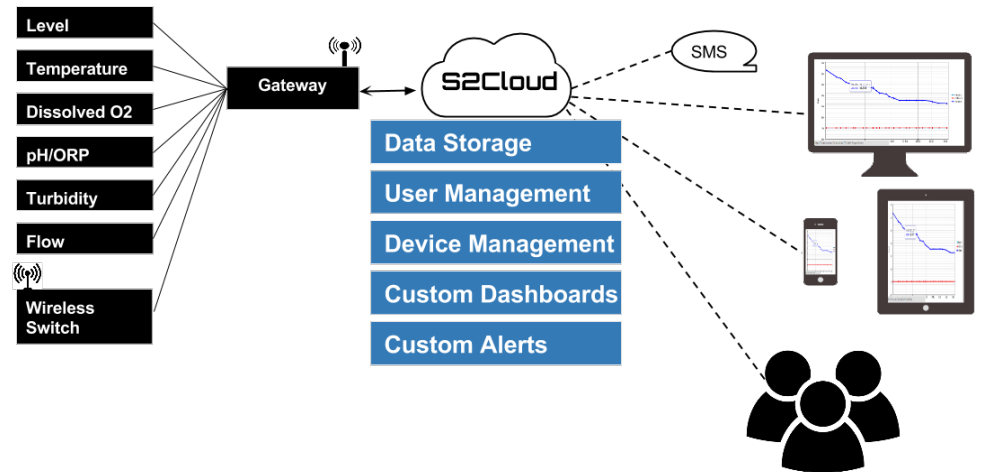


Water Quality Monitoring

Real time Water Quality Monitoring

Sensors2Cloud low cost water quality solution allows real-time monitoring of various sensors used in the water treatment process to measure water quality. Data is transmitted using cellular network. Data from all stations are visualized in a central web application.



Robust, Reliable Software

Sensors2cloud web application presents all stations in one map. Live data such as pH, water level, flowmeter readings, dissolved oxygen, turbidity, temperature, etc..., are visualized so that technicians can monitor quality in real-time.

Chemicals levels are also measured to allow the refill of the drums in a just-in-time process. In addition, analytics provide engineers with data required for optimizing operations.

Data collected from multiple stations is stored in the cloud for at least three months. Web dashboards can be customized to fit customer visualization and analytics requirements.

Gateway

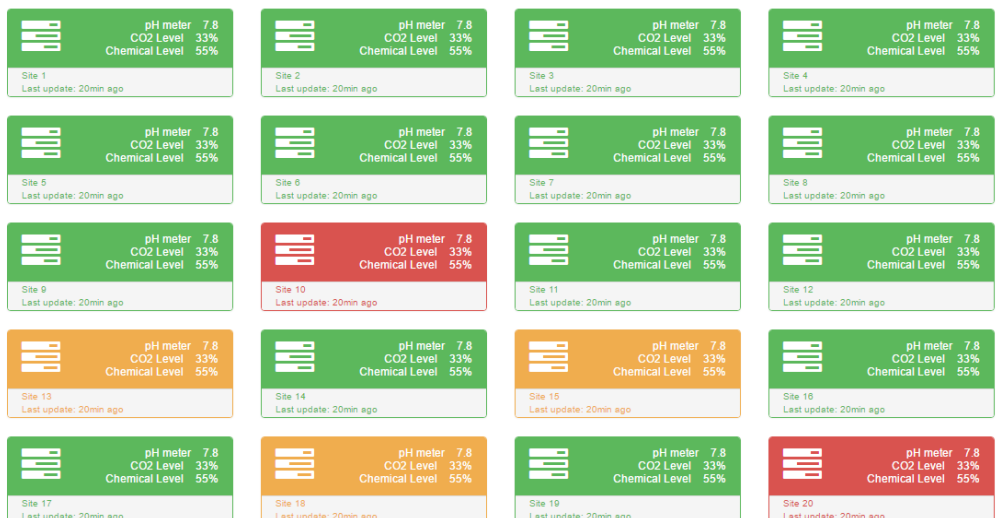
Connectivity:	Cellular/Wifi
Power:	Battery
Enclosure:	IP67
Safety:	Class 1 Div 2
GPS:	Enabled
Analog Inputs:	4
Pulse Input:	1

Alerts

High Alert:	Automatic
Low, Alert:	User settable
Critical Low:	User settable
Recipients:	Unlimited
Message:	Email and/or SMS

Dashboard

PC:	Web browser
Mobile :	iOS, Android
Historical:	3 months
Reports:	25 readings
Maps:	All stations, zoom
Logo:	Customizable
Assets:	Admin-defined



Data

pH:	Yes
Temperature:	Yes
GPS:	Optional
Battery:	Yes
Turbidity:	Yes
Dissolved O2:	Yes
FlowMeter:	Optional
Level:	Yes
ORP:	Optional

User Management

Accounts:	Unlimited
Access:	Unlimited
Dashboard:	Admin-defined

Installation

Wiring:	None
Time:	5 min
Tools:	depends on hardware

Training

Software:	Instructor, Web-based
Hardware:	Manufacturer Docs

Turbidity Specifications

Range	0-50 NTU and 0-1000 NTU
Accuracy	+/- 1% of full scale
Material	306 stainless steel, delrin, polyether
Cable	Sensor=25 ft standard

pH Specifications

Range	0-14
Accuracy	2% of full scale
Probe	Open Water: (3.2cm dia. x 25.4cm long)
Cable	Sensor=25 ft standard (optional to 500 ft)

Dissolved Oxygen Specifications

Range	0-8 ppm
Accuracy	+/-0.5% of full scale
Probe	Open Water: 3.2cm dia. x 27.9 cm long
Cable	Sensor=25 ft standard (optional to 500 ft)

Level Specifications

Range	7"-13'
Accuracy	2% of full scale
Beam	13 degrees
Cable	Sensor=10 ft standard

FlowMeter Specifications

Range	4" 12-1000 GPM (0.75-63 L/s) 6" 32-2400 GPM (2-151.4 L/s) 8" 60-4400 GPM (3.8-277.6 L/s) 10" 95-7000 GPM (6-441.6 L/s)
Accuracy	+1% from 10% to 100% of max flow +2% from cutoff to 10% of max flow