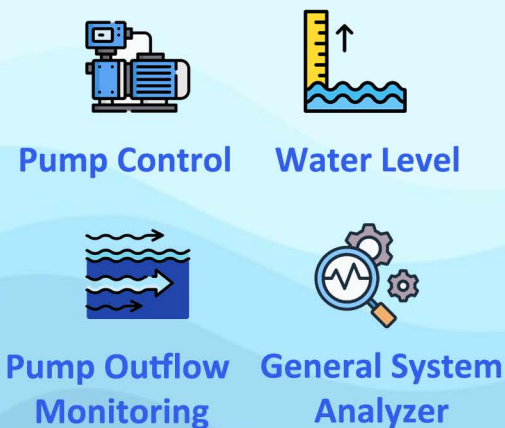


## WINSPlatform GT-SCADA A100

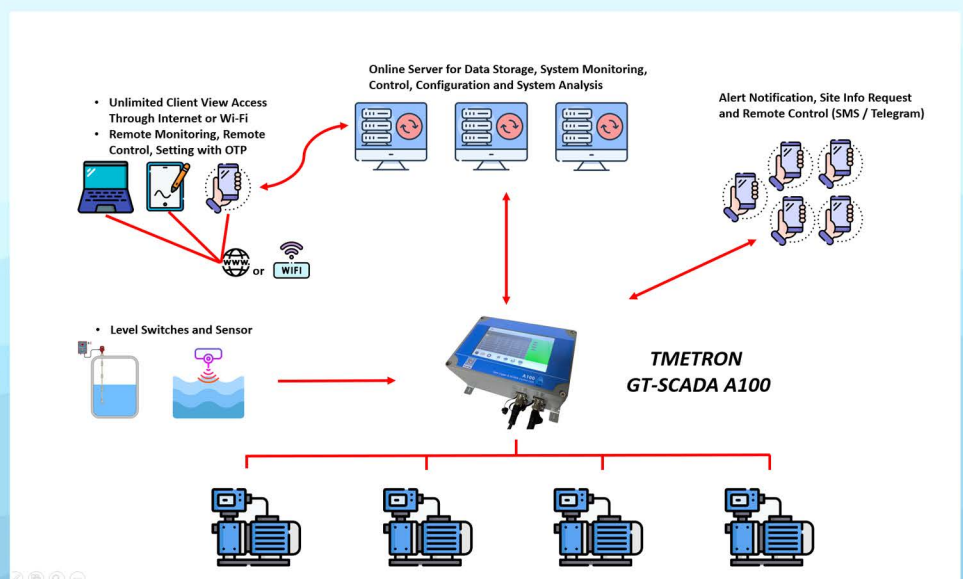
This compact Smart RTU series combines capabilities of remote terminal units with the power of Programmable Logic Controller with HMI, designed to run in complex engineering requirement, specifically in pump control.

A100 is optimized for Modbus TCP/IP and monitoring application in the most remote and challenging environment, this innovation provides smart controller platform solution with energy efficiency, space efficiency, cost efficiency and ruggedness in mind.

### Suitable Applications:



### Network Architecture:



# Specifications:

## General

Dimension	240(W) x 160(H) x 100(D) mm
Weight	Approx. 2 kg
Enclosure Material	Industrial grade Aluminium Alloy
Operating Temperature	-10 to 60 degree Celcius
Interface Display	Interactive 7" LCD Capacitive Multi-Color Touch screen
CPU Processor	Quad Core 64-bit Cortex A-55
Ingress Protection	IP65

## Power

Input Power Supply	24VDC
Consumption	5W in Standby Mode; 10W during data transfer
Compatibility	AC Power System & Solar Power System

## I/O Module

Digital Input	36 channels @24Vdc
Address Assignment	User Configurable
Digital Output	36 channels with open drain FET and logic output
Analog Input	Up to 8 input channels with opto Coupler (4-20mA or 0-10Vdc)
Calibration	2-points, full user control
Supported Type	3-wired input, 4-wired input, 2-wired input
Analog Output	Up to 4 channels @ 0-10Vdc and 4-20mA

## Other Ports

Serial Interfaces	RS485, RS232, SDI- 12
Serial Protocols	Modbus RTU, ASCII
Serial Channels	Up to 8 via optional module
Sensor Power Supply	350mA, 24V
USB	2 x USB type A
Network Interfaces	2 x RJ45 10/100 Ethernet port

## Data & Software

Data hosting	Cloud or on-premises
Cyber-security	TLS/SSL protocol, OTP features
Software integration	REST API
SCADA Integration	http, DNP3, FTP, csv, MySQL sync
IoT software platform	Web-based from any desktop, mobile and tablet.
Data export options	CSV, txt (Reports)
Data communication	Two-way authentication
Alert notification	SMS, Telegram & Email
Historical Data Storage	Minimum 2 years

## Storage

Device Memory	64GB eMMC flash memory with option to expand up to 256GB
RAM	4GB LPDDR4
Data Capacity	Approx 150,000 data points per megabyte

## Function

Application	Pump SCADA & Automation System, Pump Control System, Pump Monitoring System, Flow Monitoring, Water Level Monitoring, General Analyzer
Server Sync	Data sync up to 8 servers
Data Logging	Default 5 minutes time stamp
Data Retrieval	Web-Based via Remote IP or WiFi
Display Functions	Pump Mode, Pump Condition, Pump Status, Running Hours, Pump Alarm, Water Level, Flow Accumulator, System Status
NTP Protocol	RTC Auto Sync with NTP
Others	Built-in Wireless 2.4GHz & 5GHz IEEE 802.11b/g/n/ac

## Certifications



IEC 61000-6-2  
IEC 61000-6-4

