

Android Based HART Communicator saves cost and reduces tools to carry into the field

**Problem:** SaskWater provides professional water and wastewater services to over 60 communities, rural municipalities, and dozens of rural pipeline groups as well as industrial and commercial end users in Saskatchewan, Canada. These systems use intelligent field measurement devices requiring maintenance and setup using HART digital communications. Many of these applications are on remote sites such as pumping stations that require field technicians to carry the tools needed out to the job site.

**Solution:** When the time came to replace the Rosemount 375 Handhelds the field technicians were using, Corey Harper, a Senior Technologist for SaskWater, was looking for a less expensive solution. The ProComSol DevComDroid Smart Device Communicator Android application with the ProComSol Bluetooth HART Modem was selected. DevComDroid uses standard HART DD files to communicate with HART devices allowing the field technician to use their cell phones they are already carrying to configure the HART devices.

**Result:** With 3 field technicians and the department manager using device communicators, SaskWater realized a \$7,000 to \$15,000 savings in equipment cost. Now the only additional piece of equipment needed to be carried to the field is the compact ProComSol Bluetooth HART Modem. There is no expensive hardware platform to become obsolete requiring replacement and the software is easily kept up to date using the ProComSol DD Library downloads available on the ProComSol web site.

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