

Smart Split Gates by Watch Technologies

Two styles, **Standard** and **Imperial**, with two blades in one frame doing the work of at least two gates; undershot and overshot operations in one gate simultaneously. Single or double stem actuation to accommodate any gate size.

- **The Standard** has an upper blade to control upstream checking, level control, or overshot flow that can drop down to "capture" the lower blade and raise it for sluicing, flow dumps, or to get both blades out of the way for maintenance.
- **The Imperial** also has two blades, but each is separately actuated to control undershot and overshot flow simultaneously and independently, with the capability to raise both blades completely out of the way; the best Check Structure ever made.



- **Cost-effective Control:** WT Gate Actuators provide programmable, simple, accurate, durable, and efficient control for WT Smart Split Gates and standard WT Sluice Gates. Embedding a "brain" (controller) in a WT Gate Actuator on a gate built to support it consolidates SCADA control components into a single, easily deployed 304 stainless steel enclosure reducing the complexity of any control station, increasing reliability, and decreasing cost.
- **Split-gates Work with ALL Commercial Controllers:** any controller that has digital outputs (relays) will fit into or integrate with the switch panel on WT Smart Sluice Gates, Standard, or Imperial.

Specification Summary:

Gate Types	Rising or non-rising stem, any size; 304/316 stainless, powder-coated A-36 carbon steel, or Aluminum.
Control Options	Maintain up or downstream level or flow; adjust the gate position and/or equipment operations, custom programming available.
Power- Typ Max Daily	12 VDC and 24 VDC (WT300 only); WT-100 4 Amp-hr/day, WT-200 6 Amp-hr/day, WT-300 9 Amp-hr/day.
Typical Controller	RUG3 and Campbell Scientific CR350 or CR1000 both of which include a Web server. Custom web design for every application including gate control toggles.
Control Panel	HOA, local manual up/down, off, auto for remote control telemetry.



Advantages of Working with Watch Technologies

**Your 1-stop resource for integrated water management equipment made in the US
that all fit together and built in-house.**

Serving ag/irrigation, water and wastewater, and oil and gas industries.

Leveraging Our Experience

- 35-years in field data collection and monitoring, sensor-driven equipment and software, and SCADA systems for several industries.
- We know what works in the field and have developed products for clients that work better, are simpler to use, are fully integrated already, for less money.

Creating the Right Fit for You

- Individual products or complete, turn-key systems and system integration, built in-house.
- Designed so that anyone can operate it—little or no special training required.
- WT is the only company providing data monitoring and control equipment and systems that all fit together.

Saving You Money

- WT is constantly innovating more effective and lower priced products for our clients. If there is currently no solution to meet a need, we will invent, design and manufacture it. For example, we developed the Smart Split Gate to solve an engineering and flooding problem in the city of Medford, OR. This gate is being used in irrigation, canals and for flood control.

About Jack Goldwasser, Watch Technologies Founder and CEO



Jack Goldwasser

Jack Goldwasser has 35 years' experience in data collection, remote monitoring, SCADA systems, and gate manufacture. He helps organizations and government agencies increase the efficiency of their operations at the lowest cost while conserving water.

Jack constantly looks for more cost-effective ways to solve clients' problems. He developed several new products including:

- Off-the-shelf monitoring stations deployable by non-professional staff,
- Automation gate retrofit equipment for agricultural, industrial, and containment gates manageable by the average maintenance staff, farmer, rancher, or Irrigation District staff member,
- Dual-action "smart" gates that can control surface conditions and dump flow or sediment as required in an emergency or on a schedule.