

# CASE STUDY

## CREEKSIDE DEVELOPMENT PROJECT, OREGON

### As Developments Grow, Orenco's TCOM™ Control Panels Adapt

In the small town of Canyonville, Oregon, the Cow Creek band of the Umpqua Tribe has developed the Seven Feathers casino along with hotels, an RV park, and other businesses. In 1994, Orenco supplied controls for the wastewater system serving the casino and hotel.



Originally configured for peer-to-peer networking, Orenco's TCOM panels now serve in a SCADA system that controls water and wastewater treatment for a casino resort complex, as well as the rest of the community.

When the Tribe then built a truck stop, a second hotel, and an RV park, it initiated the Creekside Development Project. Operated by CH2M Hill OMI, the project supplies water, wastewater, and greywater treatment to these facilities, as well as to all the rest of Canyonville.

In 2004, the tribe purchased seven of Orenco's TCOM panels for Creekside's new 0.5-mgd water and 0.5-mgd wastewater systems. The panels were programmed for peer-to-peer networking via a fiber and Ethernet network, with operator control and monitoring via TELNET.

As the system grew, a SCADA system using Allen Bradley's RSView® software was purchased. Orenco reprogrammed its panels to work within the new system. No new hardware was required. Now Orenco's

## Controls Market

### CANYONVILLE, OREGON



#### TCOM™ Remote Telemetry Control Panel

For complete specifications and options, see this product's Technical Data Sheet, ATD-CP-TCOM-1, available from Orenco's Document Library at [orenco.com](http://orenco.com).

*"There's no doubt that when you buy something from Orenco, it does exactly what Orenco says it will do," said Brian Boswell, senior project engineer for the system. "I can't imagine trying to run our wastewater and potable water plants without relying on Orenco's TCOM telemetry panel and their knowledgeable programmers."*

~ **Brian Boswell**  
Senior Project Engineer

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TCOM panels communicate alongside various PLCs and other devices under RSView's supervision.

Even though the TCOM panels are integrated into the RSView SCADA system, there has been no loss in the panels' original functionality, and they can still be remotely accessed via TELNET. This means that if a problem arises, Orenco's electrical engineers can still call the panel to diagnose the problem or adjust the programming. The TCOM panels also retain their paging capabilities, which supply backup to the SCADA system's paging function.

Brian Boswell, the Tribe's senior project manager, said, "I can't imagine trying to run our wastewater and potable water plants without relying on Orenco's TCOM telemetry panel and their knowledgeable programmers."

**Controls Market****Components**

Orenco Controls uses touchsafe components from leaders in the electronics industry: Siemens®, GE®, IDEC®, Square D®, ABB®, Cutler-Hammer®, Rockwell Automation®, and Danfoss®.

**Support**

Each panel from Orenco Controls comes with detailed wiring diagrams, complete installation and operating instructions, and toll-free technical support during installation.

**Pricing**

Because of the high volume of panels produced by Orenco Controls, it has a direct relationship with component manufacturers. This allows the company to produce small orders of custom panels at high-volume prices.

**Limited Warranty**

Every Orenco Controls panel is backed by a three-year limited warranty.

For more information on TCOM™ Remote Telemetry Control Panels, contact Orenco Controls™.



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*Data used by Orenco to derive the representations and conclusions contained within this Case Study were current as of February, 2011.*