



SMARTGUARD®



Ultimate Protection

The SmartGuard Collector Monitoring System identifies flight misalignment and sprocket motion loss to prevent system damage.



Advantages:

Prevents system failure

Protects against costly system failures that can be caused by irregular sludge loadings, flight misalignment, concrete movement, and foreign objects dropped into the clarifier.

Early detection

Identifies system overloads that cannot be detected by traditional shear-pin or torque monitoring devices.

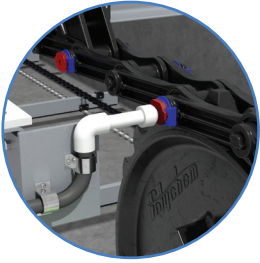
Strategic placement

Precise positioning, at the head shaft for flight misalignment and at the lower-rear idlers for motion monitoring, provides system protection against equipment damage.



SmartGuard® Collector Monitoring System

The SmartGuard Collector Monitoring System for rectangular clarifiers identifies collector system overloads that cannot be detected by traditional shear-pin or torque monitoring devices. SmartGuard's strategic placement allows it to monitor regular motion, warn of potential danger, and shut down the system before damage can occur. This cost-effective, early detection approach helps water and wastewater plants to avoid costly system failures by controlling up to four mechanisms, including longitudinal collectors, cross collectors, and screw conveyors.



CHAINCHECK PIN & FLIGHT MONITORING SYSTEM

As flights pass over the head shaft, pins with magnets at each flight attachment pass sensors, sending signals to the control panel for data monitoring.

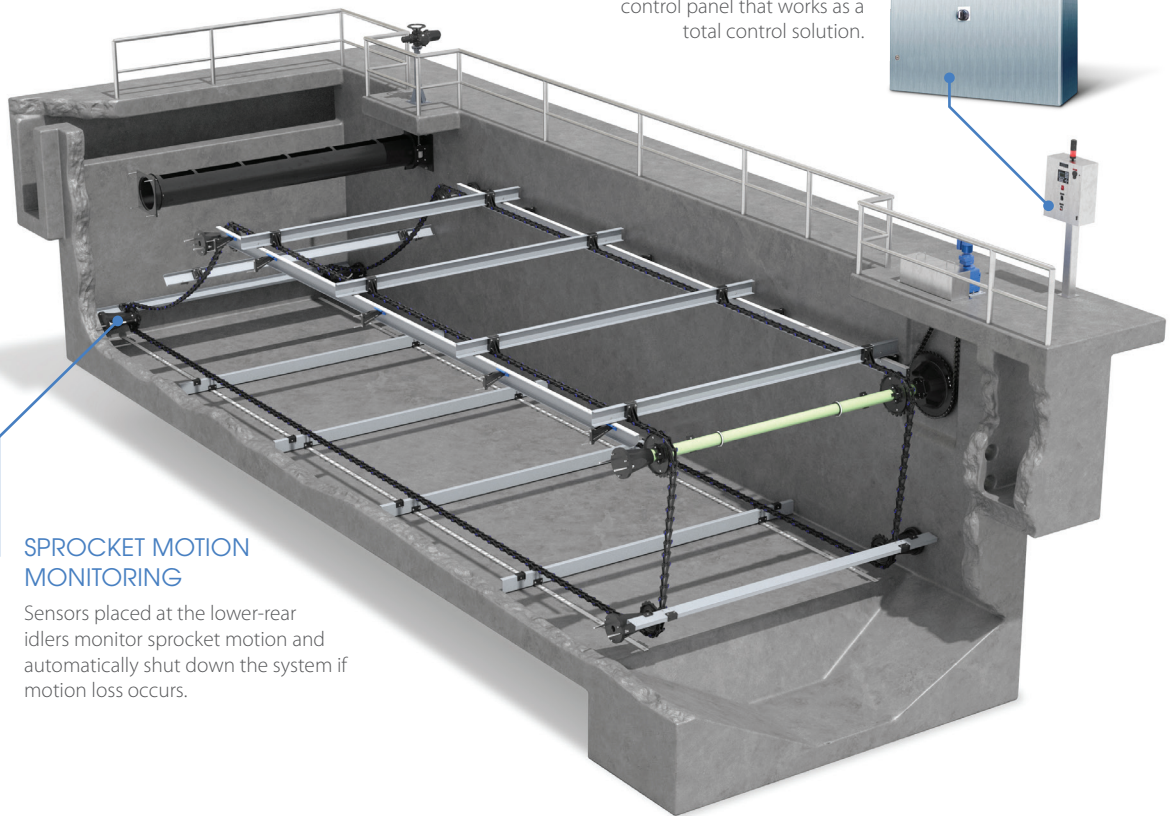
CONTROL PANEL

Monitor up to four mechanisms with the optional control panel that works as a total control solution.



SPROCKET MOTION MONITORING

Sensors placed at the lower-rear idlers monitor sprocket motion and automatically shut down the system if motion loss occurs.



Why Brentwood?

At Brentwood, it's our job to make sure that you get maximum treatment performance out of the fully integrated clarification systems we supply. With a comprehensive knowledge of water and wastewater treatment processes and an in-depth understanding of diverse applications, Brentwood's process engineers are capable of evaluating your plant's current process, effluent limits, and site-specific goals to provide products and solutions for efficient clarification.



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