

API-Cecom Group *n'fo*

Technical & Application Notes

Application: Monitoring power usage on pumps
Type Of company: Public Utility
Location: Missouri

Problem: The customer is treating water for human consumption. Water purification is the process of removing undesirable chemicals, materials, and biological contaminants from raw water. The water is treated and tested per the Environmental Protection Agency regulations.

Note: For additional information on water treatment see http://en.wikipedia.org/wiki/Water_purification

After the treatment process they use several 480 VAC 250 horsepower (HP) pumps to send the water out to the municipal distribution system. The customer has a requirement to monitor power usage and efficiency on these pumps and integrate this information into the Foxboro plant control system.

Solution: The customer purchased an A230S. The A230S allows them to upgrade their system by installing a cost effective power monitor during the monthly maintenance shutdown. They also have the ability to add a communication module (EMMOD202) at a later date to fully integrate the energy information into their Foxboro plant control system which will allow them to reduce operating costs.



Benefits of API's solution:

- Accurate monitoring of energy usage
- Very cost effective
- Use a standard product
- Upgradeable

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