Energenecs Installs Massive 400hp Well Controls with Step Up Transformer from 480V to 2300V!

The Village of North Aurora needed water. Fast. In October 2019 they determined they needed two new wells operational by the spring of 2020. The engineers sized these 800-1000 feet wells to be 400hp at 2300 volts. A typical well could be anywhere from 10-15hp to maybe 100-150hp. 400hp is gigantic! To reduce the wire size, they designed the pump and motor for medium voltage 2300 volts, so the motor 800 feet underground operates at 2300 volts. Energenecs was the sole source supplier that provided prefabricated control buildings for the deep wells, ahead of schedule! Read more at **energenecs.com/400hp**

70% Energy Savings with New AD Process

In 2018, the City of Benton, Illinois, constructed a new wastewater treatment facility to provide improved treatment that meets nutrient removal requirements. EnviroMix's BioCycle-D optimized aerobic digestion process was selected as an integral part of the new design because of the significant energy savings and improved sludge digestion through automated process control. The Benton facility is experiencing over 70% energy savings versus a conventional diffused air mixing system. Read more at **energenecs.com/biocycle**

WWTP Seeks to Optimize Polymer System

Fort Atkinson WWTP had an existing polymer system, but the operators sensed it required too much polymer. They began using the Polyblend M-Series in fall 2019 and were able to decrease polymer usage by 25-30% compared to the original system and enabled the dewatering equipment to operate more efficiently. Previously, the plant averaged about 35 gallons of emulsion polymer usage per day with the old system. The Polyblend system averaged about 25 gallons per day. The City projects an annual savings of $20,000 which is above the goal they had hoped to achieve. Read more at **energenecs.com/atkinson**

Welcome Tracey Molter to the Team!

Tracey recently joined the Energenecs team as the Inventory and Purchasing Coordinator. Energenecs has nearly 50 partners that provide water/wastewater process equipment and control systems. With such a large and diverse offering, the Energenecs team relies on Tracey to coordinate aspects of the inventory and the warehouse.

Read more at energenecs.com/news

Meet Nate Wolfe

SCADA Technician

Nate (future SCADA tech) with his uncle

A Supervisory Control and Data Acquisition technician is responsible for making all the varied parts and pieces of a system work together as one cohesive unit. This includes working on the measurement devices, remote controllers spread around a town, control wiring, communication equipment, and various computer software applications. Nate has been creating systems since 2003.

Nate worked as an electrician all through high school and college during the summers in the family business. After receiving his mechanical engineering degree from UW-Madison, he was encouraged by his uncle (shown in photo) to consider SCADA. His uncle worked for Kamp Synergy, a small controls company, and he thought with Nate's electrical and engineering background it would be a good fit for him. Nate started working with Kamp in 2003, then in 2013, Energenecs acquired Kamp.

Nate's thinks one of the best parts about being a SCADA tech is friendships with customers. He says

> "They are all great people to work with! I also like creating things, I think that's why I wanted to be an engineer. I like to make a system that is easy to use, and something I can be proud of. With each system I do, I try to improve one or two things, I'm always trying to make it better!"

Energenecs field service technicians are also key to maintaining and troubleshooting systems, so Nate can work on things remotely while they do physical things on site. Read more at **energenecs.com/wolfe**