Sensors, solar and communications hardware.

Smarter Ag monitoring systems are designed to improve crop and crop cycles.

SMARTER AG
Indoor, Outdoor Monitoring Systems

Eyasco, Inc. designs and installs Smarter Ag monitoring systems to accurately gather quality data for indoor and outdoor agriculture. Our systems offer quality data to assist in determining optimum growth parameters such as water, air and soil quality, as well as luminosity (light), and plant and soil data. Knowledge of these parameters in real-time as well as historical data can determine the optimum growth spectrum for productive cultivation.

The power of this data gives you the inside track to optimize production, determine real costs, and implement effective steps to improve efficiency and avoid loss. Data can also be analyzed over multiple crop cycles to identify the optimum parameters of chemistry, light, temperature, humidity and time. This knowledge applied to the cultivation processes formulates better quality crops, yields and better business - Smarter Ag!

Crop and Condition Analytics

Smarter Ag employs powerful software that gathers data from the field system to generate alarms, charts and reports in real-time. You can see the analytics from the field on your device in various charts, graphs, alarms, and historical data.
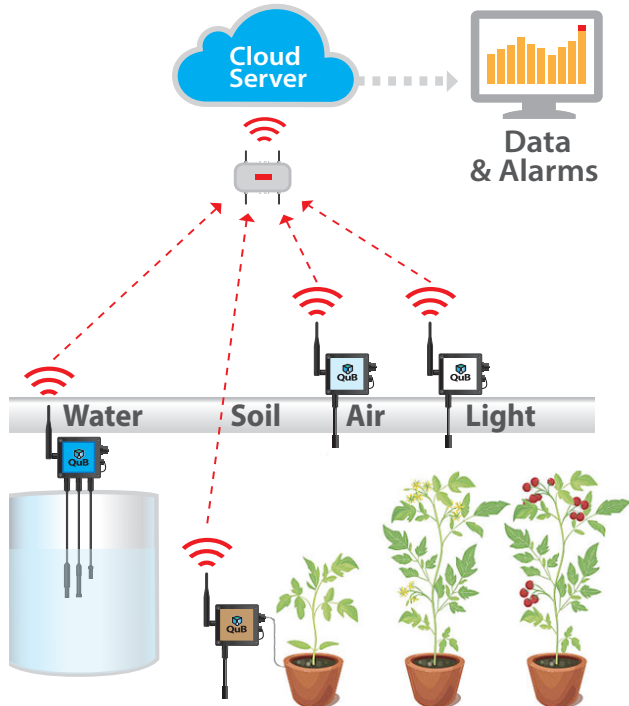
Water Monitoring - Delivers data about pH, salinity, ion levels such as calcium (Ca2+), nitrate (NO3-) or Chloride (Cl-). Other parameters such as water levels, flow, turbidity temperature, etc. can be implemented if needed.

Soil and Plant Monitoring - Sensors on and around plants provide information regarding moisture levels, temperature and even leaf wetness and stem diameter data.

Air and Light Quality - Delivering data for temperature, humidity, methane (CH4) O2 and CO2 levels. Light (Luminosity) monitoring provides data about light spectrum radiation.
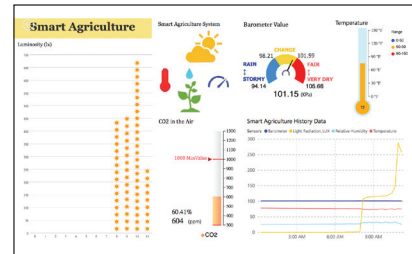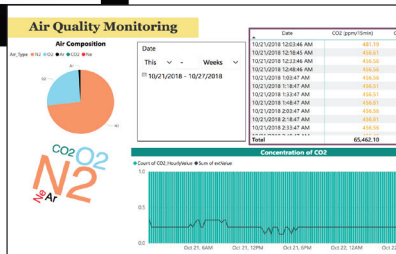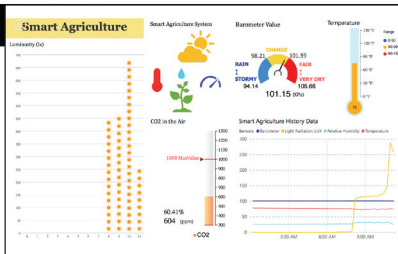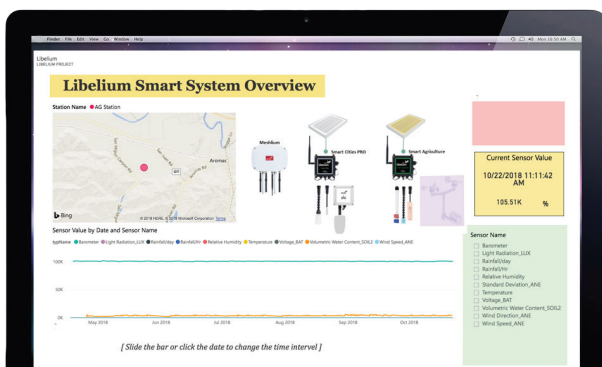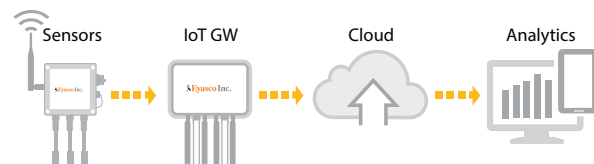
Indoor and Outdoor Smarter Ag Data Systems

Smarter Ag systems monitor important growth parameters.

Eyasco systems can communicate using any wireless technology leveraging the IoT network in the office or warehouse for real-time web access. Encrypted data is transferred data securely using satellite, radio, cellular or a combination of these methods to cloud data servers. Eyasco software then accesses the data, converts it into easy to understand analytics shown on your device from a web-based interface. Critical aspects of data can be prioritized with alarm triggers and reports can be automated and e-mailed for instant enlightenment. Smarter Ag always utilizes communications and storage that are safe and secure.

Sensors   IoT GW   Cloud   Analytics

Eyasco offers detailed data for greenhouse and outdoor farming. Know the detailed conditions for smarter cultivation.