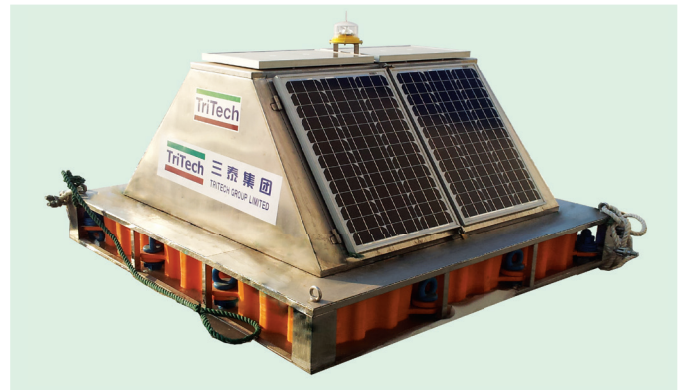


# TRITECH FLOATING WATER ANALYZER MP1800C-MOD



- Fully automated in-situ water quality monitoring
- Stable floatation platform with high buoyancy
- Wide range of parameter with emphasis on TN, TP and heavy metals
- Independently powered by solar with low power design
- Suitable at rivers or lakes

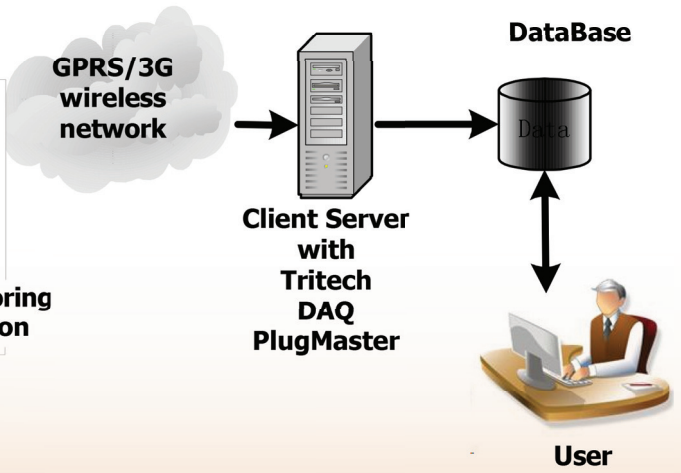
Tritech real-time monitoring station is a fully automated monitoring system, which automatically measures and transmits the data over the internet via GSM/GPRS/3G network.



To check the real-time data instantly, customer just need to install TriTech DAQ plugmaster software in any server that is linked to internet. Upon receiving the data, the software checks for error, verifies its validity, before proceeding to write into SQL database that is installed in the customer's server.

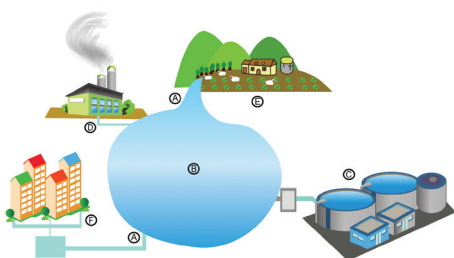


Monitoring Station



Customer can access the data any time in any of the electronic device, by connecting to the SQL database directly via standard SQL query. Data viewable includes real-time value of any parameter, system operating status like system voltage, data logger's health and etc. This great feature enables the customer to have in-time and in-depth information about the far-away monitoring station, without having the hassle to go down and download the data manually.

## Application



The floating water analyzer MP1800C-mod is best for:

Type B: Reservoir

Technical specification for standard parameters					
Parameter	Measuring Principle	Range	Accuracy	Resolution	Reference Standard
Temperature	Thermistor	-5° - 50°C	±0.1°C	0.01°C	HJ/T91-2002
Optical DO	Fluorescence	0 - 25 mg/L	±1% or ±0.02 mg/L	0.01mg/L	N/A
Conductivity	Graphite Electrode	0 - 100 mS/cm	±1%	4 digits	HJ/T91-2002
pH	Glass Electrode	0 - 14 units	±0.2 units	0.01units	GB6920-86
Turbidity	Optical 90° Nephelometric	0 - 3000 NTU	[0-100NTU]< 1%	0.1NTU	USEPA180.1 EN ISO 7071
			[100-400NTU]< 3%		
			[>400NTU]< 5%		
Depth	Pressure	0 - 10m	±0.01m	0.01m	GB/T15966-1995
		0 - 25m	±0.025m	0.01m	
		0 - 50m	±0.05m	0.01m	
		0 - 100m	±0.1m	0.01m	
		0 - 200m	±0.2m	0.01m	

Technical specification for option parameters (Package A)					
Parameter	Measuring Principle	Range	Accuracy	Resolution	Reference Standard
Total Nitrogen	alkaline potassium persulfate digestion - uv spectro photometric method	0 - 5 ppm	0.1 ppm	0.05 ppm	GB3838-2002

Technical specification for option parameters (Package B)					
Parameter	Measuring Principle	Range	Accuracy	Resolution	Reference Standard
Total Phosphorus	ammonium molybdate spectro photometric method	0 - 1 ppm	0.02 ppm	0.01 ppm	GB3838-2002

Technical specification for option parameters (Package C)					
Parameter	Measuring Principle	Range	Accuracy	Resolution	Reference Standard
Cr6+	Colorimetric	0 - 0.5 ppm	0.01 ppm	0.002 ppm	GB3838-2002
Nickel	Colorimetric	0 - 0.3 ppm	0.01 ppm	0.004 ppm	GB3838-2002
Cyanide	Colorimetric	0 - 0.3 ppm	0.01 ppm	0.004 ppm	GB3838-2002

Structure Parameters	
Dimension	1550mm*1550mm*973mm
Material	Stainless Steel, HMW-HDPE
Weight	130 kg
Buoyance	Add-on 150 kg
Structure Safety	Surface Wind Force < 6

System Parameters	
Power Source	Solar Power 240W
System Operating	14 days of continuous operation without sunlight
Operating Temperature	4°C ~ 40°C
Safety Indication	IALA standard marine light
System Safety	Real-time anti-theft alert
Communication	Wireless GSM/GPRS/3G network
Data format	HJ/212-2005, GB/T16706-1996

## Project Profile

<b>Project Name</b>	Design, supply, install and maintain online water quality monitoring station at ZHAO old canal, TianJin Ecocity
<b>Project Description</b>	1 Floating Platform Water Quality Monitoring System(pH, temperature, DO, conductivity, turbidity,COD, TOC, ammonium, nitrate)
<b>Customer</b>	Sino-Singapore TianJin Ecocity Environment Bureau
<b>Contract Period</b>	2012-12-10 - 2013-12-10