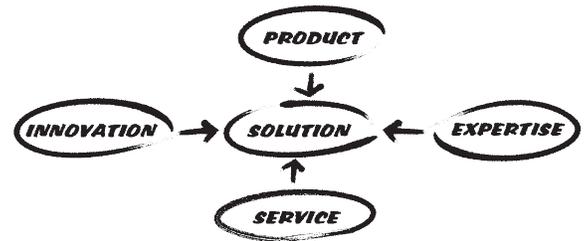


Specialized Personnel to See Your Plant Project Through to Completion

“The shortage of talent, both individual and company, appears to be a global problem that will not resolve itself soon.”

CONTROL Magazine
ARC/CONTROL Top 50 Process
Control Companies

Your new plant or expansion is about to go through site acceptance testing. You know you'll need engineers experienced at plant start-up and commissioning to manage the transition for the next six to twelve months. More than likely, you lack the skill set among your current work force. Furthermore, it's hard to find contract engineers who are experienced with the technologies you use. Your biggest challenge may be to find people who know what they're doing and who are available to ensure the job gets done right and on time.



What if...

- You could engage expert level staff without adding a permanent hire?
- This contracted expert and your staff could collaborate to resolve issues and improve plant production?
- You could retain this contracted expert for as long as needed, with equally qualified personnel available at any future date when the need arose?

PROJECT DELAYS, DISRUPTIONS

Lingering project issues and frequent changes to the system are a given as you go through site acceptance testing and plant start-up. It can take up to a year, depending on plant size and complexity, to work through these issues and changes. Without the right system expertise and know-how to troubleshoot problems as they are discovered and make configuration changes as needed, frequent delays and disruptions result. Any delay to the plant achieving a steady state of operations extends the time to recoup investment.

BALANCING FINANCIAL RISKS

Integrating disparate automation systems (DCS, PLCs, analyzers, etc) at a site can be complex. Multiple vendors are typically involved—adding to start-up risk. Sorting through and resolving integration issues that arise can quickly become a bottleneck in the start-up schedule.

SHORTAGE OF SKILLED ENGINEERS

It's becoming more difficult to find experienced engineers with specialized skills and the latest automation systems knowledge. Even after finding an appropriately qualified engineer, keeping them trained on the latest innovations is difficult—and high demand for their skills makes them difficult to retain. Finally, many small to medium-size plants have temporary need for these skills as issues or enhancement projects arise. When these skills cannot be located, issues or improvement projects are delayed or worse yet not addressed at all. This impacts the bottom line and puts you at a competitive disadvantage.

PROJECT RISK MANAGEMENT

INCREASE ON-SITE EXPERTISE

The Resident Engineer service places an experienced, DeltaV system-trained engineer at your site for durations based on your need. These engineers are pre-qualified to meet or exceed Emerson's standards of excellence. Their skills include conducting loop checks, DeltaV system troubleshooting, ongoing configuration changes, and integrating disparate systems.

All Resident Engineer program members have a minimum of two years' experience at Emerson's Global Service Center, where they gain in-depth skills and knowledge in troubleshooting issues of varying complexity in the DeltaV system and PlantWeb architecture. All have on-site field experience at customer plants.

INCREASE RELIABILITY AND AVAILABILITY

Your resident engineer serves as your site's primary Emerson contact for resolution of DeltaV system issues, providing logic and configuration changes as needed, and troubleshooting DeltaV system and field issues--keeping the system at its highest reliability and availability.

ENSURE SEAMLESS TRANSITION

Your resident engineer can spearhead project activities such as testing, commissioning, loop checks, configuration changes and more, ensuring a seamless project-to-field transition. For individual assignments, resident engineers can be available for any needed duration-- from a few weeks to a few years.

For more information, contact your local sales office or visit: www.EmersonProcess.com

"I want to thank (the resident engineer) for the detailed notes you have been sending out summarizing the problems and communicating with the BP process control persons in the refinery. Your notes are very well written - clearly explain the problem in easy-to-understand wording, and provide a helpful tone on working with the team to get the fixes tested and installed. This work is helping us get these remaining issues resolved in a timely manner."

Charlie McLeod, BP

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