

How Bluetooth[®] technology extends the capabilities and connectivity of wired instrumentation

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One day at a refinery, operators call an instrument tech to the control room and point to the screen. "PT-639 is giving us weird readings but everything around it seems normal. Something must be wrong with the transmitter," said the operator.

The tech knows this pressure instrument is in a Division 1 part of the plant, and consequently puts in a request for a hot work permit. Once granted, the next steps are putting on appropriate personal protective equipment and climbing up to the mezzanine where the instrument is mounted, verifying with the operators that the instrument is no longer controlling a process function, unscrewing the cap and mounting the leads from a HART communicator (**FIG. 1**) to look for error codes.

