



**JUAN M. TOSCANO**

## **SUMMARY**

Highly experienced Project Manager in the areas of Ethylene Technology, Pyrolysis Cracking Heaters and Process Heaters for the Petrochemical and Petroleum Refining Industry. A solid technical background in process design, detailed engineering, procurement, construction and operations with a proven track record in delivering projects on time and under budget. Strong international and domestic experience with excellent client and vendor relationships. A dependable well organized planner who is innovative, creative and communicates effectively. Major strengths in team building, innovation, planning, project development and delivering a quality product. Experienced in fast paced business environment where customer changing needs drive the project.

## **WORK EXPERIENCE**

**LXDE Corporation**  
**Monroe Township, New Jersey**

**2009 - Present**

### **Consultant**

Consultant to engineering and construction industry.

**Lummus Technology Inc., a CB&I Company (formerly ABB Lummus Global, Inc.)**      **1996 -03/2009**

### **Senior Project Manager**

Simultaneously provide Project Management leadership for the execution and financial management of Projects for both the Lummus Technology Division - Olefins Technology Group and for the Lummus Heat Transfer Division. Project contract value spans the range from under \$1,000,000 to over \$150,000,000.

- Projects for the Lummus Technology Division include revamps and capacity expansions for major Ethylene units worldwide. Responsibilities involve developing and managing Basic Engineering and FEED (Front End Engineering Design) projects for major Ethylene units. Projects also required support to detailed engineering contractors and clients through project completion including plant startup and operational acceptance.
- Projects for Lummus Heat Transfer Division include major Ethylene pyrolysis heaters projects, reformers and refinery heater projects worldwide. Responsibilities involve organizing and managing all phases of projects from mechanical design, procurement, fabrication, shipping, construction to operational acceptance.
- Initiate and promote project execution planning with initiatives to reduce cycle time, eliminate rework, improve project deliverables, shorten project execution schedule and increase project financial returns. Significant savings were achieved on projects where improvements were implemented.
- Initiated the streamlining of the work definition in the proposal and contract negotiation phase of projects. This resulted in the ability for more aggressive proposal pricing and higher award rate.

## **Lummus Technology Division**

### **Process Design Manager**

**1991 - 1995**

Process design responsibility in Ethylene, Light Hydrocarbons, Aromatics and Refining technologies.

- Duties included project execution, basic conceptual design, process engineering, project engineering, technical services, start-ups, plant acceptance test runs for proprietary Ethylene, LPG, Catofin, and refining projects worldwide.
- Responsibilities also included sales support, proposals and team leadership for technology development efforts.

### **Quality Improvement Instructor**

**1990 - 1994**

Instructor for the Quality Improvement Process undertaken by Lummus.

- Responsibilities included classroom instructor and facilitator for quality improvement workgroups.

## **Lummus Technology Center**

### **Technical Service Manager**

**1989 - 1991**

Responsible for the overall management, coordination, and execution of technical service functions for Lummus Ethylene Technology.

- Responsibilities include coordinating and participating in plant troubleshooting, plant startups, internal maintenance of design standards and methods, plant operations, design feedback and contract administration of technical service agreements with clients.
- Also responsible for organizing, coordinating, preparing and presenting client technology training and plant operations training programs.

## **Lummus Technology Center**

### **Principal Process Engineer**

**1985 - 1989**

Process design and development responsibility in Ethylene Technology and Light Hydrocarbons.

- Duties included technology development and improvements to basic conceptual design methods and process engineering methods for proprietary Ethylene and LPG projects worldwide.
- Responsibilities also included sales support for proposals, plant startups and plant troubleshooting.

## **Lummus Technology Center**

### **Lead Process Engineer**

**1977 - 1985**

Responsible for the process development, design, simulation and supervision of olefins, light hydrocarbon and refinery projects, lump sum and cost plus proposals.

- Projects have included major grassroots ethylene units, energy conservation and capacity revamps (including the application of Pinch Technology), cogeneration units, LPG units, crude units, ethane extraction units, acetylene recovery units and feedstock pretreatment processes (heavy gas oils upgrading). Assignments included the start-ups and plant test runs on various ethylene units worldwide.

## **Lummus Technology Center**

### **Process Engineer**

**1974 - 1977**

Engaged in all aspects of process and project engineering, including the preparation of heat and material balances, preparation and review of PFD's, plot plans, P&ID's, detailed equipment specifications and purchase orders. Projects involved relocation worldwide.

## Diamond Shamrock Corporation

### Part time and Summers

1969 - 1973

Responsible for assisting in the operation and maintenance of a pilot plant for production of silicates and as a quality control technician in a chrome ore processing unit. Duties included laboratory quality control technician for tanolines used in manufacture of the leather products and the preparation of an operating manual for the optimization of a silicates production unit.

## EDUCATION

Bachelor of Science in Chemical Engineering, Newark College of Engineering  
Master of Science in Chemical Engineering, New Jersey Institute of Technology  
ABB Project Management Certification Program

1972  
1977  
2002 - 2007

## LANGUAGES

Fluent in Spanish



LXDE

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