Application: Monitoring water level in a tank
Type Of company: Public Utility
Location: New Mexico

**Problem:** The customer is using a cable suspended loop powered level transmitter (Delta Controls Model 591) to monitor the water level in a tank installed in a remote location. The level transmitter signal is sent to an Zlinx radio modem which is sending a signal to both a Honeywell PLC and a panel meter. When both devices are connected to the radio receiver channels a ground loop is formed and causes erroneous readings.

**Solution:** The customer will use an APD 2000 to isolate both signals. Isolated signal conditioners provide three-way isolation and will eliminate these ground loop degradation problems.