, 2 isolated universal analog inputs, 3 relay outputs, 1 pulse input with noise cancellation. It can monitoring and operates the I/O ports by SMS, APP, Web Server, internet, timers and programmed inter-lock events automatically.

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## Benefits

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## Features:

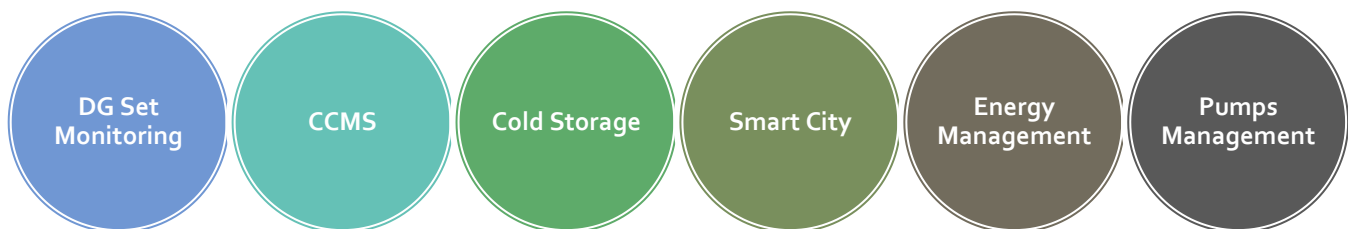
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- Intelligent Modbus, IO, Data Logger, 2G,4G GPRS/WiFi/Lora Connectivity
- 1 x RS-485 port for RTU Modbus, 1x RS232 port for HMI, TTL for Configuration
- Embedded ARM® Cortex™-M4 32 Bit RISC Core, 168 MHz inside, RTOS system, reliable performance with in-built watchdog;
- Wide range power supply 9~36VDC with over voltage and phase-reversal protection;
- 2 digital inputs, compatibles dry and wet contact, one of it can be used as pulse counter;
- 2 analog inputs, 12bit resolution, compatibles 0/4~20mA, 0~5VPoll Both RS485 RTU Modbus and TCP Modbus (Multiple IPs)
- Configure and Read Multiple Slave IDs Upto 30, Selectable Register Address data upto 30.
- Parameter Data type, Byte Swapping Conversion and Scaling factor enabled.
- Transparent Modbus or Device Inbuilt Polling – Formatted to (ASCII/HEX/RawHEX)
- Smart Inbuilt Data Logger works during Network and Server Disconnection
- Logger Sends offline data once Network and Server Connected
- Upto 6 Authorized numbers list for command and Configuring.
- Configurable TCP/Http/MQTT/Https Mode, GET/POST Methods
- Configurable CSV/JSON Format for Parameter Packetization
- Remote Configuration through SMS/GPRS/Server IP Commands
- Alerts: Power Failure Restore, Low battery Shutdown, Digital IN Changes, Device Reset.
- OTA (Over The Air) Firmware upgrade, Device Configuration update.
- LED & LCD indicators to provide GSM, GPRS, Signal, Modbus Tx/Rx COM Status.
- Configurable Server Connection: Connects on Demand or Always Connected.
- Keep Alive command to maintain socket connection

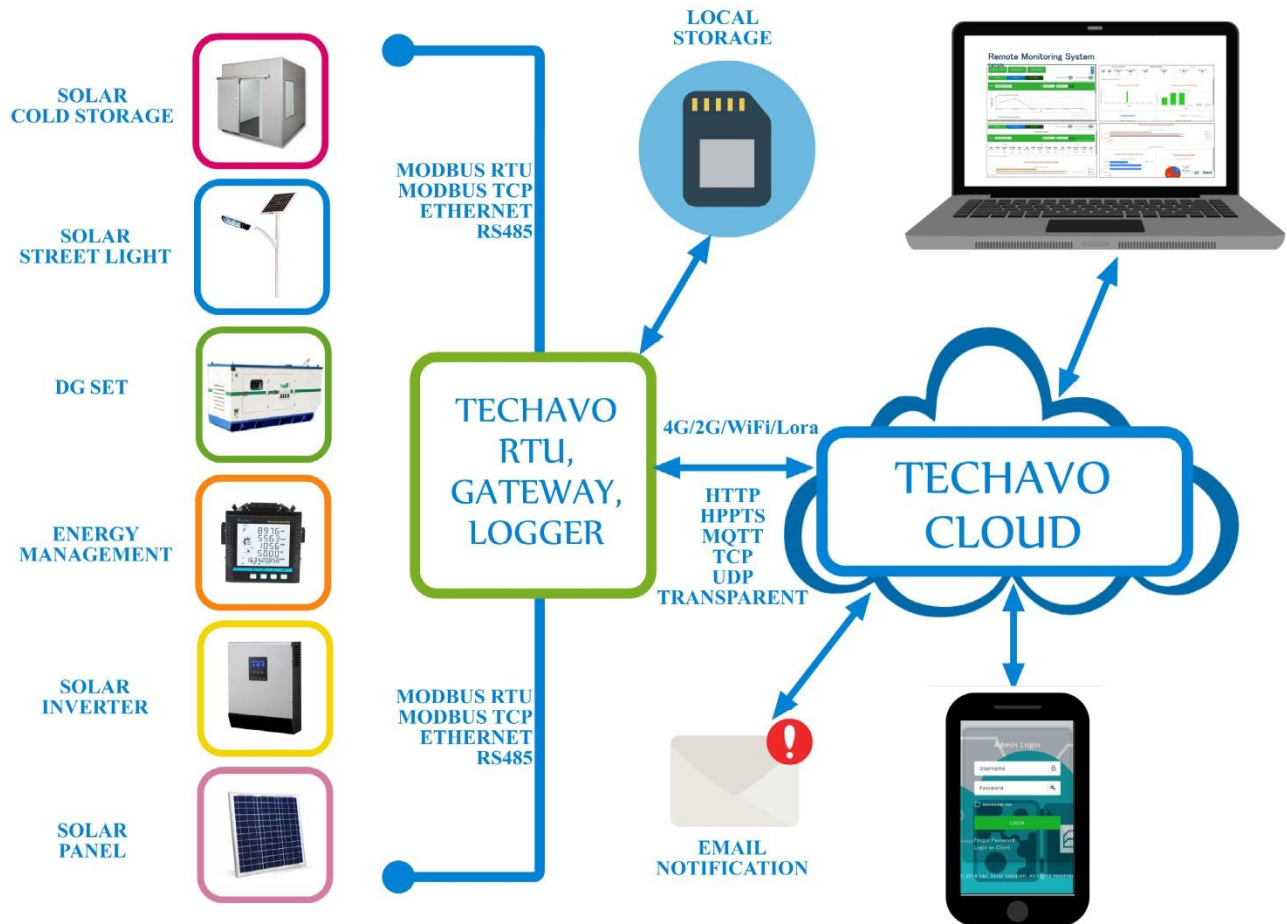
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## Area of Usage

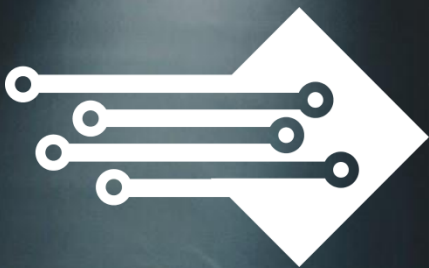
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## How It Works







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