

RESUME

BHARAT BATRA, P.E.

402 Wild Peach Place
Missouri City, TX - 77459

TELEPHONE

Off. : (281)-261-4628
Fax.: (281)-261-4629
E-Mail : Bharat@peesi.com

EDUCATION:

M.S. - Computer Science: October 1984
New Jersey Institute Of Technology, Newark, NJ

M.S. - Mechanical Engineering: October 1983 (G.P.A.=4.0/4.0)
New Jersey Institute Of Technology, Newark, NJ

Diploma in Business Management: November 1980
R.P. Institute of Communication & Management, Bombay, India

B.S. - Mechanical Engineering: May 1978
Indian Institute Of Technology, Kanpur, India

EXPERIENCE:

*Mar. 1998 to
Present*

PRESSURE EQUIPMENT ENGINEERING SERVICES, Missouri City, TX
President

- *Design, Analysis, Re-rating and Fitness-for-Service evaluations of Pressure Vessels, Heat Exchangers, Storage Tanks and Piping for Petroleum and Petrochemical companies.*
- *Finite Elements Analysis (using ANSYS software) of Pressure vessels, pressure vessel components and other mechanical components.*
- *Mechanical Integrity evaluations for Pressure Vessels, Heat exchangers and Storage Tanks.*
- *Calculations / Recommendations for suitability of vessels for in-situ PWHT (Global & Local).*

*Jan. 1997 to
Feb. 1998*

RAYTHEON ENGINEERS & CONSTRUCTORS, Houston, TX
Consulting Engineer

- *Design, Analysis and re-rating of Pressure Vessels for FCCU revamp.*
- *Design & Engineering Analysis of Pressure vessels for HDPE plant.*
- *Finite Elements Analysis (using ANSYS software) of Pressure vessel components.*

*Oct. 1989 to
Jan. 1997*

BECHTEL CORPORATION, Houston, TX
Consulting Engineer

- *Design and procurement of pressure vessels for cryogenic service for Liquefied Natural Gas Plant for Atlantic LNG, Trinidad (May 1996 - Jan. 1997).*
- Worked as Consulting Engineer in Pressure Equipment Group at Shell Oil Company, Deer Park, TX (Oct. 1991 - April 1996):*
- *Design and analysis of Pressure Vessels (Tall Columns, Vertical Pressure Vessels, Horizontal Pressure Vessels, Spherical Vessels, Reactors etc.) based on ASME Boiler & Pressure Vessel Code, Section VIII, Div.-1 and Div.-2.*
 - *Analysis of Power Boiler Components per ASME Boiler & Pressure Vessel Code, Section-I.*
 - *Mechanical design and analysis of Heat Exchangers based on TEMA.*
 - *Design and analysis of Storage tanks based on API-650 and low pressure storage tanks based on API-620.*
 - *Re-rating and Calculation of minimum thicknesses for existing pressure vessels, heat exchangers and storage tanks to obtain remaining safe and useful life out of equipment.*
 - *Calculations for Repair/Alteration of existing Pressure Vessels and Tanks per API-510, National Board Inspection Code and API-653.*
 - *Evaluation of cracks and flaws using fracture mechanics.*
 - *Design of structural systems and supports for continued operation of vessels.*
 - *Engineering support for Piping stress analysis using CAESAR-II.*
 - *Validation of COMPRESS - Pressure Vessel Design software on an ongoing basis.*
 - *Calculations for suitability of vessels for in-situ PWHT and hydrostatic testing.*