



## THADDEUS KUCHARYK

### SUMMARY

Over twenty years of wide-ranging experience in the selection and design of equipment for the petroleum, petrochemical, chemical, pharmaceutical, and power industries. Expertise in design, stress analysis, fabrication, troubleshooting and modification of process equipment associated with new construction as well as upgrading and expansion projects.

### PROFESSIONAL EXPERIENCE

**LXDE Corporation** **2005 - Present**  
**Monroe Township, New Jersey**

#### **Consultant**

Consultant to engineering and construction industry.

**AXENS N.A. (IFF Group Tech)** **2003-2003**  
**Princeton, New Jersey**

#### **Mechanical Engineer (consulting/contracting)**

- Responsible for the mechanical design of high pressure/temperature reactors, heat exchangers, hoppers, pressure vessels, and distillation columns.
- Stress calculations, preparation of drawings, and material selection.

**Foster Wheeler Corp.**  
**Clinton, NJ**

#### **Sr. Vessel Engineer**

- Mechanical design of pressure vessels, heat exchangers, and storage tanks for the refinery, petrochemical, chemical, pharmaceutical, power, and other similar process plants.
- Full design responsibility for compliance with ASME Codes, TEMA, and API standards.
- Prepared requisitions and engineering drawings utilizing AutoCAD for inquiry and purchase of equipment.
- Involved in technical evaluation of vendor proposals and vendor recommendation. Review/approval of vendor drawings and calculations.
- Developed engineering standards and specifications for new equipment. Prepared equipment repair procedures.
- Also worked on the design of various diverse high pressure/temperature vessels and heat transfer equipment, tall-slender-distillation columns and piping.
- Worked on various projects as a lead engineer where the responsibility entailed vendor and client contact, as well as internal coordination and supervision of task force design team. Prepared and maintained engineering and design status reports. Provided technical assistance during vendor fabrication and field erection.

**H-R International Corp.  
Edison, NJ**

**Sr. Design Engineer**

- Thermal and mechanical design of heat exchangers, mechanical design of pressure vessels, in compliance with ASME Codes and TEMA standards for the process and pharmaceutical industries.
- Prepared engineering drawings and requisitions for inquiry and purchase of equipment.
- Technical evaluations of vendor proposals and vendor recommendation. Review/ approve of vendor drawings and calculations.

**Phillips Steel Fabricators Inc.  
Oakland, NJ**

**Design Engineer**

- Prepared detail fabrication drawings of pressure vessels, storage tanks, piping, and welding.
- Performed stress calculations in compliance with ASME codes and API standards.
- Responsible for preparing bill of materials estimating implementation of welding procedure. Quality assurance and manufacturing operations. Also, interacted with outside authorized inspectors.

**C.E. Iemmus Co.  
Bloomfield, NJ**

**Mechanical Engineer**

- Responsible for all technical phases involved in heat transfer equipment for process plants and refineries.
- Responsibilities included specifying and analytically sizing equipment, writing technical specifications and requisitions for inquiry and purchase, updating company's standard specifications, and review and approve fabricators drawings.

**Precision Heat Exchanger Co.  
Montvale N.J**

**Designer**

- Prepared shop drawings and bill of material, stress calculations for shell and tube heat exchangers and pressure vessels in compliance with ASME Codes.
- Supported Quality Assurance personnel including interaction with outside authorized inspectors.

**EDUCATION**

M.S. (ME) Fairleigh Dickinson University  
B.S.E (ME), New York Institute of Technology



LXDE

[www.lxdecorp.com](http://www.lxdecorp.com)