

PC Based HART Communicator saves cost and increases functionality

Problem: Evoqua Water Technologies builds water and wastewater treatment system that are deployed all over the world. They are controlled by Industrial automation systems using HART based instrumentation. Commissioning and servicing these systems require a staff of field service engineers each needing tools to configure HART devices. Providing Handheld Communicators to each field service engineer is costly, requires frequent batteries charging, and the engineers have to carry an additional bulky piece of equipment on the job site.

Solution: Calen Moerman, Global Service Engineering Manager, was looking for a more cost-effective solution when the time came to replace the obsolete Rosemount Handheld Communicators they were currently using. The ProComSol DevCom2000 Smart Device Communicator pc application with a ProComSol USB HART Modem was selected. DevCom2000 uses standard HART DD files to communicate with HART devices allowing the engineers to use their laptop pcs they are already carrying to configure HART devices.

Result: Steve Bachechi manages a group of 8 field service engineers serving the Colorado area. In addition to the cost savings the DevCom2000 Communicator provided, they can cover the 8 engineers with only 5 licenses using the flexibility of the DevCom2000 licensing manager. This combination saved Evoqua between \$16,000 and \$32,000 in equipment costs.

Saving configurations to pc files for cloning devices, sharing, and archiving configuration for future device replacement is an additional benefit. It is also possible to find multiple devices on the same network without reconnecting.

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