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Automation Group
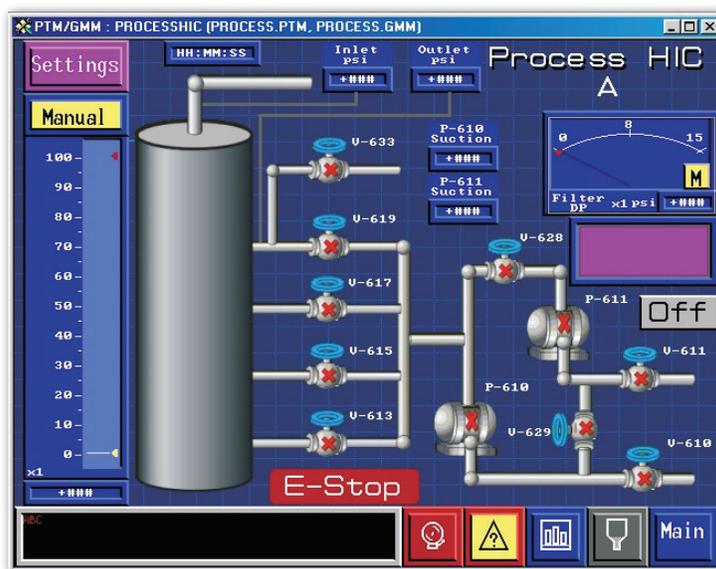
Process Control Services

Integrating process instruments, PLCs, PC-based control, and innovative software can improve and simplify your processes.

It's Not My Job!

How many times have you heard that one? Chances are, if you are a process engineer, supervisor, I&C technician, or a plant manager, you've heard that statement too many times. Maintenance, quality, process management, production control, and documentation: Who is really responsible? Finding the answer is the key to running a successful process facility.

AVANTech Has the Answer

Who is responsible? Use AVANTech Process Control Services to unravel the mystery. AVANTech's unique mixture of process instrumentation, process engineering, and custom control software can provide the answer. AVANTech is able to provide the necessary facts to managers, technicians, and supervisors, enabling quick solutions to all problems that arise. Our instrumentation feeds custom software packages that gather and store the data, compile the information, and display the results in an easy-to-understand format. Built-in inspection equipment can monitor quality, and even provide feedback to your process, so corrections can be made on the fly, usually with little or no operator intervention.

Process Control Screen Developed for an AVANTech Customer

About Last Night...

You've just started your day, and you are immediately assaulted by quality, production, and maintenance. They want answers, and you're in the hot seat. What happened when you were gone? Good luck finding out. The equipment won't confess, the operators have instituted a code of silence, and the supervisors? Well, they're pretty much in the dark, too.

So what happened?

By gathering trend information and logging specific events and alarms, AVANTech is able to provide you with a complete picture of what happened last night, last shift, or last week.

AVANTech Process Control Services

Put AVANTech Process Control to work, and you have answers in seconds. By gathering trend information and logging specific events and alarms, AVANTech is able to provide you with a complete picture of what happened last night, last shift, or last week. With factual information at your fingertips, you can dispel the rumors, innuendo, and guesswork, and replace the unknown with cold hard facts. Now you can analyze the data and begin to solve your process problems.

Hardware and Software in Harmony

AVANTech's hardware provides the muscle to make it happen. We can support a wide variety of hardware platforms, PLCs, and analytical instruments to best utilize your plant's existing training programs and support. Our working terms are flexible, allowing us to upgrade your process as part of a turnkey system or as an ongoing modification. We design our process equipment to be durable, easily maintained, and compliant with OSHA standards. Our fabricators can work with a variety of materials, from simple PVC pipe to stainless steel and Hastelloy. Finally, our knowledgeable staff of engineers, chemists, and programmers can assist you in determining the best mix of hardware and software to meet your process control needs.

SPC: Not Just a Buzzword...

Our approach to process automation goes beyond normal everyday valves and pumps. By integrating SPC/SQC sampling and inspection systems into the process stream, a process can be continually monitored for variances, ensuring process consistency and plant conditions that are always in control.

AVANTech's Automation Group is your resource for custom automation solutions in the Southeast. We develop solutions for a variety of industries including automotive, electronics, nuclear, textiles, pharmaceuticals, and discrete parts manufacturing. Additionally, we are dedicated to exploring new technologies and integration strategies to insure that your system will remain a long-term supported solution.

Our people are creative, talented, diverse, and motivated individuals who work together as a team to produce tremendous results.

Let us help you today.

Software Solutions

✓ **System Design**

✓ **Graphic Control Interfaces**

✓ **SCADA Systems**

✓ **PLC Control**

✓ **PLC Programming**

✓ **Real-Time SPC/SQC**

✓ **Data Acquisition Systems**

✓ **Process Verification**

✓ **Trending and Analysis**

✓ **Mobile Process Monitoring**

SPC X-Bar/Range Chart Displayed in a Control Program

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