

Resume of Professional and Technical Capabilities

Donald E. Dixon

16834 Royal Crest
Houston, Texas 77058
281-486-5605

dedixon@refineryconsulting.com

<http://www.refineryconsulting.com/>

October 2007

Fields of Competence

- Refinery planning & economics, long and short range planning, Linear Programming modeling.
- Feasibility Studies/Conceptual Designs,
- Project management
- Process Design

Experience Summary

- Worked on the 5-year plan for a major oil company. Provided crude oil selection, product material balances and evaluated capital projects.
- Provided process designs, economics and “curve” cost estimates for “Bitumen to SynCrude” and “Bitumen to Finished Products” projects.
- Developed a preliminary design for a billion dollar petrochemical complex. The design included material and utility balances for several related processing units. An economic sensitivity analysis was also provided so that the client could see the effect on the project ROI with changes to the project construction costs, operating costs, and raw material and product values.
- Developed a proprietary system of software packages that are used for simulation and/or optimization of refinery and petrochemical plants. This system is uniquely designed to handle case studies and bypasses limitations posed by commercial models that are available for operating plants.
- Headed up a task force for a major refining company to opine on the viability and relative value of its domestic refineries. This was done in the framework of the company’s long-term objectives and likely scenarios for future environmental constraints and changes to product specifications.
- As Manager of Engineering oversaw the design, procurement and construction of capital budget items for a large independent refinery. This was during a time of declining refinery margins and strict adherence to scope, schedule and budget was paramount.
- Provided operator training to a fully integrated refinery that sought to cross-train its operators as a result of going to a central control room. This was a successful project with 98+% of all trainees passing proficiency tests on their respective training.
- Evaluated the configuration of a shutdown refinery for use at a foreign location. Based on a new crude slate and new product specifications we advised what changes would have to be made to the refinery. The refinery was disassembled and shipped to India where it was successfully assembled and operated.
- Provided long term strategic planning to a major refiner to determine the best way to operate its refineries in making Reformulated Gasoline. The optimal location was determined for building new process units and a plan was developed to minimize new construction by sharing intermediate blendstocks between locations. .

- Provided IT services for a refiner in South Africa and one in South America to help them become more competitive. Their systems, business practices and key performance indicators were reviewed and scored against Industry Best Practices. .
- Worked as a Lending Institution's Independent Engineer on several projects. Assisted the Lending Institutions to develop contracts and helped them to administer these contracts including witnessing and certifying performance guarantees testing.
- Managed Yield Oil Accounting department. All process units and tankage were reconciled on a daily basis to produce the refinery's official oil movement reports.
- Operated the "board" on a 300,000 BPD crude unit during a labor dispute.
- Provided litigation and arbitration support relating to the petrochemical industry.

Employment

Refinery Consulting	Principal	2006-Present
LECG, LLC	Principal	2004-2005
Dixon Professional Services	Founder	1995-2003
Brown & Root USA, Inc	Sr. Refinery Consultant	1990-1995
Texas City Refinery	Manager of Engineering	1988-1990
	Manager of Economics & Planning	1975-1988
Litwin Corporation	Lead Engineer	1973-1975
Amoco Oil	Process Engineer	1965-1973

Educational Background

- B.S. Chemical Engineering from the University of Missouri in 1965.
- M.E. Chemical Engineering from Texas A&M in 1972
- CFP™ University of Houston in 1992