

Job Description

Application Engineer

Nel Hydrogen, Inc

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Hydrogen... the most abundant element in the universe is your ticket to a rewarding future. Every day there are reports of how hydrogen (produced by water electrolysis and renewable energy sources) is displacing fossil fuels, reducing greenhouse gasses, and helping to revitalize our planet.

Nel Hydrogen is the global leader in on-site hydrogen generation and the largest electrolyser manufacturer in the world. Armed with a full portfolio of water electrolysers and hydrogen fueling station technologies, Nel Hydrogen is leading the charge into the new green hydrogen economy.

If you are driven by personal initiative combined with loyalty and commitment to your team and the ability to convert complex issues into simple solutions, then we want to talk to you. Help make the world a better place. Join a company that is on the cutting edge of new energy innovations, with an energized, progressive culture.

About the job position

As Application Engineer in the Application Engineering and Product Support Team, you will be responsible for project engineering for new installations at customer sites, and developing technical solutions for customer sites. Project Engineering includes technical document creation for customer sites, supporting the customer's EPC in the permitting with local authorities, participating in site and safety reviews, and developing project documentation. You will work closely with Project Management, the Installation & Commissioning Team, and the R&D department in Denmark. Your focus is to ensure that project documentation is delivered on time is technically correct, project management and customer technical questions are addressed in a timely manner, and that schedule and technical risks during the installation/commissioning are mitigated by clear and accurate documentation. You will also have some special application engineering projects that include customer-specific solutions, working with local vendors and managing small procurement and logistics. You will develop technical specifications for customer specific equipment, such as external cooling units, supply compressors, minor field controls and site-specific modifications You will report to the Product Support and Application Engineering Manager. 2 to 3 weeks of international travel for training and cross-cultural exchange per year can be expected.

Your tasks will include:

- Site Specific Documentation Including PFD, Project Material Lists, Wiring Termination Drawings
- Reviewing Product Documentation and applying product requirements to customer sites
- Reviewing customer site layouts
- Supporting Sales Bid Assessment process for installation cost estimates

- Participating in Site Risk Assessments (HAZOP, HAZID, and other methodologies)
- Evaluating Site Material requirements for installation
- Developing Bills of Materials for Projects
- Aligning application and project engineering functions across NEL organizations worldwide
- Exploring cost saving measures and domestic procurement of project materials
- Supporting project management with clarifications and customer consultation
- Developing and maintaining installation quality assurance procedures, processes, and documentation
- Ensuring compliance with local codes and standards for installation of Hydrogen Stations
- Technical specification for customized application equipment such as valves, regulators, cooling units, supply compressors
- Feedback to Product Development to improve product and process quality

Qualifications

You possess a relevant educational background and technical experience in mechanical or civil engineering. You have a strong technical- and business-orientated mindset, are curious, and can quickly understand complex technical systems to find organizational and commercially good solutions. You are structured and innovative, giving you the ability to handle multiple projects simultaneously. You excel at working independently and in teams, and are highly skilled in both written and spoken English. You are good in communication with other technical staff, internal as well as external.

Requirements

- B.S. in civil engineering, mechanical engineer or similar
- Work experience in civil engineering, project engineering, or piping systems
- General understanding of work safety procedures and experience in risk evaluation
- General understanding of enterprise resource planning and document management systems
- Must be a self-starter that will seek answers independently
- Experience with construction and the trades
- Strong knowledge of Pressure Piping Systems
- Basic Knowledge of electrical distribution equipment
- Familiarity with the ASME Codes and National Electric Code (NEC, NFPA 70)
- Experience working in or with international organizations
- Experience working within established procedures, codes and standards
- Communicate fluently in both written and spoken English
- Proficiency in MS Excel, MS Word, MS Visio, CAD (Inventor is a plus)

It will be beneficial if you have:

- Experience training people on new procedures and instructions
- Experience in city planning and permitting
- Experience in Oil & Gas Project Engineering

- Technical Sales Experience
- Proficiency in the California Electric Code, California Fire Code, California Building Code
- Fluent or elementary proficiency in a second language like German
- Hydrogen Fuel or Compressed Natural Gas Experience

Application & Contact

To apply, please e-mail your cover letter and resumé to: recruitment@nelhydrogen.com

About Nel Hydrogen | www.nelhydrogen.com

Nel Hydrogen is a global, dedicated hydrogen company, delivering optimal solutions to produce, store and distribute hydrogen from renewable energy. We serve industries, energy and gas companies with leading hydrogen technology. Since its foundation in 1927, Nel Hydrogen has a proud history of development and continual improvement of hydrogen plants. Our hydrogen solutions cover the entire value chain from hydrogen production technologies to manufacturing of hydrogen fueling stations, providing all fuel cell electric vehicles with the same fast fueling and long range as conventional vehicles today.