



PowerLogic Clears Up Opacity Monitoring Dilemma

A large production facility in the mid-west is required by the Environmental Protection Agency (EPA) to monitor the emissions of their stacks. Historically, the plant found that it has been quite costly to use an opacity sensor connected to a SCADA system or Unix box and it did not provide the reliability required by EPA.

They looked to Schneider Electric's local Square D® team for a solution, which revealed that the PowerLogic system is capable of monitoring gas emissions, meeting the data acquisition requirements and could be retrofit for substantially less than the previous SCADA solution!

Upon completion, the PowerLogic system will sample and record analog inputs at the agreed upon sample rate, detect alarms and send emails to the Environmental Engineer and appropriate staff if the opacity is less than the setpoint for over three minutes in any thirty minute window. Additionally, the meter will record and store several months of values in the meter's onboard memory and two years of historical trending will be stored in the software's database.



The functional requirements were demonstrated during the proof of concept. Immediately following, the plant's Environmental Engineer could easily justify, approve, and purchase the necessary PowerLogic Series 4000 Circuit Monitor, System Manager Software DL, and WAGES (water, air, gas, electric, steam) integration engineering services. And talk about clear-cut, from demonstration to receipt of purchase order, only took one week!