

RICHARD L. ROE, PMP

2777 Woodland Park Drive
Houston, Tx. 77082

EXPERIENCE SUMMARY:

Over thirty years of experience working in America, Europe, Africa and the Far East related to the Oil & Gas Petroleum/Process Industries involving Design, Engineering, Project Management, Quality Assurance, Commissioning & Startup and Business Development. Responsible positions held include project manager/project engineer for both EPC's and end users, instrumentation department manager for a process engineering and fabrication company, facilities engineering manager for an Oil & Gas end user and general manager, sales manager and control systems project manager for process control equipment manufacturers. Offshore experience includes Oil & Gas Production Acid Gas Removal. NGL liquids recover, product storage facilities (FSO's & FPSO's), metering, transmission, gas compression and re-injection facilities; semi-submersible drill ship ballast control systems; and an onshore, island based oil & gas field operation base including living quarters, power plant, secondary recovery sea water injection plant and logistics base. Onshore experience includes oil & gas production, acid gas removal, product storage facilities, metering, transmission, utilities; gas, oil and NGL/LPG pipelines, oil & gas custody transfer metering stations, turbo-expander and NGL/Fractionation plants, oil & LPG tanker loading facilities, NGL/LPG storage facilities, natural gas compression and re-injection facilities, a CO₂ compression, distribution and re-injection system for secondary oil recovery; numerous control systems projects in oil & gas, refining, power and utilities sectors.

Project/facilities – engineering/manager responsible for design of piping and equipment, selection of materials, preparation of P&ID's, HAZID's & HAZOP's, HSE compliance and instrumentation / safety systems.

PROFILE:

- Proven ability to manage and lead from planning through execution with consistent results.
- Good team Leader and Organizer, who strongly believes in long term planning, and setting and achieving short term goals.
- Good meeting organizer and group leader.
- Systematic approach to problem solving, analyzing results and implementing solutions.
- Ability to form strong relationships with peers, staff and clients.
- Dedicated and committed, enjoys challenging rolls and tough assignments, reputation for going beyond expectations.
- Extensive experience both domestic and international in multi-cultural environments related to the petroleum/process industries involving engineering management, facilities engineering, construction, startup and field operations support.

EDUCATION:

Engineering Physics - 3 years
University of Tulsa

B.Sc. Mechanical Engineering
Birmingham University, USA

Essentials of Project Management(Certificate)
Villanova University

Mastering Project Management(Certificate)
Villanova University

KEY PROJECTS:

- Quality Manager / Regulatory Coordinator for the BP Thunderhorse Restoration and Start-up Phase – reporting to the Project Manager, responsible for managing all aspects of QA and QC including development of quality assurance documents / procedures, planning and advising Management of project QA staffing requirements, assigning, monitoring and controlling Quality Assurance staff including home office QA Coordinators and offshore QA Leads and Inspectors for carrying out field Quality Control activities and ensuring that all QA/QC activities are completed according to relevant procedures and contract documents. Additional responsibilities included interface between the project team and the regulatory authorities on all requirements for obtaining the American Bureau of Shipping (ABS) Class for the vessel as a FOI (Floating Offshore Installation), the US Coast Guard COI (Certificate of Inspection) and the US Minerals Management Service (MMS) Permit to Produce.
EMPLOYER: Mustang Engineering L.P. – Houston, Texas
- Business Development Manager/Principal Applications Consultant. Identifying, qualifying and leading the pursuit of key Indonesian projects to maximize penetration by all EPM divisions. Developing strategies, tactics and pursuit teams with both EPM and PTCS to insure success of all divisions. Developing and implementing account management / penetration plans for key accounts. Responsible for US\$25M budget in 2005. Responsible for all technical support for control systems engineering for Oil & Gas processes including: acid gas removal, gas liquids extraction and fractionation, gas metering, pipeline controls, gas compression and re-injection.
EMPLOYER: Emerson Process Management – Jakarta, Indonesia
- Senior Facilities Project Engineer – responsible for preparation and implementation of annual facilities project department budget of more than US\$50M. Responsible for all facilities projects from conception through start-up including FEED and AFE justification, budgets, operations integration planning and EPC management. NGL facilities, NGL fractionation facilities associated pipelines and offshore refrigerated storage / custody transfer facilities (FSO's) Supervised 5 project engineers, a team of 10 discipline engineers with as many as 10 concurrent projects in progress for facilities / process engineering support of the oil & gas field operations including interface coordination between existing oil operations and new NGL, gas sales facilities. Managed a NGL plant process de-bottlenecking project from front end engineering through start-up that increased plant output to 120% of original design. Project manager on a gas production and delivery project from FEED engineering through construction, start-up and operations acceptance for the NGL plant, transmission pipeline, compression facilities and automated ultrasonic meter custody transfer system.
EMPLOYER: Petrochina International – Jakarta, Indonesia
- Facilities Engineering Manager – Managed facilities projects from the budget and planning phase through start-up. Annual project budget US\$110M. Supervised 3 project and 5 discipline engineers for facilities/process engineering support of the oil & gas production field operations. Managed redesign project for CO₂ extraction, NGL separation and produced water disposal system for increased revenue and enhanced oil production. Project manager for FEED, engineering and construction of a high pressure sales gas compression system from AFE justification through start-up including upgrade of the compression facility, addition of an acid gas removal system and TEG dew point control, installation of transmission tie-in pipeline and computerized custody transfer system. Client representative to EPC contractors for pipeline and facilities. Project was completed on budget and 3 months ahead of

RICHARD L. ROE, PMP

2777 Woodland Park Drive
Houston, Tx. 77082

- schedule and generates revenue of US\$22M annually.
EMPLOYER: Pertamina/Halliburton – Jakarta, Indonesia
- Chief Facilities Engineer – responsible for facilities budget and AFE preparation. Annual budget over US\$80M. Managed the optimization, de-bottlenecking and upgrade of the oil and gas production facilities in South Sumatra which included Acid Gas and CO₂ removal. Supervised an engineering staff of 5 people for facilities / process engineering including new 3-phase separation equipment, debottlenecking of the gathering system, upgrade of the oil custody transfer system and optimization of gas lift compression operations resulting in increased oil production from 1500 BPD to over 2500 BPD. Company ceased activity to do the economic crisis and personnel security issues.
EMPLOYER: Western Nusantara Energy Pty, Ltd. – Jakarta, Indonesia
 - Project Engineer – assigned to Kvaerner for the Trans Pacific Petrochemical Indotama Project (TPPI) PMC as a project manager on their US\$3.2B gross roots petrochemical complex consisting of two (2) integrated complexes and including total infrastructure development to include jetty, terminal and port facilities, feedstock product storage, power generation, utilities, offices, warehousing, shops, plant buildings, contractor and company housing. The two closely integrated complexes consisted of a 700,000 TPA liquid feed Ethylene Plant and a 500,000 TPA Aromatics plant for the production of p-xylene, o-xylene, benzene, toluene, kerosene, reformate, and diesel. In addition, adjacent to the primary site were planned facilities for producing polyethylene, polypropylene and a petroleum refinery. Responsible for coordination of product storage facilities and custody transfer metering systems reporting to the PMC Engineering Manager. Specific duties included: Management of facilities/process engineering and off-take agreements with a staff of 5 project and 7 discipline engineers. Trained and supervised the local staff for the design, manufacture, installation and commissioning of ASME pressure vessels, skid mounted process equipment and instrumentation systems including process control panels, metering systems and automated valves.
Employer: PT Latoka Eka Prasetya – Jakarta, Indonesia
 - Project / Engineering Manager – Conducted feasibility study, obtained management approval and organized the oilfield / petrochemical supply division to provide engineered products, plant maintenance and upgrade construction. Trained and supervised the engineered equipment / construction group resulting in more than US\$9.5M in the 1st year of operation 20% above projections. Responsible for direct sales to major accounts. Served as Project Manager for 3 plant debottlenecking upgrades, Talisman energy, Santa Fe Energy and Asamara Oil including acid gas and CO₂ removal, and gas re-injection. Supervised the hot tap division to provide on line pipeline and plant tie-ins. Customers included ARCO, Caltex, Maxus, PGN and Unocal, Pertamina Refining at Cilacap & Balikpapan.
EMPLOYER: PT Lekom Maras – Jakarta, Indonesia
 - Regional Manager – Far East – Directed all sales and project activities for business development and technical proposals. Technical applications included: oil & gas (onshore and offshore), refining, petrochemical, chemicals, pharmaceuticals and power generation. As regional manager performed, directed and coordinated design, distributor sales, applications engineering and customer service for territory ranging north-south from Japan to Australia and east-west from the Philippines to Pakistan. PECO was a world leader in process filtration and gas & liquid metering systems.
EMPLOYER: Perry Equipment Corporation – Mineral Wells, Texas
 - General Manager / Technical Advisor – Conducted feasibility study, obtained management approval and organized the oilfield engineering and services division. Responsible for direct sales and control systems / process consulting for major oil companies and EPC's. Managed the sales and shop operations for valve / instrumentation remanufacturing and service. Recruiting, hired and trained a local staff of over 55 people for sales and shop operations. Project engineer for control systems design and upgrades for Marathon Oil, Diamond Shamrock, PT ARUN LNG. HUBBAY and ARCO.
EMPLOYER: PT Bina Energy Oilfield Services – Jakarta, Indonesia
 - General Manager / Technical Advisor – Conducted feasibility studies, obtained financial approval and negotiated license agreements for joint venture manufacturing agreements between Indonesian partners and Valtek, Inc. (process control valves) and Foster, Inc. (wellhead equipment and API valves- from the USA. The venture was granted pioneer status from the Indonesian government as the first manufacturer of these products in Indonesia. Directed all sales and project activities for business development and technical proposals. Technical applications included: Oil & Gas (on-shore and off-shore), refining, petrochemicals, chemicals and power. Responsible for direct sales to major accounts and managing all activities of the administrative, sales and manufacturing operations. Recruited, hired and trained all key personnel. Responsible for direct sales to major accounts and conducting product application training for staff and customers.
EMPLOYER: PT Automatic Accessories Indonesia – Jakarta, Indonesia
 - Project Manager – Managed engineering activities on a variety of EPC projects including feasibility studies, FEED, HASID/HAZOP and bid packages. Managed a conceptual design study of an Esso Pipeline company project for three concrete barge production platforms for the southern Louisiana marshes. Conducted a gas system definitive study for Nigerian National Petroleum Company including offshore/onshore gas gathering, acid gas removal, dehydration facilities and transmission pipeline. Coordinated a field development study and definitive cost estimate for Gas Production Enterprises, Inc. for a production platform and associated pipelines to be installed in the Santa Barbara Channel area. Served as EPC onsite client project manager stationed in Jakarta, Indonesia for the Pabelokan Island Development project Of IAPCO. Client representative to the EPC for US\$105M project included a 40 megawatt gas turbine power plant, 13.8KVA subsea cable power supply network, 200,000 BPD treated sea water re-injection plant for secondary recover, an offshore island supply base including accommodations for offshore oilfield operations staff and facilities / process engineering for debottlenecking of a network of 15 offshore platforms.
EMPLOYER: Earl and Wright Consulting Engineers – Houston, Texas

RICHARD L. ROE, PMP

2777 Woodland Park Drive
Houston, Tx. 77082

HONORS & PROFESSIONAL SOCIETIES:

Accreditations

Technical Training Programs:

U.S. Navy Interior Communications School
Certificate in Control Systems Operations and
Maintenance

Fisher Controls Company

Fundamentals of Control
Analog Control Systems
Rotary Control Valve Applications
Process Control Computer Applications
Advanced Process Control Computer Applications

American Management Association

Principles of Project Management
Time Management

Membership

ASME

Senior Member, Instrument Society of America

Military Service

United States Navy, 2 years active duty, 4 years reserve duty;
honorable discharge

