



I'll Drink To That

Situation

A bottled water producer was growing rapidly and needed to expand their capabilities on a budget. A sister company had provided an antiquated 100 gpm reverse osmosis system that was in need of a major overhaul. Among the systems shortcomings were broken piping, a damaged pump and a non-functioning control panel. The company commissioned AWS to rebuild and upgrade the system and had it delivered directly to our facility for the work.

Action

Working closely with the Operator and Production Manager, AWS came up with an action plan for the system. In addition to the overall restoration including piping and membranes, we installed an Allen Bradley PLC and associated instrumentation. The outputs from the instrumentation (pressures, flows, quality, etc.) would be monitored locally as well as sent to their main control room.

Resolve

The refurbished system was installed at their new facility and the increased capacity easily met their growth requirements. The outputs from their new instrumentation and PLC were tied directly to a central control room to provide continuous monitoring of their system to optimize production. The system exceeded the customers requirements and fit well under their budget. Because of the savings they experienced, a new RO membrane clean-in-place system was designed and installed shortly after start-up.

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