Engineering contractor reduces project cost and schedule using Emerson as the Field Instrument Vendor (FIV)

RESULTS

- Lower Project Cost
- Shorter Project Schedule
- Reduced labor hours and skill sets

Rosemount FIV capabilities helped an Engineering Contractor meet project cost and schedule goals with minimum skilled resources.

APPLICATION

Large international reimbursable project

CUSTOMER

A Korean based EPC

CHALLENGE

The EPC was executing a large international reimbursable project in a new office. The end-user wanted to reduce project man-hours while maintaining high quality.

The EPC was executing the project out of a newly opened office. As a result, they were faced with the risk of insufficient skilled personnel to execute the project on schedule.

If project schedules were not met, performance penalties would reduce or eliminate project profits, and make resources unavailable to work on other projects in the pipeline. In addition, if skill sets are not available when needed, project cost, schedule, and quality would suffer. This could reduce and delay payment to the engineering contractor.

SOLUTION

Emerson was selected as the project field instrument vendor (FIV). The extensive portfolio of Rosemount products, along with the instrument and application expertise, efficient project processes, and global quality and manufacturing strength of Emerson help reduce project cost, shorten the project schedule, and reduce skill sets and personnel hours for the engineering contractor.

ROSEMOUNT®

For more information:
www.rosemount.com

EMERSON™
Process Management

A typical project will have many product and service providers. Selecting and working with each cost the EPC and the End User money and time. Rosemounts broad product portfolio allowed us to provide over 80% of the needed instruments. This greatly reduced the number of vendors needed for instrumentation, lowering cost and improving the efficiency of the EPC project management, purchasing, and other personnel.

Rosemount's instrumentation and application expertise improved project success in several ways. First, Rosemount project personnel, the End User and EPC personnel worked together to pre-select the best measurement technology, hookups, and configuration for each process and application. This pre-selection reduced engineering, drawing, specification, and purchasing resource requirements. It also reduced risk and rework by ensuring that the best solution for each measurement was always used. In addition, Rosemount project personnel and the engineering contractor together determined the lowest total installed cost of each device type based on actual design and site labor rates. This delivered the best instrument for the application at the lowest total installed cost.

Efficient project execution processes also contributed significantly to project success. Since all device types were predefined, about 70% of the information needed to specify and order devices using the customer's In-Tools data sheets could be pre-entered and reused. When a device needed to be ordered, the customer used the In-Tools template, updated the specific tag data, and exported the data sheet to Emerson via an ISF file. Rosemount project personnel reviewed the instrument data and selection then entered the remaining vendor specific data. The completed data sheet was then re-imported back into In-Tools.

In addition, with all device types and hookups predefined, drawings could be provided in advance, reducing project execution cost and time. Next, adding additional devices was streamlined. Each drawing had an accompanying tag list. If another device of that type was needed, the device tag was added to the tag list. All device drawings and detailed information were already present. Adding additional devices became almost effortless.

A final area of contribution was Rosemount global quality and manufacturing strength. Some contractors or end users have country-of-origin requirements in their specifications. This is frequently based on the perception that goods manufactured in some countries have lower quality than the same items manufactured in other countries. Country of origin tracking, in addition to higher shipping costs and longer shipping times, can significantly impact cost and schedule and complicate ordering and tracking. The strict compliance to ISO 9001:2008 in manufacturing facilities assured the quality of our products regardless of country of origin.

The instrumentation part of the project met the cost and schedule goals, and EPC personnel time and skill sets were minimized. This allowed the EPC to meet their contractual obligations and move their skilled resources quickly to other projects.

ROSEMOUNT®

EMERSON™
Process Management

Emerson Process Management
Rosemount Division
8200 Market Boulevard
Chanhassen, MN 55317 USA
T (U.S.) 1-800-999-9307
T (International) (952) 906-8888
F (952) 949-7001
www.rosemount.com

Emerson Process Management
Blegistrasse 23
P.O. Box 1046
CH 6341 Baar
Switzerland
Tel +41 (0) 41 768 6111
Fax +41 (0) 41 768 6300

Emerson FZE
P.O. Box 17033
Jebel Ali Free Zone
Dubai UAE
Tel +971 4 811 8100
Fax +971 4 886 5465

Emerson Process Management
Emerson Process Management Asia Pacific
Private Limited
1 Pandan Crescent
Singapore 128461
T (65) 6777 8211
F (65) 6777 0947
Enquiries@AP.EmersonProcess.com

ROSEMOUNT®

For more information:
www.rosemount.com

EMERSON™
Process Management

00830-0100-4002, Rev AA