

# 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 (U.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



## Emerson

### North America

1100 W. Louis Henna Blvd.  
Round Rock, TX 78681-7430,  
United States

☎ +1 800 833 8314

### Latin America

1300 Concord Terrace Suite # 400  
Sunrise, Florida 33323,  
United States

☎ +1 954 846 5030

☎ +1 954 846 512

### Europe

Blegistrasse 21  
6341 Baar,  
Switzerland

☎ +41 41 768 61 11

☎ +41 41 761 87 40

### Asia/Australia

1 Pandan Crescent  
Singapore 128461

☎ +65 6777 8211

☎ +65 6777 0947

### Middle East/Africa

PO Box 17033  
Jebel Ali Free Zone - South 2  
Dubai, United Arab Emirates

☎ +971 4 811 8100

☎ +971 4 886 5465

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