


# Multi-Media Monitoring



**Improve energy efficiency and productivity by gaining real-time utility and resource insights**

## Challenges

### Energy efficiency and sustainability

You need to minimize the environmental impact of your operation, improve energy efficiency and meet regulatory targets as part of a larger net-zero strategy. Analyzing utilities, such as water, air, gas, electricity and steam (WAGES) enable you to make performance improvements.

**CAN YOU  
MAKE  
INFORMED  
DECISIONS  
TO OPTIMIZE UTILITY  
RESOURCE USE?**



### Productivity

Increasing overall equipment effectiveness (OEE) and the productivity of workers relies on improved access and visibility to real-time information that allows you to gauge efficiency, optimize productivity and reduce downtime.

**IS MACHINE  
AVAILABILITY  
AND PERFORMANCE  
LIMITING YOUR PLANT  
PRODUCTIVITY?**



# Monitor production and utilities from the Floor to Cloud

Multi-media monitoring solutions from Emerson can help you increase production efficiency and optimize energy and utilities usage. Using open protocol communications to connect to a broad range of advanced instruments and sensors, edge controllers with integrated analytics can aggregate and visualize data to enable monitoring, analysis and trending of compressed air, gas, water, steam and energy consumption. With Emerson's Floor to Cloud™ approach you gain immediate access to actionable insights, to enable you to maximize the efficiency, throughput and sustainability of your operations.

## Software

### Movicon™ HMI/SCADA Software

Innovative and flexible software solutions providing visibility and analytics into your plant's productivity and energy consumption.



### PACEdge Industrial Edge Software

Analyze and solve problems where they occur – at the machine edge.



## Hardware

### PACSystems™ Edge Devices and Computing

Edge computing to harness data from any source and deliver real-time insights and machine learning that is immediately accessible to operators.



### PACSystems Programmable Automation Controllers

Next generation controllers that enable you to analyze and optimize operations.



### HMI QuickPanel+

Operator interface that offers high-performance control, visualization and data historian capabilities.



## Devices & Sensors

### ASCO™ Pressure Operated Piston Valves

Pressure-operated, direct acting angle-body piston valves built to control a variety of media in demanding applications.



### AVENTICS™ Flow Sensors

Sensors for monitoring air consumption in pneumatic systems, enabling rapid leakage intervention, downtime reduction, and optimized energy consumption.



### AVENTICS Fieldbus Electronics with integrated OPC UA

IIoT-enabled fieldbus electronics ensure a future-proof solution for your electronic and pneumatic systems, including I/O link for specified options.



### AVENTICS Pressure Sensors

An electronic pressure sensor that combines electronic precision, simplified navigation, and versatile functions with ideal user friendliness.



### AVENTICS Valve Systems

Valve systems with the adaptability and quality to meet the most demanding functionality and connectivity requirements.



### PACSystems Power Measurement Module

Power measurement module can measure and process all relevant measurements of one or three phase current consumers.



For more information: [www.Emerson.com/Sustainable-Automation](http://www.Emerson.com/Sustainable-Automation)

