



FULL SERVICE ENGINEERING

for the Petrochemical Industry



PREFERRED ENGINEERING
PRACTICAL - EFFICIENT - TECHNOLOGY

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Bruce Carroll
Founder, President, and General Partner

Overview

Preferred Engineering, L.P. (PE) is a full service engineering and design firm providing service to the petrochemical industry, with a focus on projects and plant modifications in existing facilities. At PE, our experienced technical personnel apply their training and industry knowledge to efficiently define, design, and execute projects. We work closely with our clients to safely meet project budget, schedule, design, and quality requirements.

Services provided by PE include: project planning, scope development, estimating, scheduling, engineering, design, project management, procurement, construction management, project auditing, safety management, field verification, and personnel staffing. Specialty services include U.S. Coast Guard marine vapor control certification.

From conceptual development to operation, our experience and skill set combine to provide the best approach and the right resources to each project's objectives.

Practical - Efficient - Technology

The Preferred Engineering advantage is enhanced by our utilization of the latest Computer Aided Engineering (CAE) tools available. If project objectives dictate using microprocessor based laser surveying and integrated 3-D model CAD systems for piping accuracy, PE has that capability. When project objectives require field fabrication and fit up, PE may use a pencil and paper for piping design sketches to minimize engineering cost.

The utilization of automated estimating tools like ICARUS enables our staff to efficiently provide consistent estimates for our clients. As project objectives are defined, the PE project team incorporates the right CAE tool into the project plan to enhance accuracy and efficiency.

The key to practical efficient use of technology is to know WHEN to use it. PE project managers know the right questions to ask our clients at the beginning of a project. This alignment allows optimization of a project execution plan utilizing the appropriate CAE technology tools.





Full Service Engineering Capabilities

Process
Mechanical/Piping
Civil/Structural
Industrial Architecture
Instrumentation
Electrical

Project Management/Project Controls
CAD/Computer Programming
Process Safety Management
Construction Management
Procurement
Specialized Consulting with PE Alliance Partners



The Preferred Engineering **Advantage**

At Preferred Engineering, L.P., we understand that by serving the best interest of our client, we establish an environment for mutual success. Our business model is built around the principle of developing long-term repeat business by providing our clients the best design and engineering solutions in a logical, efficient, and cost effective manner. We believe that our core values, aligned with an experienced, knowledgeable staff, appropriate technical tools, and specialty skills of our alliance partners, come together to formulate the best solutions. We call this...

“The Preferred Engineering Advantage.”

Our **Values**

Preferred Engineering, L.P. is committed to the following values and principles:

- ▶ A dedication to safety throughout all aspects of our business.
- ▶ A comprehensive understanding of client needs and alignment of those needs with our services and project execution.
- ▶ A continuous delivery of safe, accurate, and consistent results on all projects.
- ▶ A commitment to meeting today's aggressive project deadlines while maintaining quality and excellence.
- ▶ A dedication to the development of enduring business relationships through fair, honest, and ethical business practices.
- ▶ A profound respect for others with an expectation that all Preferred Engineering, L.P. employees conduct themselves in a professional and courteous manner.



Why Preferred Engineering?

- ▶ Plant Project Focus
- ▶ Develop/Earn Long-Term Business Relationship
- ▶ Desire to be an Extension of the Client's Project Execution Staff
- ▶ Consistent Lead Personnel Dedicated to Repeat Business Clients
- ▶ Low Turnover of Preferred Engineering Staff
- ▶ Partners Have Over a Century of Experience with Hundreds of Clients Providing Plant Project Solutions
- ▶ Innovative Approach for Efficient Plant Project Execution



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Alliance Partners – Managed by PE

- ▶ Construction/Fabrication
- ▶ NO_x Reduction Technology
- ▶ Intergraph Smart Plant Implementation
- ▶ Siting/Fire Protection Systems/Consulting
- ▶ Substation Design/Power Distribution Systems Consulting
- ▶ Industrial Architecture/HVAC
- ▶ Control Systems Consulting
 - Analyzers/CEMS
 - Foundation Field Bus
 - Safety Shutdown Systems
 - PLC Programming/HMI Graphics
 - DCS Development and Commissioning
- ▶ Refinery Operations and Process Consulting



Full Service Engineering for the Petrochemical Industry

Whatever your project related needs are we offer:

- ▶ Experienced technical personnel
- ▶ Efficient, cost-effective technology
- ▶ Ethical, value-driven leadership that provides stability and integrity
- ▶ A relationship based business model

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