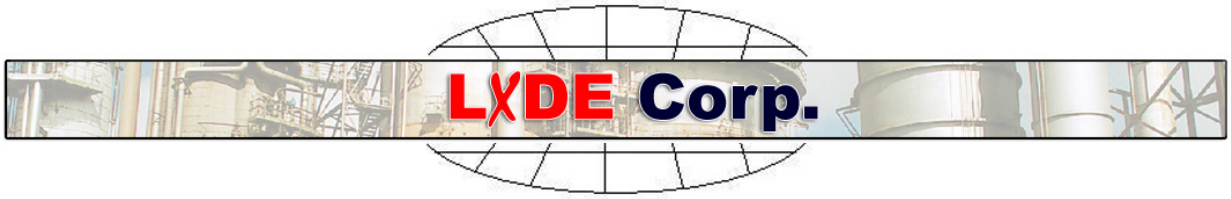

ARVIND K. SHOOR

SUMMARY

Over twenty years of experience in process design, engineering, simulations and optimization of chemicals, bulk pharmaceutical, petrochemical, refinery and environmental units. Set up design basis, developed material and energy balances, PFD's, P&ID's, process control schemes, pump hydraulics, equipment specifications for batch and continuous reactors, distillation columns, pumps and compressors, heat exchangers, process vessels and storage tanks, instrumentation, and piping systems and safety devices.

WORK EXPERIENCE

LXDE CORPORATION, Monroe Township, NJ **2009 - Present**

Senior Process Engineer

- Various process design

LUMMUS TECHNOLOGY, Bloomfield, New Jersey **1994 - 2009**

Senior Process Engineer

- Performed and reviewed the process design, engineering, and revamps of various ethylene plants. The duties included performing and reviewing heat and material balances, process simulations, equipment specifications, compressor and pump hydraulic calculations, instrumentation and relief valve summaries, safety interlock descriptions, PFD's, P&ID's, and utility flow diagrams

- The revamps involved; the modification and addition of new heaters, addition of other equipment, checking the hydraulics and instrumentation, and updating the existing P&ID's to increase the plant capacity from 350,000 MTA to 600,000 MTA

FOSTER WHEELER CORPORATION, Clinton, New Jersey **1993 - 1994**

Senior Project Engineer

- Revamped a Crude and a Coker unit for an unoven refinery in Chicago, Illinois. Developed PFD's and P&ID's, material of construction, and design conditions for the process equipment. Reviewed piping specifications, isometrics and vendor drawings and participated in Hazop reviews

- Reviewed design basis and developed PFD's and P&ID's for the design of an MTBE unit for the SAMAREC Yanbu refinery based on the Catalytic Distillation Technologies (CDTECH) process to produce 2,500 BPSD of Methyl Tertiary Butyl Ether (MTBE)

THE M. W. KELLOGG COMPANY, Houston, Texas **1991 - 1993**

Process System Engineer

- Lead the design activities for various units for an environmental upgrade project for a Shell refinery

- Developed conceptual design, block flow diagrams, equipment lists, equipment specifications, plot plans, cost estimates, generated reports, and made presentations to the client. Analyzed operations, routine maintenance and turnaround procedures, and made recommendations resulting in emission reduction

- Developed PFD's and P&ID's, equipment specs, and pump hydraulics

H. R. INTERNATIONAL INC., Edison, New Jersey **1988 - 1991**

Process Engineer

- Designed and engineered several plants. Reviewed and developed PFD's and P&ID's, material balances, equipment specifications, line sizing, and instrument and pipe line summaries

- Participated in the design activities of several Ethylene Oxide (EO) and Ethylene Glycol (EG) plants based on Scientific Design (SD) technology including; 40,000 MTA EO plant for Jilin Chemical Industries in Jilin, China, and a 16,000 MTA EO and 72,000 MTA EG plant for Pralca in Punta Camacho, Venezuela

- Lead the design efforts for the design of various Maleic Anhydride plants using SD technology based on benzene feed and a fixed catalytic bed reactor including; a 10,000 MTA Molten Maleic Anhydride plant for Maleic in Argentina, and a 10,000 MTA MAN front end and 6000 MTA MAN purification section for National Chemical Products in South Africa

EDUCATION

M.S. Chemical Engineering
New Jersey Institute of Technology, Newark, NJ

B.S. Chemical Engineering
Punjab University, Chandigarh, India

PROFESSIONAL AFFILIATIONS

Member of American Institute of Chemical Engineering (AICHE) - 1988

TECHNICAL SKILLS

Proficient with; Process Simulations, Pro II, Spreadsheets, Databases, Word Processing, and PowerPoint