



**Nichols
Engineering
Consultants LLC**

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Principal Engineer

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Positions

2016-Present *Owner, Principal Engineer - Nichols Engineering Consultants LLC - Shreveport, LA*
2012-2016, *Vice Pres., Mech. & Detailed Engr - Roddey Engineering Services, Inc. - Keithville, LA*
2003-2012, *Vice President, Project Management- Roddey Engineering Services, Inc. - Shreveport, LA*
2001-2003, *Manager, Project Engineering - Roddey Engineering Services, Inc. - Shreveport, LA*
1998-2001, *Projects Group Leader - Pennzoil-Quaker State Co. - Shreveport, LA*
1990-1996, *Senior Staff (Project) Engineer - Pennzoil-Quaker State Co. - Shreveport, LA*
1995-1996, *Assistant Maintenance Manager - Pennzoil Products Co. - Shreveport, LA*
1990-1995, *Staff Mechanical Engineer - Pennzoil Products Co. - Shreveport, LA*
1989-1990, *Assistant Maintenance Manager - Pennzoil Products Co. - Shreveport, LA*
1980-1989, *Senior Mechanical Engineer - Atlas Processing Co. - Shreveport, LA*
1977-1980, *Design Engineer - Diamond Shamrock - Pasadena, TX*
1972-1977, *Design Engineer - Monsanto Textiles Company - Decatur, AL*

Experience

Over 48 years of experience in system and component design, reliability engineering, general plant troubleshooting, maintenance management, and capital project engineering/management. Design experience includes machine design, pressure vessel design, component failure analysis, human factors and maintainability. Project management experience includes personnel selection and supervision, system design, budget management, design coordination, contract coordination, field supervision and troubleshooting. Consulting experience consists of system design and facilities planning, pressure vessel and piping system design, design of reactor internals, and refinery work on various processing units, especially hydrotreaters and catalytic reformers.

Served as chairman of the American Petroleum Institute's Subcommittee on Pressure Vessels and Tanks; part of the team that wrote API Standard 653, *Aboveground Storage Tank Inspection, Repair, Alteration, and Reconstruction*. Currently a member of the API's Committee on Refinery Equipment (CRE), the parent committee for all the subcommittees that write and maintain API's equipment Standards and Recommended Practices for refineries (Served three years as chairman). Presently serving as CRE Advisor to the Subcommittee on Piping and Valves. Presently chair the API Individual Certification Program (ICP) General Session at semi-annual Refining meetings, and a member of the ICP Governance Board (which oversees API certification of inspectors and personnel in inspection, tank entry, refractory, and many other areas), working extensively with the related standards, recommended practices, and the ASME Boiler and Pressure Vessel Code.

Education

B. S. Mechanical Engineering, 1972 **Louisiana Tech University - Ruston, LA**

Professional Associations/Other Activities

Louisiana Engineering Society

American Society of Mechanical Engineers

American Petroleum Institute

Registered Professional Engineer in Louisiana, Texas, Alabama, Arkansas, California, Florida, Illinois, Michigan, New Jersey; Registered, but inactive in Kansas, New Mexico, Oklahoma, Utah, Virginia, and Wyoming (all of which can be reactivated in short order).