



INDUSTRIAL
FLOW
SOLUTIONS™

CASE STUDY
DERAGGER®

Sheridan, AR, USA

Eliminating Pump Ragging and Belt Failures: The DERAGGER® Solution for Belt-Drive Pumps in Arkansas



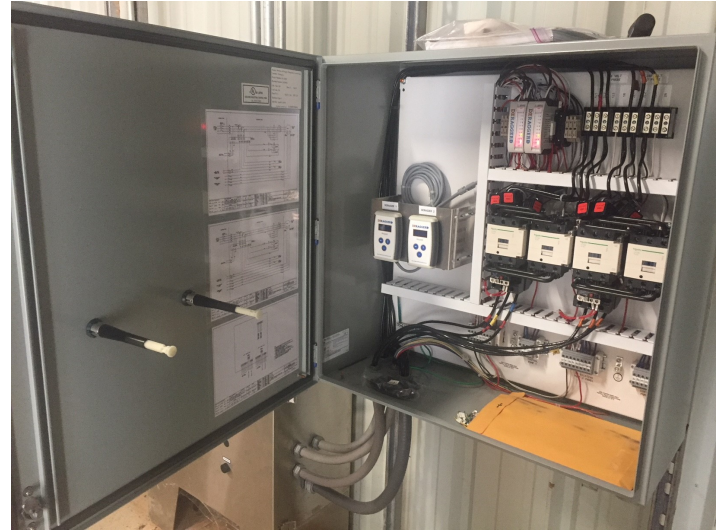
Problem

In the city of Sheridan, Arkansas, a number of belt-drive pumps were used to serve a population of nearly 5,000 residents.

Due to **frequent clogging** and "ragging" of these pumps, the belts were **constantly wearing out** and required **regular replacements**—often multiple times a month.

Prior to the introduction of the DERAGGER® system, a set of new belts would only last about three days before needing replacement. This led to a significant **increase in workload** for the maintenance team, along with **higher costs** for both labor and the necessary parts.

"We were replacing belts on our pumps two or three times per month. They were burning out from the pumps getting ragged up, and in the months since we put in the DERAGGER®, we haven't had to replace one belt." - Dennis Rogers, Sheridan Wastewater



Solution

The installation of DERAGGER+™ devices on these pumps, equipped with **Real Time Pump Protection™**, effectively **prevented ragging** and ensured the pumps remained clear and operational.

The results were immediate—**ragging was completely eliminated**, and, most importantly, the team no longer had to deal with the constant replacement of burnt-out belts. This not only streamlined operations but also significantly **reduced maintenance** efforts.



DERAGGER®



DERAGGERLite™
Anti-ragging device
Prevents pump clogs



DERAGGER+™
Real Time Pump Protection™



PowerMonitor™
Power analyzer &
data logger

MONITOR			
SCADA Ready		●	●
Data Logging <i>(20 years at 5s intervals)</i>		●	●
Derived Flow		●	
PROTECT			
Anti-ragging	●	●	
Motor Saver	●	●	●
Dry Run Protection		●	●
CONTROL			
0 - 1000+ HP	●	●	●
VFD Compatible	●	●	●
Wet Well Clean		●	
Odor Control		●	
PRO Compatible		●	●

The DERAGGER® is a leading product in the municipal industry, designed to eliminate ragging and clogging issues in pump stations. It offers real-time detection of early rags and clogs, providing intelligent data monitoring and analytics tailored to specific applications.

Key features include:

- Real-time monitoring of dynamic torque waveform to prevent pump clogging.
- High-resolution power analyzer for remote insight into pump station operations.
- Cost savings in time and maintenance through streamlined applications.
- Modular approach ensures compatibility without redesigning control panels.



Controls up to 16 pumps
10" - 32" IP65 anti-scratch screen

DERAGGERPro™
Paired with DERAGGER+™
or PowerMonitor™, simplifies pump
station controlling and spreads
intelligence across three devices
for system redundancy.



ADVANCED KEYPAD
TCP/Ethernet Connectivity, built-in LTE
available, LORA radio, start/stop function.



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