



AIRLOGICS
AIR MONITORING SYSTEMS



SOLAR LITE



POWER OPTIONS:

SOLAR
110-line

**Real-time monitoring for particulate
fractions and total VOCs**

About AirLogics, LLC

AirLogics occupies a unique place in the environmental consulting and air monitoring sector. Our company was formed from a top-tier environmental consultancy that was trying to help a client manage their risk on a remediation site. In developing a solution to reduce their risk, an innovative and patented air monitoring system was born. From there, a company was built around that system. What evolved was a company that appears to be a rental equipment company, but functions like and has the sensibilities of a professional consulting firm, including the professional staff, expertise, and attention to solving our clients problems. We are proud of the position that AirLogics occupies in the environmental and air monitoring space.

The AirLogics Advantage

The primary advantages of AirLogics over traditional rental equipment providers are:



Professional Services

Our degreed and licensed professionals are scientists, engineers, and consultants with subject matter experience who can help you better achieve your site management goals. From planning to execution to post-mobilization reporting, AirLogics can assist you reduce your risk.



State-of-the-Art Industry Leader

Whether its developing our own systems or acquiring systems and sensors made by others, AirLogics is continually investing in state-of-the-art technology.



Real-time

Numerous stakeholders can benefit from actionable, real-time data. Real-time management of ambient air quality, rather than passive measurement and retrospective documentation, helps users immediately identify potential emissions and begin corrective action.

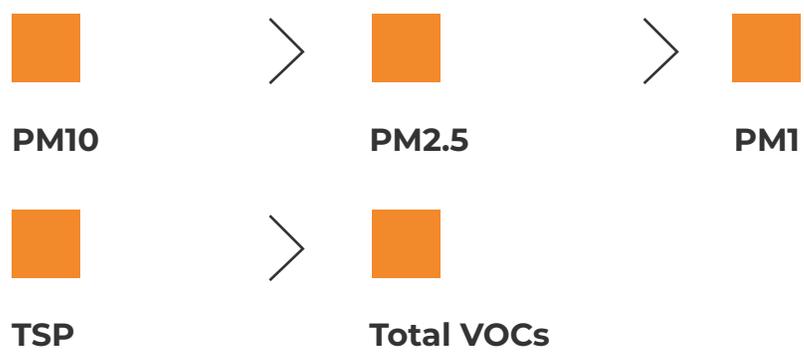


Designed for those who need to monitor and manage particulates and VOCs continuously and in real-time— at sites with or without electrical power. The SolarLite delivers defensible measurement of PM10, PM2.5, PM1, TSP, and total VOCs gases, simultaneously measured in one-minute intervals. Its solar lithium-ion powered system provides 24/7 power.

What is it?

- Patented technology developed by AirLogics
- A robust monitoring platform for measurement and compliance of targeted particulates as well as gases, with the option to integrate weather (wind, temperature, humidity, etc.)
- A flexible communications platform that transfers real-time data wirelessly and issues instant alerts through SMS messaging
- A web interface accessed via computer, displays data in one user-friendly place and automatically generates email / SMS alerts tailored to the site's parameters of concern, if a threshold is exceeded
- Runs 24/7 via solar-powered, lightweight lithium battery

What can it measure?



Here is list of sensors that can be added as a plugin and play to the Solar Lite monitoring system:

SYMBOL	Gas Type	SYMBOL	Gas Type
NH3	Ammonia	HF	Hydrogen Fluoride
CO2	Carbon Dioxide	H2S	Hydrogen Sulfide
CO	Carbon Monoxide	NO	Nitric Oxide
CL2	Chlorine	NO2	Nitrogen Dioxide
CLO2	Chlorine Dioxide	O2	Oxygen
C2H4O	Combustible Gas	O3	Ozone
LEL CG	Ethylene Oxide	PH3	Phosphine
F2	Flourine	SiH4	Silane
H2	Hydrogen	SO2	Sulfur Dioxide
HCL	Hydrogen Chloride	VOC	Volatile Organic Compounds
HCN	Hydrogen Cyanide		Refrigerants

Specifications

 Control System: GE Fanuc Ifix	1	 Communications: Motorola SCADA	2
 Data Logging: On board datalogging	3	 Averaging Periods 1min- 15min	4
 Power Requirements: Lithium battery (DC): 40 watts 110 in-line power (AC): 440 watts (simple or 3-phase)	5	 Environmental Operating Range: 0 deg F – 125 deg F	6
 Dimensions: 2 ft x 1 ft x 2.5 ft	7	 Weight: 50 lbs	8

SolarLite by AirLogics

Dust Meter	Sizes	Range	Accuracy	Resolution	Detectable Limit
DustTrak 8530	PM1/PM2.5/PM10/TSP	0.001 to 400mg/m	+5%	+0.1%	0.001mg/m ³

PID	Range	Resolution	Precision
Safeguard PID	0.01ppm – 30ppm	0.01ppm	<2%

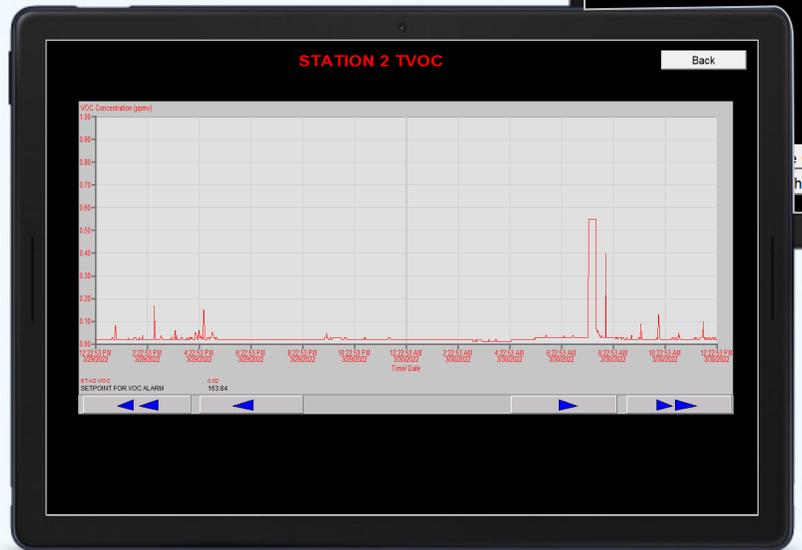


Data Access, Management & Visualization



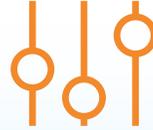
Compatible with
1,000's of different
monitor configurations

	Real Time [TVOC] (ppmv)	5 min TWA [TVOC] (ppmv)	10 min TWA [TVOC] (ppmv)	15 min TWA [TVOC] (ppmv)
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00

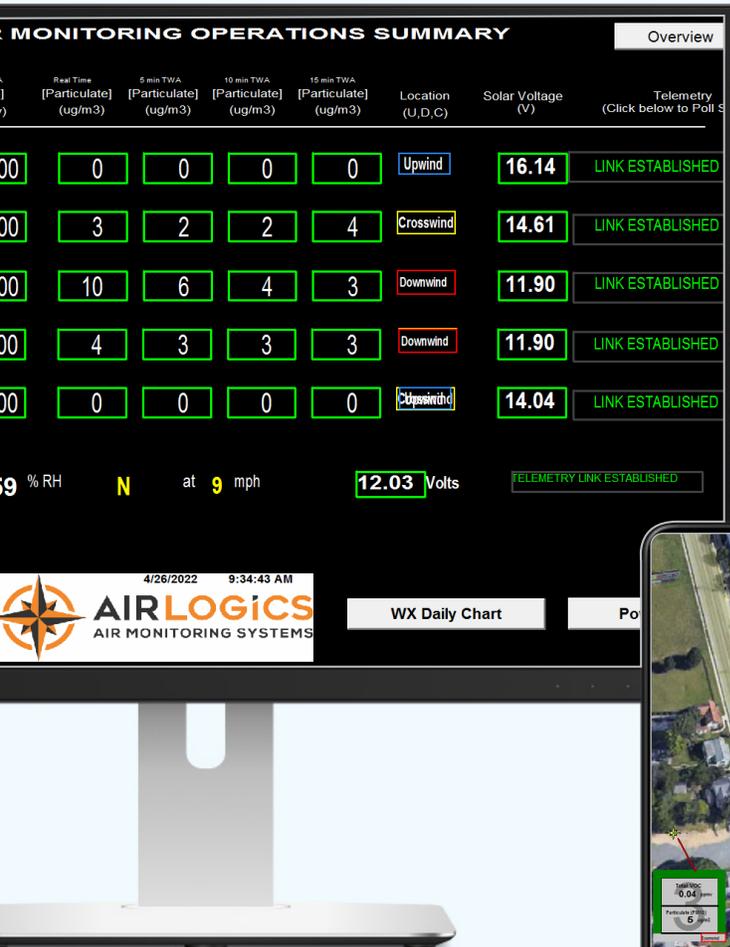


Get alerts via SMS / email
within **60 seconds** of an event

SolarLite by AirLogics



Our system processes over **6 million** datapoints per day



Customizable Data Visualizations



Achieve greater than **99% uptime**



AIRLOGICS

AIR MONITORING SYSTEMS

Need an air monitoring solution? Contact us today so we can discuss the specifics of your project.

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