

# CASE STUDY

## Large Pipeline Maintenance Project

### Situation:

A major oil company was challenged with a pipeline maintenance project on a large 255 mile natural pipeline that ran from central Gulf of Mexico through several southern states and extending north connecting with several other gas pipelines. The pipeline system was large and intricate with a capacity to carry 1.2 billion cubic feet per day. The end user was required to plan, forecast, schedule and implement a comprehensive maintenance plan and integrity management system to prevent incidents along the pipeline.

### Challenge:

The client required that the project stay within the aggressive timeline and had no allocation for budgetary overages. In addition the pipeline had to stay compliant with safety and environmental requirements. Unfortunately, there has been a history of significantly project over runs within the budget and schedules due to poor forecasting and inadequate contingency management.

### Solution/Results:

Integrated Consulting was selected to facilitate a risk workshop and implement a project control system to develop and maintain the project schedule, generate cost forecasting and trending and assist in change management. A hands-on risk process workshop was conducted in-house for the entire project team, clearly listing all project risks on the risk register and developing an itemized list of contingencies.

Integrated Consulting mobilized a team to the field for cost / change management to gather data that was not supplied by the contractors in order to develop an accurate forecast and to support the construction management efforts. This also challenged the contractors to achieve their construction management objectives and forecasting. The team then developed and implemented a detailed cost loaded project schedule to generate earned value reporting, which was then monitored on a weekly basis. Also included was developing and maintaining project health reports for the client to report back to the project stakeholders. This took Integrated Consulting's team of five (5) people six (6) months to complete.

### Summary:

The program that Integrated Consulting implemented allowed the project to come in two weeks under schedule and 3% under budget. This was due largely to risk being identified early enough to eliminate impacts and enabled scheduled tasks to be completed on time. This was also the first project that came in ahead of schedule and by identifying the impacts of potential risks, enabled the team to minimize the impacts. The project stakeholders were pleased with the improvements and demanded that all future projects implement the same program of project controls.

“Integrated Consulting suggested, developed and implemented a process of good project controls and construction management, which helped us meet our bottom lines. This gave us a high confidence that we would finish the project with the allotted funding and not have to go back for additional funding.”  
Claims Tom Magill, VP of Construction Services.

### **About Integrated Consultants**

Founded in 2005, Integrated Consulting is among Houston’s premier project management and controls organization that helps significantly enhance project success by providing unbiased project consulting and implementation, providing data for informed decision making and accurate forecasting and helping attain strategic goals. Involved with groups such as PMI, AACEi and Houston Pipeliners Association, Integrated Consulting trains and supports its clients on reducing risk, cost trending, monitoring schedules, project management, and implementing new systems and standards. For more information on our services, please visit [www.icpcs.com](http://www.icpcs.com), e-mail [info@icpcs.com](mailto:info@icpcs.com) or call +1-281-536-3405.

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