



Polychem



SMARTGUARD[®]
COLLECTOR MONITORING SYSTEM

 **BRENTWOOD[®]**

NOW YOU CAN PREVENT SYSTEM FAILURES.

Polychem Systems, a Brentwood brand, has set the standard for performance and reliability in non-metallic chain and flight sludge collector systems for more than 30 years. SmartGuard® is a revolutionary proven fault detection system for water and waste water collector systems. This cost-effective approach helps to avoid disastrous system crashes or failures and the significant expense that goes with them.



Early detection saves you time and money.

The SmartGuard Collector Monitoring System identifies system overloads that can't be detected by a traditional shear-pin or torque monitoring device. SmartGuard monitors regular motion of lower-rear idler sprockets, warns of potential danger, and shuts down the system before chain, attachment link, or flight damage occurs.

Smart parts in the smartest locations.

SmartGuard's Collector Monitoring System intelligence sets it apart from other monitoring systems. Plus, SmartGuard's strategic placement at the head-shaft for flight misalignment and at the lower-rear idlers for motion monitoring, provides improved system protection against equipment damage.



SmartGuard control panel.

Optional applications include an add-on panel that complements the current control system, or a full panel that works as a total control solution.

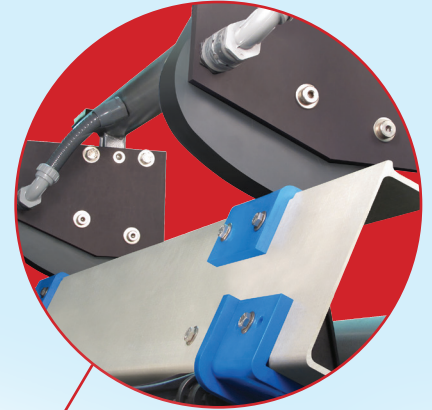
Control up to four mechanisms, including:

- Longitudinal collectors
- Cross collectors
- Scum pipes
- Screw conveyors

Operating multiple collectors with one control panel reduces the average cost of the system. Various options are available, depending on your needs.

SmartGuard Flight Monitoring

As flights pass over the head-shaft, cams are tripped, sending signals to the control panel for data monitoring.



SmartGuard Sprocket Motion Monitoring

Should sprocket loss of motion occur, the collector system automatically shuts down before the equipment is damaged.

Protect against costly damage from:

- Foreign objects dropped in the clarifier
- Concrete movement
- Irregular sludge loading
- Flight misalignment





SmartGuard Collector Monitoring System at a glance:

- Protects against costly system failures
- Identifies flight misalignment and monitors sprocket motion
- Shuts down the system before equipment damage occurs
- Simple to use and install
- Offers reliable system intelligence
- Expertly engineered
- Monitoring systems available for sprocket motion monitoring, flight misalignment or both
- Adaptable control panel

brentwoodindustries.com
watersales@brentwoodindustries.com
610.374.5109

