Waste water Lift station Plug & Play Plus Kit

Summary

A comprehensive cloud based monitoring and remote control systems designed for wastewater lift stations, and other related applications. The kit is simple to install and use. It is the best tool to simplify and unify the Remote monitoring & Control of all your lift stations in the network.

Applications

Remote monitoring and control of practically any wastewater lift station with 1 to 4 pumps.
The kit improve the management & operation of the lift stations.
The data is transferred via cellular network to RealiteQ cloud based SCADA, or to existing HMI or other software via OPC.


Remote control pumping (lift) station Kit
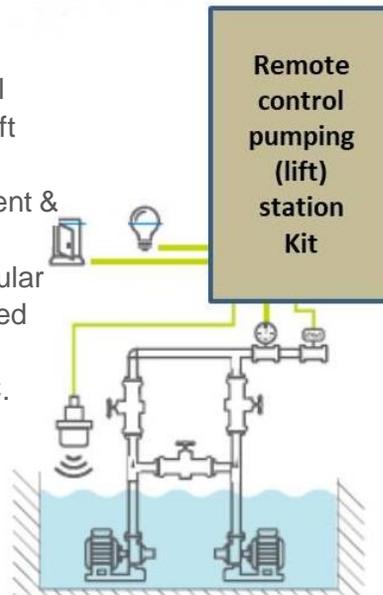
Features

- Fully operate pumping station
- Option to select 1 to 4 pumps operated.
- Lead – lag pump automatic reorder
- Interface to external PLC.
- Can be used as stand-alone kit or can be connected to the RealiteQ web based complete SCADA solution
- Integrate with 3rd Party software's (HMI, BI…)
- System status report in table and graphic forms.
- Alarming – via e-mail and SMS; Alarm history
- Real time & Historical data, trends,
- Battery backup for remote monitoring and alarms in case of power failure.
- Support standard protocols

Optional

- Can be set as "Monitoring only" Kit - usually for security reasons.
- Option for connecting rain meter.
- Choice of RS232/485/Ethernet ports for other uses
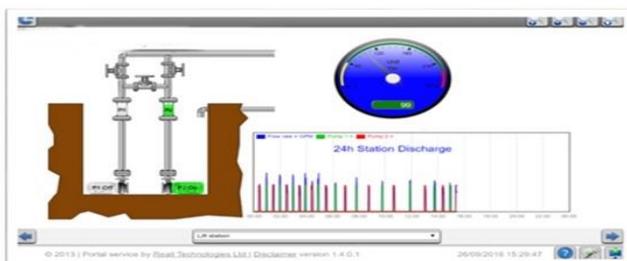
About Reali Technologies Ltd

An Israeli leader in Industrial IoT, Telemetry, Cloud control & SCADA for energy, water, wastewater, agricultural and industrial applications. The firm operates it's **RealiteQ** platform to allow global operation of remote & secured sites in real time.

RealiteQ Technology Platform

A Real Time remote Control full cloud technology; 4th generation SCADA; Single source for end-to-end remote control systems; Low CAPEX & OPEX; Simple to operate and maintain; integrative with managerial/operational/Bi existing solutions; Highly secured; No software installation required; Multi-platform & mobile support; Unlimited (No. of user & remote sites), So called Real Time communication.

CUSTOMER BENEFITS

- Low CAPEX & OPEX
- No need of dedicated infrastructure.
- Maintenance is not required.
- Unlimited users & remote sites.
- One Stop Shop.

Economical Model

- One time Payment for the kit (including SIM card)
- Yearly payment for SAAS (all included Package)

Web Security

RealiteQ provides highly secured Cloud based solution. Reliable Service – Multiple hosting (US projects are connected to Amazon). Most advanced Security procedures are able FOC to full service).

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Hi Tech Low Cost
RealiteQ™
New Generation of SCADA & Telemetry Solution

Digital Inputs

- 24 digital inputs; for fields dry contact, including pump run,
- pump O.L, low and high level flow switches, NVR indication,
- DC fault, door open, Bat low,
- Including 2 pulse inputs – for kWh and water total
- Optional – pulse input for rainfall meter

Optionally expand to more16 digital inputs.

Digital Outputs

- 8 digital outputs; for fields dry contact 5A, 0-240VAC/DC,
- including 4 pumps operation, and 2 free option (siren, light,…)

Analog Inputs

- 4 analog inputs 0/4 – 20 mA; 13 bits; for level and flow meters;

LED indicators

- Modem connected to cellular network
- Modem connected to Internet
- PLC communication status
- Server communication status
- iCEX power supply
- Status of each digital input
- Status of each digital output
- Analog inputs status (short circuit/open loop)

Cellular network

- Quad band 3G (850/900/1800/1900 MHz);
- SIM card interface (relevant SIM card and Data plan included)

Physical

- Enclosure HxWxD: 500 x300 x 200 mm
- Indoor or outdoor wall mount
- Protection level IP65

Power supply

- 100-240 V AC

iCEX
cellular & ethernet explorer

Ethernet — Analog inputs (4-20mA/ 0-5VDC)
Optional SD card
Power connector — Digital inputs/ outputs
Serial 232/ 485 — Counter inputs