

Project Systems Management

Providing Value-Added Solutions



UPSTREAM



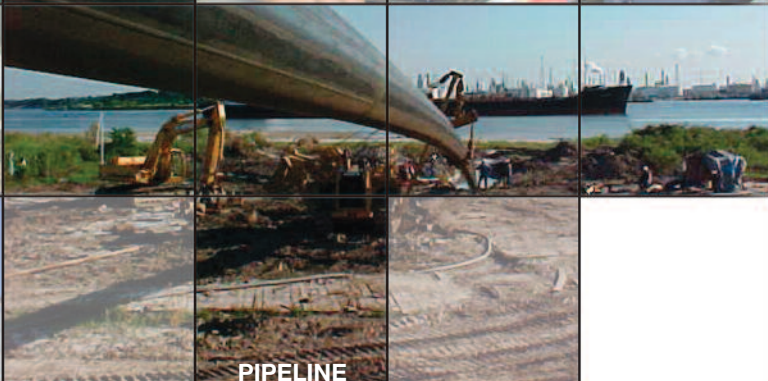
MIDSTREAM



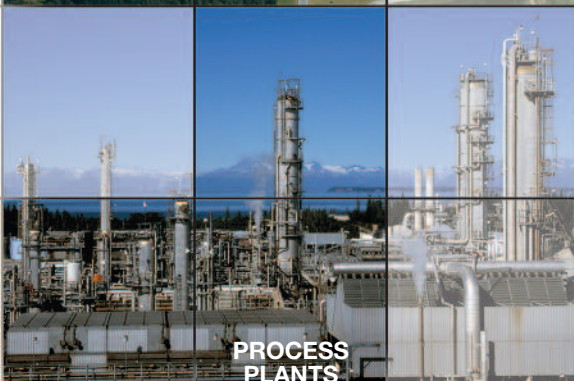
AUTOMATION



PROCESS & INDUSTRIAL



PIPELINE



PROCESS PLANTS



Adding Value to Your Project

Mustang couples global engineering, design, procurement, and construction experience with its Stage COACH® Project Management Process for best project results.

Having completed more than 6,500 projects for 350+ clients, Mustang has established itself as an engineering design, procurement and construction management firm that delivers projects with efficiency, cost effectiveness and timeliness. Our portfolio includes upstream, downstream, midstream, pipeline, automation and process and industrial projects.

Stage Gate Methodology

Mustang's Project Systems Management (PSM) group supports projects with assistance in establishing plans, procedures and Best Practices implementation. We help align our design engineering expertise with client needs by fully integrating with their project management process. PSM can help project managers work with any Owner's Stage Gate process. Working closely with



project managers and project engineers, Mustang adds the support necessary through our own Stage COACH® methodology to make your unique project successful from start to finish.

Our advantage is two-fold:

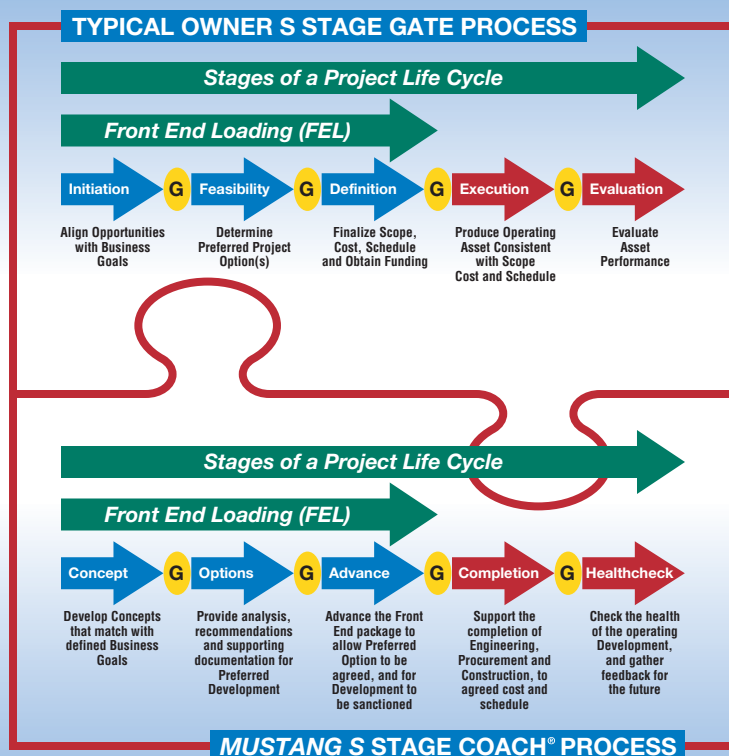
- hands-on project experience
- project planning expertise

Implementing Best Practices

Mustang's PSM group is experienced in all areas of project management Best Practices, which are aimed at improving performance in project cost, schedule, operability, safety, reliability, maintainability, constructability and client satisfaction.

Best practice areas include:

- All CII Recommended Best Practices
- Use of Stage Gate Project
- Management Process
- Value Improvement Practices (VIP)
- Risk Management
- Information Management
- Decision Management
- Management of Change
- Team Development and Alignment
- Peer Reviews
- Lessons Learned
- Project Benchmarking
- Project Execution Planning (PEP)



Value Improvement Practices

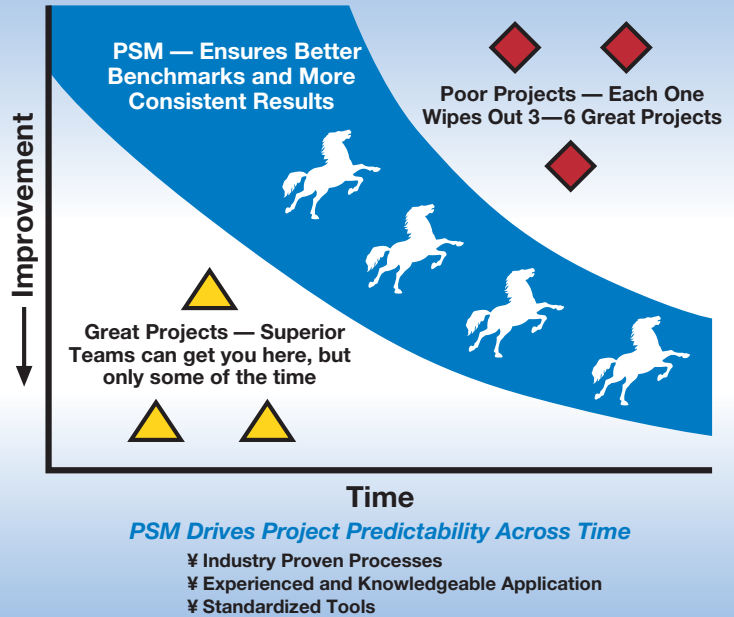
Mustang uses Value Improvement Practices (VIP) that go the extra step to improve the likelihood of a project's success. Among other things, these formalized procedures improve costs, capital efficiency, scheduling, and team alignment. Mustang's VIP, implemented by our specialists in the early project planning stages (Front End Loading), enhance project definition and value, assist in benchmarking audits and help ensure top quintile project results. Mustang's Value Improvement Practices include:

- Value Engineering
- Constructability Reviews
- Energy Optimization
- Waste Minimization
- Design to Capacity
- Technology Selection
- Process Simplification
- Classes of Plant Quality
- Lifecycle Information Management
- Customization of Standards & Specifications
- Process Reliability Modeling
- Predictive Maintenance

Project Benchmarking

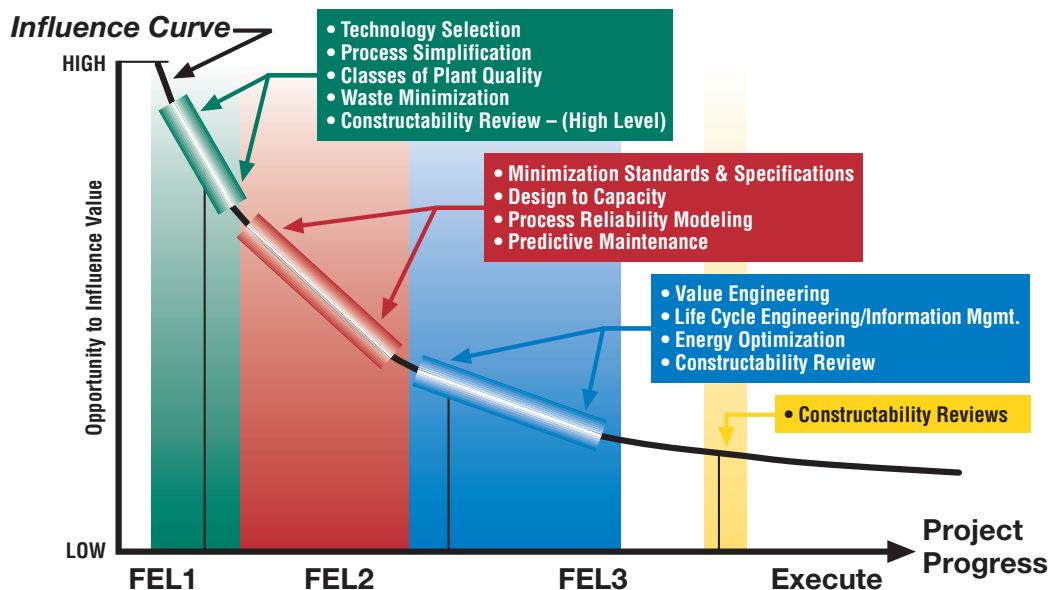
Mustang's Project Systems Management group is dedicated to assisting its clients in attaining the best results on independent project ratings prior to entering the execution phase of the project.

Project Benchmarks



These ratings make comparisons to similar projects and provide needed information to improve project performance. We bring an extensive knowledge base through our management of numerous benchmarked world class projects. Additionally, we have had excellent results from our projects scored by Independent Project Analysis (IPA) and the Project Definition Rating Index (PDRI) of the Construction Industry Institute (CII). We fully understand their rating criteria and the composition of their scoring.

Facilitation and Documentation of VIPs



Project Execution Planning

Mustang's Project Systems Management group works closely with the client's project manager and project team to formulate the Project Execution Plan (PEP) based on Mustang standards including the use of our Stage COACH® process. Once input is given, PSM takes on the primary plan preparation responsibility, freeing project team members to focus on the project. We assist with preparation of:

- Statement of Requirements
- Project Management Plan
- Project Execution Plan (including plans for engineering, procurement, construction, quality and HSE)
- Design Basis
- Project-specific Procedures

Training and Facilitating



Mustang is a PMI Registered Education Provider (REP), allowing us to offer accredited training for PMP certification and continuing education. Mustang has a team of Project Management Professional (PMP) certified specialists available for training and course development. Additionally, several of our facilitators are certified through the Society of American Value Engineers (SAVE), an organization devoted to value engineering.

We have conducted extensive training sessions in North America, Latin America and the Middle East for Major, Independent and National Oil Companies. We also develop custom training modules to suit our client needs. Mustang is pleased to offer the following training programs:

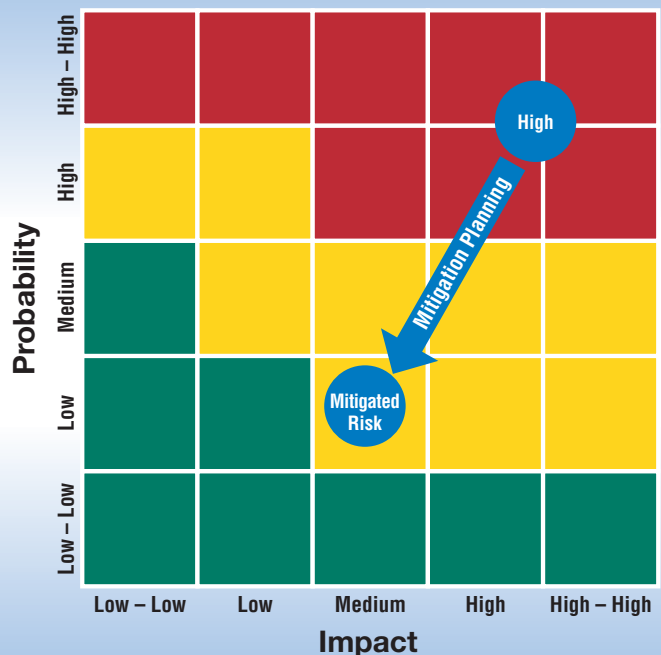
- A 36 hour Project Management Professional (PMP) Exam Preparation
- 15+ PMI registered Professional Development Hour (PDH) courses
- An 8 hour SafeGulf Basic Orientation and SafeLand PEC training programs



Risk Management

Mustang's PSM group focuses on risk planning, risk identification, assessment, monitoring and controlling risk to add value to your project. With a focus on project execution risk, PSM works closely with the client's risk coordinator or project manager to establish a risk management plan, prepare a risk register, assess the risks and initiate a response plan with appropriate action and follow up.

Risk Matrix



Lessons Learned

A Mustang strength is our ability to incorporate lessons learned into a meaningful deliverable throughout the project. Our formal Dare2Share™ program is a Best Practice that captures learned experiences and incorporates them into an electronic, sortable database. This tool provides a powerful and dynamic resource for project teams to learn from previous results and continuously improve project development and execution performance.



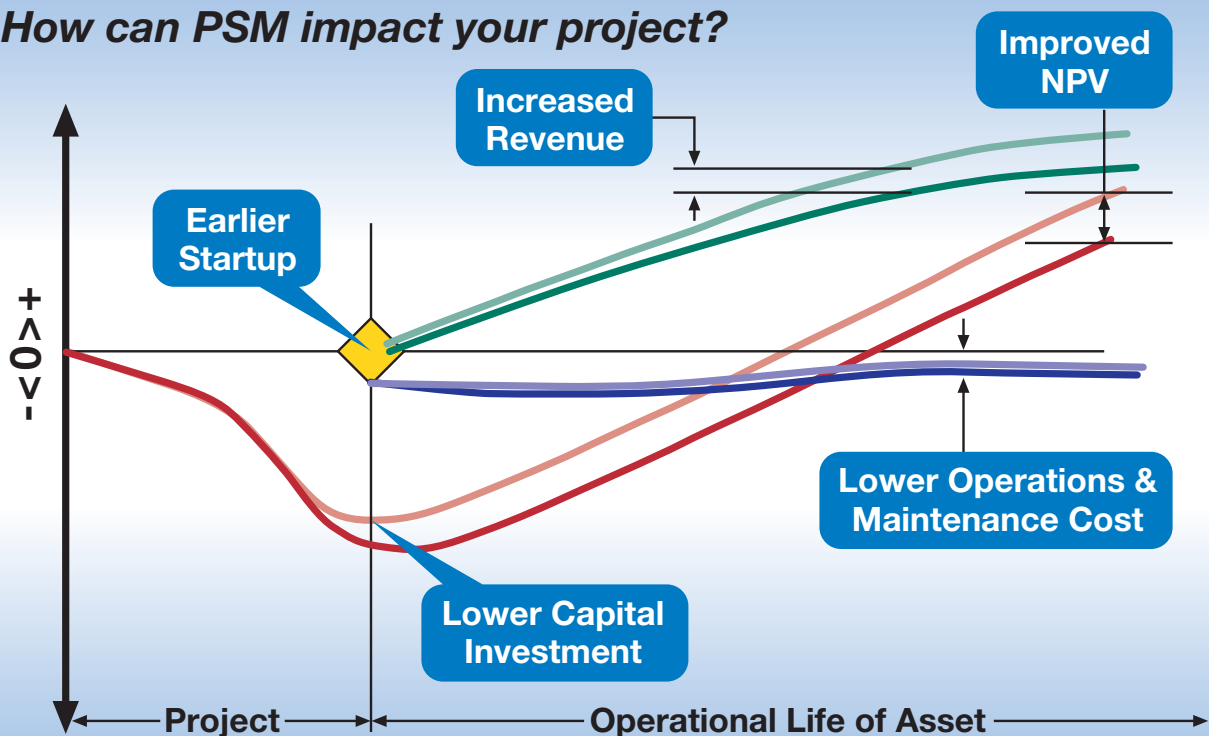
Decision Management and Analysis

Mustang realizes that sound decision making is one of the keys to effective early project development. Good decisions require thorough analysis that incorporates the appropriate stakeholder input and “buy-in”. PSM can help implement an efficient decision management process which includes proper documentation of results.

How Do You Benefit?

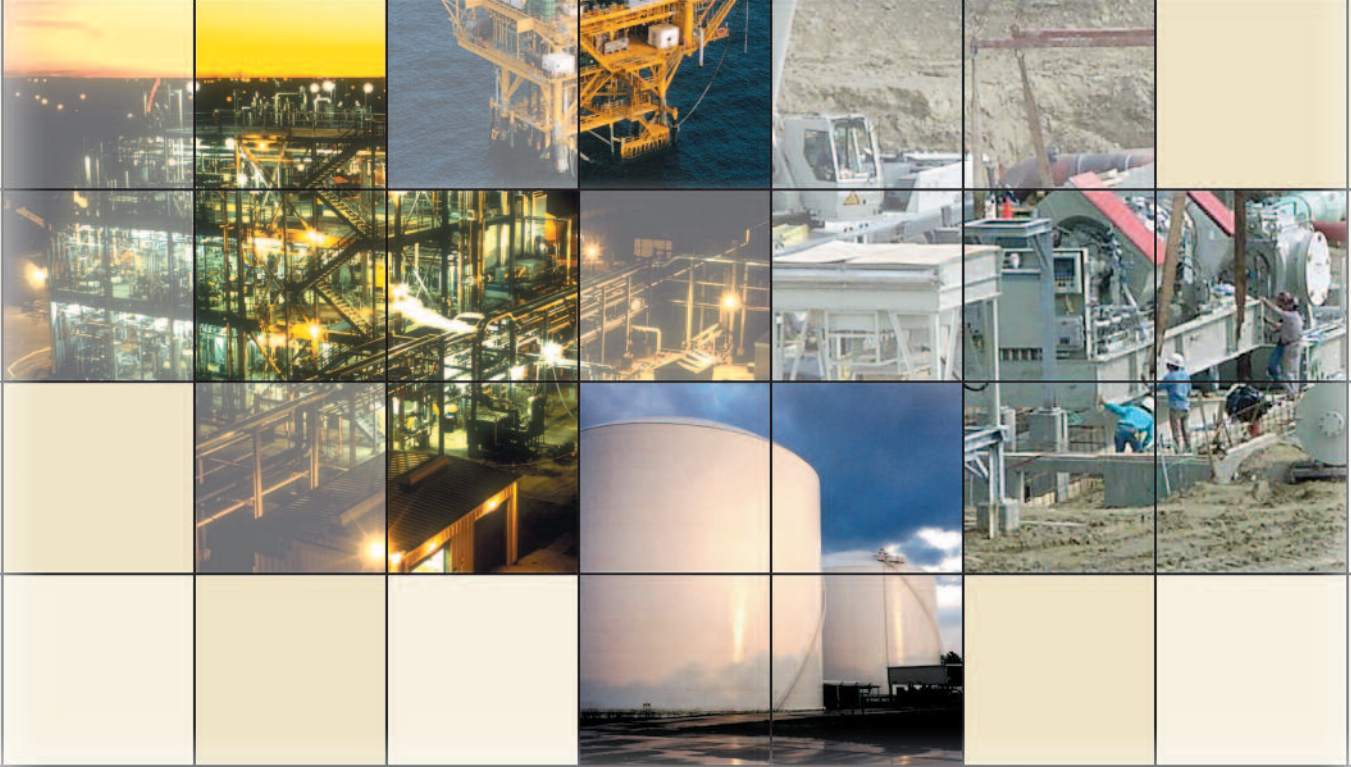
- Identification and alignment of all “stakeholders”
- Tighter alignment with business objectives
- Clearer project scope definition
- More focused project organization and execution
- Reduced capital expenditures
- Increased project value
- More complete risk identification and management
- Better decision management and communication
- Fewer changes during detail engineering and construction phases
- Controlled trend identification and management of change
- Better project team alignment
- Improved project execution with lessons learned
- Improved facility performance

How can PSM impact your project?



Mustang Vision

Our quest is to embody a culture that inspires super-motivated people to make heroes of Clients, Partners, Vendors and Mustangers!



People Oriented...Project Driven®

The word *Mustang* conveys energy, vitality and full-spiritedness. That image accurately describes Mustang's people.

Mustang has established a worldwide reputation for quality engineering design, construction and project management, and inspection services. Our focus encompasses upstream oil and gas, midstream projects, process plants, pipeline, automation and control, and industrial and manufacturing. Our professionals are fully backed by a hands-on management team, a solid support staff, and cutting edge systems.

Our philosophy is simple – deliver projects of the highest quality and value, on time, within budget and with zero safety incidents. That's our goal, backed by Mustang energy and innovation.



Houston • London • Perth • Mumbai • Abu Dhabi • Kuala Lumpur

www.mustangeng.com