



Do You Have the Right Automation Resources to Improve Your Work Processes?

40% of projects failed to achieve their business case within one year of going live.

2nd International Conference on Innovations and Information Technology

What if you could...

- Confidently demonstrate that your project objectives align with your business objectives?
- Know your automation plans will achieve your work processes improvement objectives?
- Be completely confident you're identifying, justifying and implementing the best automation technology solutions?
- Access and apply proven methodologies to identify best investment opportunities in your facility?
- Achieve the business results you expected from your automation investment?
- Have confidence in the cost/benefit analyses for your vision?

Looking at your plant to identify and prioritize automation improvements such as optimizing performance, reducing cost and staying ahead of the competition can consume valuable resources you need just to keep your plant running. Add to that the time and research you need in order to align your plans with your company's strategic vision and justify the return on investment to your management before they'll consider the improvements.

Finding skilled engineers who understand the latest advances in automation and also have the knowledge and experience to build the business case to get your vision implemented is a big challenge. Developing a high-performance integrated, manufacturing architecture takes skills and knowledge in plant operations, manufacturing software, and information technology. Tackling this task without a well-defined strategy can result in missed opportunities, unmet expectations, and cost overruns.

SETTING INVESTMENT PRIORITIES TO IMPROVE YOUR BUSINESS PROCESSES

It's difficult to justify new investments, much less identifying the priorities in which these improvements should be implemented to meet your business strategy and improve your work processes. Recent advancements in automation and information technologies can dramatically improve plant operations for significant performance gains. But many companies are unsure how to best incorporate these technologies into present work processes, and economically justify their implementation. Factors contributing to this difficulty can include inconsistent terms explaining the benefits, un-proven methodologies and tools to evaluate the priorities, unfamiliarity with market trends and how they will affect work processes and plant operations. These unknowns can leave you unsure whether to move forward or stay put with your present system.

LACK OF CONFIDENCE IN YOUR AUTOMATION BENEFITS PROPOSAL

Many worthwhile projects are left on the conference room table because the business case justification did not provide adequate support material. Contributing to this can be too many subjective claims, no baseline for reference, or a lack of industry benchmark to provide confidence in the claims. Lack of expertise, knowledge in developing automation business cases and inadequate tools to do cost/benefit analysis all contribute to lack of confidence in the strategies and automation benefit claims. These combined factors can scuttle a valuable project proposal.

SHORTAGE OF QUALIFIED WORKFORCE FOR PLAN IMPLEMENTATION

A growing worldwide shortage of skilled workers relative to industry demand makes it a scramble to secure the engineering resources you need to develop automation plans, execute a project or even operate and maintain your facility. This shortage is fueled in part by the retirement of experienced workers, combined with a lack of new skilled workers located where new facilities are being built. The trend over the past few decades among owner-operator companies in the process industries is to retain fewer in-house automation experts. You've probably already experienced the result of this trend: fewer engineering resources with the requisite experience to make good risk decisions in managing and executing projects.

OPPORTUNITY ASSESSMENT STUDIES

FINDING THE BEST IMPROVEMENTS FOR YOUR WORK PROCESS

Emerson can provide leading automation and industry expertise to enable you to clearly envision and capture the value of innovative technologies to accelerate and sustain your operation's competitive edge. These experts can work with you to develop a detailed implementation plan specific to your plant parameters, work processes and business objectives. They will help you identify operational improvement opportunities, creating an automation vision that captures the value of innovative technologies. These plans will help you accelerate and sustain your operation's competitive edge, achieve operational excellence and create a vision that will enable you and others to see beyond what can be done today, to what can be achieved in the future.

COLLABORATE WITH AUTOMATION PLANNING EXPERTS

Executed as a collaborative effort between you and Emerson, an automation study can be customized to your facility and is conducted by experts with in-depth industry, work process and process automation expertise. They can furnish you with a rigorous business case to help define future automation investment programs designed to improve work processes, production economics and maximize long-term return on investment. Applying best practices and methods developed through years of practical experience, these consultants can solve business problems with the broad vision of creating a new state of the art facility or improving your operations and work processes in your current facility, with fit-for-purpose solutions from the field through the business system. From these studies, you can derive automation options and capital budgeting information for future automation investments and use the results to set the requirements for the front end engineering and implementation phases.

GLOBAL QUALIFIED RESOURCES

With locations worldwide, Emerson's global consultant organization—combined with our local capabilities—can provide the resources you need to execute your study and implement your project. Emerson's industry consultants can draw from a range of industry best practices to discover opportunities to reach your vision. These consultants can take the next steps with you beyond process control to help identify business drivers, risk, and how changes will impact the organization and work processes.

Emerson's consultants have served as trusted advisors to some of the world's most successful companies and complex projects. Drawing on careers based in automation expertise, they can help you develop an automation solution from the technologies and services most effective for your project.

For more information, contact
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