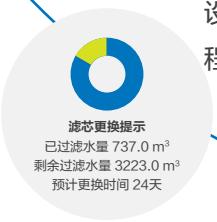
Smart Flow

智慧水处理云监控系统

产品描述

随时随地监控您的水处理设备和系统

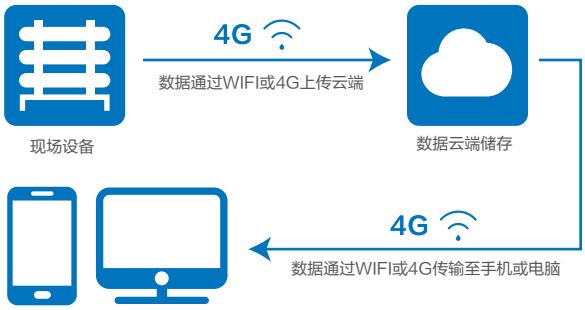
Smart Flow智慧水处理云监控系统可以帮助企业实现对水处理设备和系统的全方位，全时段，全地点，以及全阶层的集中监控。它能够通知运行人员SCHW或者其它厂商生产的水处理设备和系统的运行情况与偏差，帮助运行人员及时对设备和系统进行维护与维修。除此之外，Smart Flow智慧水处理云监控系统还可以提供可视化数据报告，方便管理人员获知水处理设备和系统运行费用，以便精细化管理，降低成本。同时减少信息传递过程中产生的误差，提高效率。



产品特征与优势

1、使用范围广泛，可以为多种水处理设备与系统提供专业监控服务
2、设备和系统即时运行数值显示，并生成可视化数据报告，通过手机或电脑随时随地监控
3、通过短信和邮件远程推送故障报警，设备和系统维护、耗材更换信息，以便及时维护
4、4G或WI-FI连接云端，稳定传输数据
5、多级权限密码设置，提高数据安全性
6、针对海外项目提供共同运营的平台
7、实现对分散设备和系统的统一管理，减少劳动成本

运行原理图



可选售后保养服务

- 24小时电话技术支持
- 上门紧急维修服务
- 每月维护保养服务报告

产品规格

参数	4G版	WIFI版
内存	128MB Flash + 128 MB DDR 3	
工作电压	DC24V，可工作范围DC9-28V	
联网方式	有线网络 / GPRS / 3G / 4G	有线网络 / WIFI
USB端口	1个USB Device 2.0 Type B端口，1个USB Host 2.0 Type A端口	
支持功能	支持实时数据监控，历史数据记录普通透传，VPN透传，边缘计算，API接口，远程控制升级固件，导入导出配置文件	
数据监控	500点	300点
报警条目*	200点	100点
历史条目**	100点	30点
历史数据保存时间	180天	90天

* 可设置报警的点数　** 可储存的历史点数

监控选项

过滤器	**反渗透系统**	**抛光处理产品**
再生次数	进/产水量与水质	（平均）日使用流量
再生后总处理水量	进水温度	电阻率及其他水质指标
过滤介质更换提醒	RO回收率与脱盐率	**废水处理**
自动阀门信号反馈	膜前后压差	水流量
软化器	**超滤系统**	出水水质
再生后使用时间	进/出水流量	**其他**
平均再生时长	自动阀门信号反馈	水压
剩余再生液	**EDI**	模拟量信号输入
再生液液位警报	产水水质与流量	干接点

***监控选项包括但不限于以上参数，另外4G版可扩充至500个点数，WIFI版可扩充至300个点数。**

Smart Flow Cloud Monitoring System

Product Description

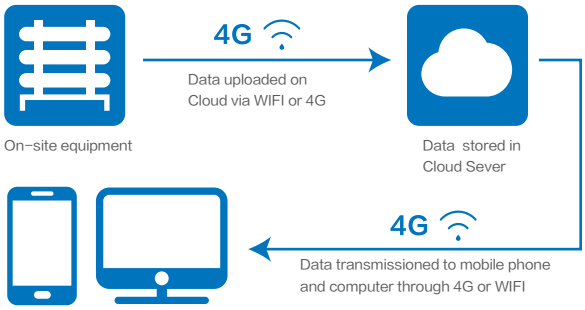
Manage your water 24/7，anywhere

Smart Flow Cloud Monitoring System can centralized monitoring water/waste-water treatment equipment and systems anytime, anywhere for anyone. Operators will be notified the issues of equipment and systems, which helps them to implement maintenance in time. Additionally, it can also provide visualized data report to facilitate managers to calculate the operation costs, so as to support Delicacy Management and reduce costs. Meanwhile, it reduces the errors during information transmission, which improves the efficiency.

Product Features and Advantages

1. Can be used on a wide variety of water/wastewater treatment equipment and systems.
2. Displaying real-time data of equipment operation, generating visualized data report, continuously monitoring through phone or computer anywhere, anytime.
3. Remote warning and maintenance notification through SMS or email to fix the issues timely.
4. 4G or WI-FI Connection to the Cloud, transmission data stably.
5. Multi-level authority and password to protect data security.
6. Acting as a co-operation platform for global projects.
7. Realizing the centralized management of distributed equipment to reduce the cost of labor.

Functional diagram



Optional services – after-sale maintenance service

- 24/7 technical support on phone
- On-site emergency service
- Monthly report for maintenance service

Specifications

Parameters	4G	WIFI
Memory	128MB Flash + 128 MB DDR 3	
Vdc	DC24V,available range:DC9-28V	
Network Method	Cable / GPRS / 3G / 4G	Cable / WIFI
USB	One USB Device 2.0 Type B port, one USB Host 2.0 Type A port	
Functions	Real-time data monitoring, historical data record，API interface, ordinary transmission, VPN transmission, edge computing, remote control and upgrade firmware, import and export configuration files	
Data Monitoring	500points	300points
Alarm entries *	200points	100points
Historical entries **	100points	30points
Storage time of historical data	180days	90days

*Points that can be set to alarm **Points that can be stored in history

Monitoring options*

Filters	RO systems	Polishing system
Regeneration cycle number	Feed/product water since new	(AVG) Daily usage volume
Total cubic meters or gallons since new	Feed water temperature	Resistivity and other water quality indicators
Filter medium replacement reminder	RO Recovery/Rejection	**WW solutions**
Auto valve signal feedback	Membrane pressure drop	Flow rates
Softeners	**Ultra-Filtration system**	Effluent water quality
Days since last generation	Total feed since new	**Others**
AVG number of days between regeneration	Auto valve signal feedback	Flow pressure
Volumes of brine remaining	**EDI**	Analog Voltage input signal
Brine level reminder	Flow rate and water quality	Dry contact inputs

***Options are included and not limited in above parameters; it can be up to 500 points for 4G version and 300 points for WIFI version.**