



The Smart Sluice Gates (SSG) are fully integrated, independent, 100% complete control stations. They can be instantly deployed for reservoir and canal control, check structures, canal turnouts, pipeline control stations, pump station, water treatment facilities, flood control, and industrial applications.

Shipped complete: The SSGs ship complete with a programmable actuator and on-board software that easily and accurately manages flow, level, gate position, and equipment operations, while logging and displaying station data. Custom programming is available.

Cost-effective gate control: Gate Actuators provide simple, accurate, durable and efficient control for gates and valves. Embedding a “brain” (controller) in a Gate Actuator on a gate built to support it consolidates SCADA control components into a single, easily deployed enclosure. This reduces the complexity of any control station, increasing reliability while decreasing cost.

Works with any commercial controllers: Any controller that can drive relays will fit into or integrate with the switch panel on the SSGs. We typically install and program a Rugged Computer RUG3/RTU/Controller with standard control software supported at no cost. Custom software available.

Ready for solar: SSGs and Gate Actuators are designed for solar but work equally well with AC.

Specifications Summary

- **Gate Type:** Rising or non-rising stem, any size
- **Control Options:** Maintain up or downstream level or flow, adjust gage position and/or control equipment
- **Power-Typ Max Daily:** 12 and 24 VDC. WT-100 4Ahr/day; WT-200 6Ahr/day; WT-300 9Ahr/day
- **Controller I/O:** RUG3 typical 6 analog, 8 digital, 4 digital out (10A relays) 4 analog out, enhanced IO, custom controllers
- **Control Panel:** HOA, local manual up/down, off, auto for remote control telemetry (SCADA)