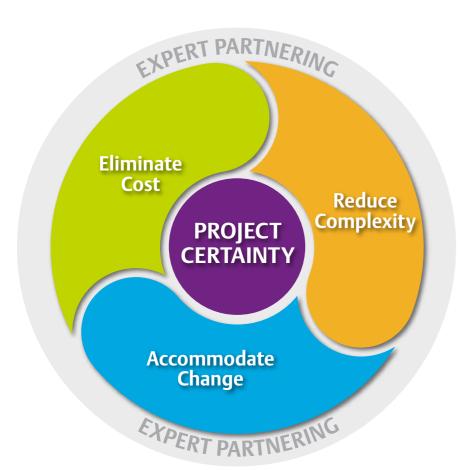
# PROJECT CERTAINTY





You have heard the stories — or you have told them yourself — about capital projects burdened by startup delays and excessive costs. Decades-old project methods are not helping anymore.

Today, successful integrated project execution—whether a greenfield new build, a modernization, or a migration—requires all of us to go beyond traditional thinking.

Emerson's Project Certainty approach provides a path to better project results by eliminating cost, accommodating late changes, and reducing complexity. The following stories should make it easy to envision your own future project savings and successes.



Learn more about Project Certainty.

## Chemical Manufacturing (v.s.)

The Season for a Less Costly, Less Complex Expansion Project

#### **Planning for Growth**

To meet their customers' needs for seasonal agricultural fertilizers, a chemical manufacturer in the United States had to be ready for the growing season. They planned for a facility expansion to supply agricultural fertilizers, and if start-up was delayed by complications or costs, the company would miss the season, miss opportunities, and miss profits.

# **Commissioning Saves Time and Money**

As the company began planning their automation solution, they recognized the success they had at other facilities using Emerson's DeltaV™ distributed control system (DCS) and AMS asset management software. Emerson's user-friendly and robust solution was a natural choice for their current project.

Commissioning went much faster and easier than anticipated thanks to Smart Commissioning. Before the new AMS Device Manager bulk commissioning, the company used to commission devices manually—one at a time for hundreds of devices. Multiple employees used to be paid overtime to complete commissioning on time.

In the current project, however, HART devices were automatically sensed with AMS Device Manager through the DeltaV DCS. Then,

Success was driven by cost savings and simplification made possible by Emerson and AMS Device Manager bulk commissioning. using AMS Device
Manager bulk transfer,
an implementation
team defined
configurations for
devices via templates
based on existing
devices. Configurations
were defined once and were
used many times on devices
throughout the expanded facility,
driving ease and consistency in
the process.

For loop checking, the combination of the DeltaV DCS and AMS Device Manager meant that a single technician at a control room workstation executed loop checks — without another technician working in parallel in the field. The system automatically documented all the steps and saved reporting time.

### Time Enough for Unexpected Extra Production

With their new capabilities, the organization completed activities in one day that previously would have required a week. Ultimately, commissioning was completed ahead of schedule with no project overruns. Project resources could then be allocated to other tasks on the project.



#### **Project Certainty**



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Learn more about Project Certainty.