



:: Are you wireless? ::

Remote monitoring and diagnostics for waste water treatment facilities to improve control system performance, reduce project cost and improve asset effectiveness

Challenge

Difficulty in monitoring and diagnosing control system performance at multiple remote waste water treatment facilities across North America from the corporate location. Reducing the total installed cost at these facilities for upgrade of existing sites and success of new contracts.

Solution

Designed a “packaged” control system/wireless instrumentation offering to provide a lower total installed cost while significantly improving remote checkout/startup, monitoring and diagnostics capabilities.

Results and Estimated Savings

Reduced the design and installation cost for new contracts; estimated at \$25-\$30K per site.

Reduced checkout and startup time of system; estimated at \$10K per site.

Reduced maintenance time to diagnose and correct control system and instrumentation problems; estimated at 8-10 hours per week or \$40-\$50K per year.

Improved process performance and availability through the use of “smart” instrumentation.