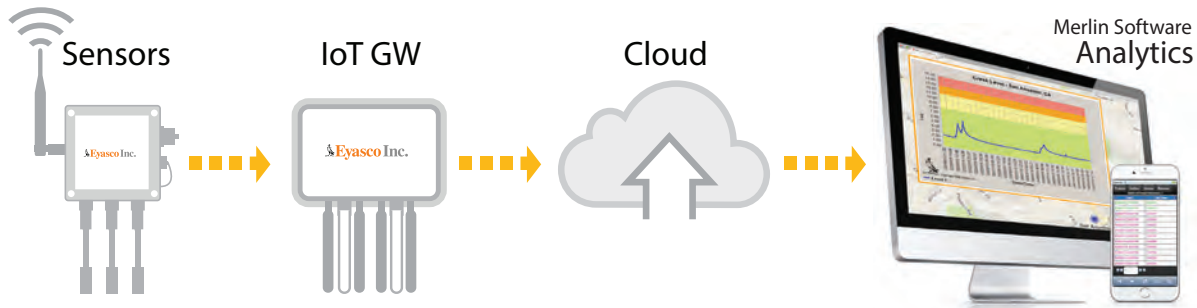


# IoT & Cloud Technology

## The Smart Revolution

The “Internet of Things” revolution promises to change the way we see and interact with the environment around us. Low cost sensors coupled with “Cloud Technology” make data acquisition and real-time analysis easier than ever. Sensor and data collection hardware can be installed quickly and inexpensively to gain insight into everything from your home, to transportation, environment, people, health and so on. This new tech spin will offer new, creative monitoring ideas.



Eyasco has developed an IoT solution that pairs hardware from Libelium ([www.libelium.com](http://www.libelium.com)) with Eyasco’s own Merlin software to provide a suite of “Smart” end-to-end monitoring solutions. These “vertical kits” include sensors, Internet gateways and cloud server data monitoring and analysis in a “plug-and-play” solution that can be set-up in minutes. We are excited to be able to augment our current line of hardened monitoring and control systems with these smaller footprint low power systems that can be deployed as pilot monitoring systems or integrated into longer-term permanent monitoring networks.

Eyasco has extensive experience designing and deploying water quality monitoring systems as well as environmental, structural and control applications. More recently, we have expanded our product catalog to offer DIY, plug-and-play kits intended for quick, low-cost options to monitor a number of parameters.

## Types of DIY, Plug-and-Play Monitoring Kits

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**Smart Water** IoT Vertical Kit for remote water quality monitoring (pH, Dissolved Oxygen, Conductivity, etc). Monitoring tap water, potable water, chemical leakage detection in streams, springs, rivers and reservoirs, corrosion and limescale deposit, tank monitoring and seawater pollution levels.
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**Smart Agriculture** Monitors environmental parameters in agriculture, vineyards, greenhouses or golf courses. Soil moisture and temperature, humidity, luminosity, leaf wetness and atmospheric pressure sensors to help control micro-climate conditions to maximize the production of vegetation in greenhouses and outdoor cultivation.
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**Smart Environment** IoT Vertical Kit monitors temperature and humidity, as well as measuring levels of CO and CO2. This kit can be used to monitor air pollution from automobiles and toxic gases generated in factories and farms (CO). These same gases can be monitored inside buildings and factories for safety.
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**Smart Air Quality** Allows real time monitoring air quality. It includes Smart Environment PRO Solution with gases calibrated sensors. For ambient monitoring it provides more accuracy in monitoring gas concentration levels and the amount of PM1, PM2.5 and PM10 dust particles allows cities and government agencies to meet international Air Quality Index (AQI) compliance values, and better advise the public of air quality and health risk.
- 
**Smart Factory** Real time monitoring of key environmental parameters in factories. The monitoring of these environmental parameters is crucial for remaining compliant with industry regulations, improving worker safety and increasing worker productivity. Some of the factors detected by the Smart Factory Solution Kit include: Noise level, Particle Matter, Temperature, humidity, pressure, CO2 and CO.

# DIY, Plug-and-Play, Vertical Monitoring Kits

## Smart Water



Starting at  
\$7,650\*

Item	Qty	Item	Qty
Meshlium 4G 868/900 AP	1	Conductivity Calibration Kit, K=1	1
Plug & Sense! SW 868/900-PRO 5dBi	2	Conductivity Calibration Kit, K=10	1
Conductivity Sensor Probe	2	ORP Calibration Solution	1
pH sensor	2	pH Calibration Kit	1
Oxidation Reduction Potential sensor	2	DO Calibration Solution	1
Dissolved Oxygen sensor	2	Outdoors USB cable	2
Soil/Water temperature (Pt-1000)	2	International adapter	3
Conductivity Calibration Kit, K=0,1	1	External solar panel 7V - 500mA (power accessory)	2

## Smart Agriculture



Starting at  
\$6,105\*

Item	Qty	Item	Qty
Meshlium 4G 868/900 AP	1	Soil temperature (DS18B20) Probe	1
Plug & Sense! SA-PRO 868/900-PRO	1	WS-3000 (anemometer + wind vane + pluviometer)	1
Plug & Sense! SA 868/900-PRO 5dBi	1	Leaf wetness probe	2
Temp, Humidity and Pressure probe	2	Solar radiation probe	1
Soil moisture 4,5 m probe	2	Outdoors USB cable	2
Soil moisture 1,5 probe	1	International adapter	3
Soil/Water temperature (Pt-1000)	1	External solar panel 7V - 500mA (power accessory)	2

## Smart Environment



Starting at  
\$6,550\*

Item	Qty	Item	Qty
Meshlium 4G 868/900 AP EU	1	Calibrated Carbon Monoxide (CO) gas Sensor Probe	1
Plug & Sense! SE-PRO 868/900-PRO	1	Carbon Dioxide (CO2) [Calibrated] Probe probe	1
Plug & Sense! SA 868/900-PRO 5dBi	1	Outdoors USB cable	2
Temperature, humidity and pressure	1	International adapter	3
WS-3000 (anemometer + wind vane + pluviometer) probe pluviometer) probe	1	External solar panel 7V - 500mA (power accessory for P&S!)	2

## Smart Air Quality



Starting at  
\$10,150\*

Item	Qty	Item	Qty
Meshlium 4G 802.15.4 AP	1	Ozone (O3) [Calibrated] Probe	1
Plug & Sense! SE-PRO 802.15.4-PRO	2	Sulfur Dioxide (SO2) [Calibrated] (High Accuracy)	1
Temperature, Humidity and Pressure	2	Particle Matter (PM1 / PM2.5 / PM10) – Dust Probe	1
Carbon Dioxide (CO2) Probe	1	Outdoors USB cable	2
Calibrated Methane (CH4) and combustible gases Sensor Probe	1	International adapter	3
Carbon Monoxide (CO) [Calibrated]	1	External solar panel 7V - 500mA (power accessory)	2
Nitric Dioxide (NO2) [Calibrated] (High Accuracy) Probe	1		

## Smart Factory



Starting at  
\$4,800\*

Item	Qty	Item	Qty
Meshlium 4G 802.15.4 AP	1	Calibrated Carbon Monoxide (CO) gas Sensor Probe	1
Plug & Sense! SCP 802.15.4-PRO	1	Calibrated Carbon Dioxide (CO2) gas Sensor Probe	1
Noise / Sound Level Sensor	1	Outdoors USB cable	1
Temperature, Humidity and Pressure	1	International adapter	2
Particle Matter (PM1 / PM2.5 / PM10) - Dust Probe	1	External solar panel 7V - 500mA (power accessory for P&S!)	1

\*Prices may vary due to exchange rates.

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