



Red Sea Eco Solutions & Instruments (P) Ltd.

In Association with

ASTROSCAN

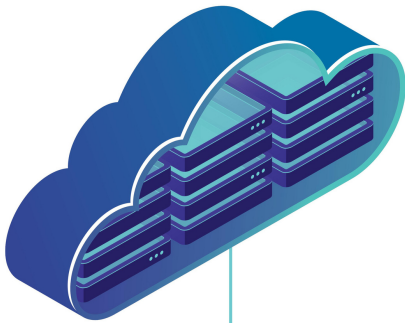


Greenvironment

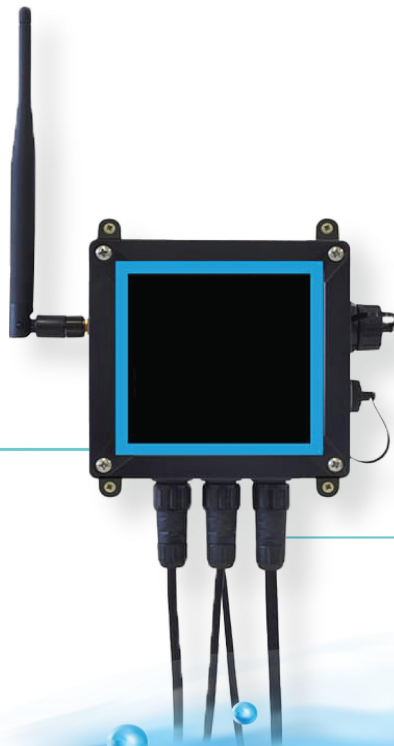
Innovation and Marketing India (P) Ltd

clean earth, safe life

**Easy data access
from anywhere via
cloud storage**



**Water treatment
data collection
through probe**



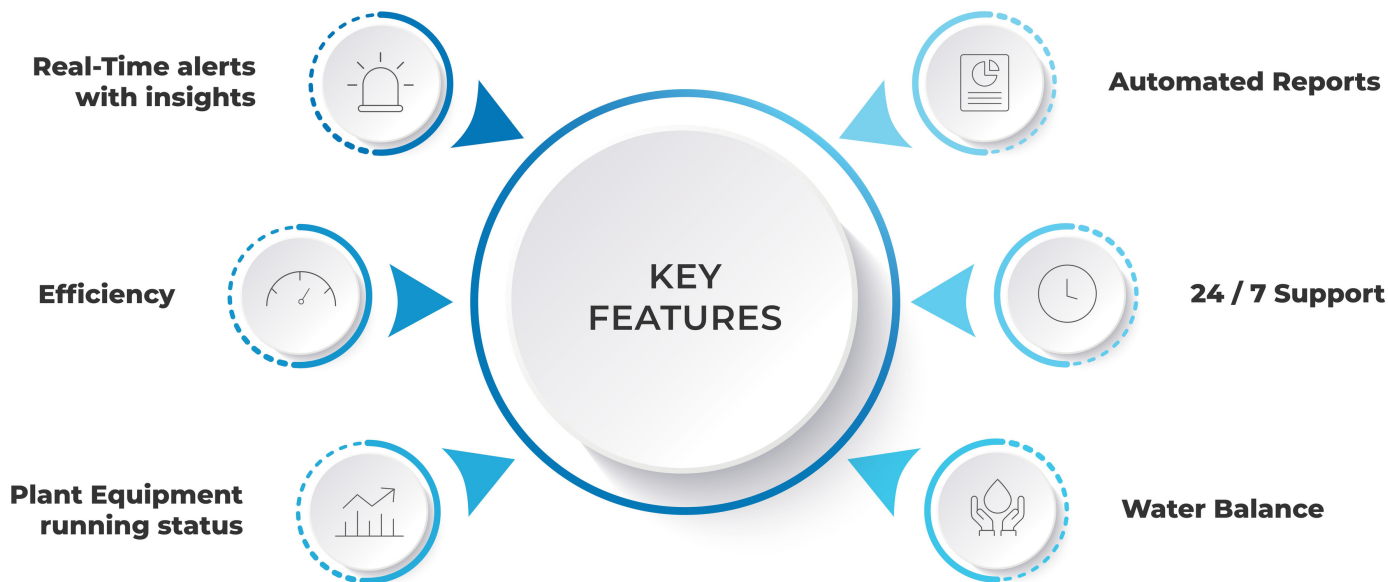
Supports solutions for compliance

RTM AstroSCAN Online Monitoring System for Sewage Treatment Plants

Suitable for residential communities, commercial & industrial buildings



Online monitoring system for water quality, quantity & plant performance



Get Regular Updates On:

- ▶ Plant performance
- ▶ Water quality
- ▶ Water quantity

Benefits:

- ▶ Enhance reuse of water
- ▶ Meet pollution control norms
- ▶ Reduce fresh water consumption and save water spend

RTM AstroSCAN Online Monitoring System for Sewage Treatment Plants

SYSTEM SPECIFICATION

WATER QUALITY	MEASURING RANGE
pH	0 to 14
Oxidation Reduction Potential (ORP)	-500 to +500 mV
Total Dissolved Solids (TDS)	0 to 10000 ppm
Conductivity	0 to 7000 mS/cm
Turbidity	0 to 100 ppm
Dissolved Oxygen	0 to 20 ppm
Nitrate	0 to 500 ppm
Total Suspended Solids (TSS)	0 to 100 ppm
Residual Chlorine	0 to 4 ppm
Biological Oxygen Demand (BOD eq)	0 to 100 ppm
Chemical Oxygen Demand (COD eq)	0 to 150 ppm



Water Quantity - Flow meters Inlet/Outlet

Energy Meter - STP Total Energy Consumption

Plant Status - Real time running hours of 4 pumps & 2 blowers

Tank Level - Hydrostatic Pressure Transmitter

Automated alarm based water sample analysis

1. Inline with self cleaning method

2. Sample extractive method

NOTE: For Sample extractive method - the sample must be drawn through a 0.75 HP centrifugal pump with little over pressure to maintain the sample supply continuously.

In case the sample is not available, the system will generate an automated alarm communicated to the cloud server. Frequency of sample can be set for 5 min/sample to 30 min/sample

▶ *Water/sewage parameters auditing*

▶ *Receprocal corrective action alert mechanism*

▶ *Sense of optimal usage of treating medium and enzymes*

▶ *Prevent punitive action from regulatory authorities*

Sensor Input	Sensor Ports	3 sensor ports, RS485 serial communication port
	Sensor Connection	Wired
	Sensor Interface	RS 485 serial communication
Connectivity	Cellular	Available Technologies - 2G, 4G
	SIM Card	Single SIM Slot
	Cellular Connection	IoT SIM Airtel & Vodafone(India)
	Data Transmission	Periodic, as per client requirement
	Antenna	External Antenna
Data & Software	Data hosting	Cloud
	Cyber-security	TLS 1.2 Protocol
	Software Integration	REST API
	IoT software platform	Web-based from desktop, tablet & mobile
	Greenvironment Mobile App	iOS, Android
	Data export options	PDF, CSV
	Device memory	Inbuilt SD Card
	Data Communication	Two-way Authentication
	Alert Notification	SMS, email, voice
	System health check	Included
Enclosure	Dimension	235 (H) X 260 (W) X 130 (D)
	Enclosure Material	MS Powder coated enclosure with ABS front panel
	Primary Power Supply	230V Single Phase
Power Supply	Other Options: Solar power, Battery	75 Watt Panel, 20 Ah

CONTACT US

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