

The Role of Rugged HMIs in Water/Wastewater Plants

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ABSTRACT

How do vibrations, heat, sunlight, ice, wind, rain, hose discharge and chemicals impact the control aspect of a water/wastewater treatment plant? Which operator interface designs provide the access as well as the necessary information required by the plant technicians? Are the knobs, dials and switches adequate for the task at hand? With fewer operators doing more work, do they have the necessary tools to be as effective at their jobs as they need to be?

There have been many advances in human machine interface (HMI) designs over the past few years. What has become a normal user experience on smartphones and tablets is now becoming mainstream with modern HMIs. Touch panels from 4" to 24" coupled with sharp graphics now provide a whole new way of displaying and performing critical tasks.

This presentation will describe the advantages of using modern, smart terminals to monitor and control certain aspects of water/wastewater plants. It will describe some of the issues certain technologies need to address when deployed outside, in the elements. Having the right controls at the right place can now be accomplished with the right technologies. The presentation will also focus on the issues and the solutions, not on specific manufacturers or solution providers. The takeaway from attending is that those involved in designing and managing water/wastewater plants will gain a better knowledge of what to consider and specify when selecting and deploying HMIs.

About the Author:



Jeff Hayes works for Beijer Electronics in Business Development. He specializes in the water/wastewater industry. He has over 20 years of experience in various roles in a variety of technology-oriented companies.