MECHANICAL ENGINEER – R&D GROUP

Position Details:

Location: 3401 Calle Tecate, Camarillo, CA 93012
Category: Professional
Status/FLSA: Full-Time, Exempt
Date: April 10, 2020
Website: www.ytca.com

Job Description:

YTC America Inc. (YTCA), the North American corporate research and development center of Yazaki Corporation, Japan is seeking a talented and highly motivated individual to fill a Mechanical Engineering position in its R&D Group.

Responsibility:

The individual will be a key member of the laboratory’s research and engineering staff and will provide support in operating various research and pilot plant scale process equipment, and as necessary, will participate in troubleshooting, assembling, and maintaining operational equipment.

The immediate focus will be on a pilot plant scale absorption refrigeration system for evaluating the cooling efficiency of novel in-house designed refrigerants. The refrigeration system has been designed to allow for key components such as fluid distributors, heat exchangers, and pumps to be adapted and changed to optimize its performance in a combined cooling, heating, and power (CCHP) generation system infrastructure that currently is in the design and development stage within the company.

Other lab-scale equipment are routinely used to characterize thermal fluids for their thermo-physical properties, such as vapor pressure, viscosity, surface tension, thermal conductivity, and water content of various refrigerant–absorbent working pair combinations.

Requirements:

The ideal candidate will have a Bachelor’s or Master’s degree in Mechanical or Chemical Engineering with 2 to 5 years of industrial experience; or otherwise has demonstrated pertinent capabilities. Past experience with refrigeration and air conditioning systems will be a plus. The successful candidate should have a broad background encompassing a fundamental understanding of thermodynamics, heat transfer (heat exchangers), and mass transfer (gas-liquid absorbers) systems, as applicable to air-conditioning and refrigeration.

This position requires substantial hands-on work. The position also requires technical drawing and writing skills. Competencies in technical design and drawing tools (Auto-CAD, SolidWorks) and Microsoft Word, PowerPoint, and Excel are required.

Basic knowledge of machine automation and control, such as Siemens Profibus technology, and data acquisition and analysis software such as Delfin ProfiSignal or LabView are a plus.
Qualifications:

The successful candidate is expected to have a strong desire to contribute to technology development and validation through hands-on work, be self-motivated, have the ability to effectively interact with the other team-members, have a can-do attitude, and strong written and oral communication skills.

YTCA offers a state-of-the-art research facility, competitive compensation, and an excellent benefits package:

- Health, Dental, and Vision Insurance.
- Health Savings and Flexible Spending Accounts.
- Employee Assistance Program (EAP).
- Paid Holidays, Vacation, Personal Time, and Sick Leave.
- Life and Accidental Death and Dismemberment Insurance, Voluntary Life Insurance, and Short and Long-Term Disability Insurance.
- 401(k) Plan, and Employer and Safe Harbor Matching Contribution.
- Bonus Program.
- Educational Tuition Reimbursement.

Qualified candidates are requested to send cover letter and resume to hr@ytca.com. Reply Code: ME-2020.

"YTCA is an Equal Opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex including sexual orientation and gender identity, national origin, disability, protected veteran status, or any other characteristic protected by applicable federal, state, or local law."