

United States Jobs Expertini®

Industrial Process Heating Engineer

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Company: Clearesult

Location: United States

Category: architecture-and-engineering

Job Description Summary

Energetics - CLEARResult Energy Sustainability Consulting provides a full spectrum of clean energy consulting services to public and private sector clients. The Energetics team works with lead investors, innovators, and stakeholders to inform and expedite the development and market success of novel energy technologies, strategies and practices that deliver a sustainable future. Energetics was founded in 1979 and joined CLEARResult in 2024 as a division within CLEARResult's Energy Sustainability Services business.

Additionally, you will enjoy:

- Medical, Dental, and Vision Insurance; we also offer a company-paid health care concierge service to help navigate our health plan to make the best decisions for you and yours
- 401(k) with company match
- Paid vacation, sick, personal and parental leave time
- Paid Volunteer Time: giving back to our communities is important to us
- Employee Recognition Program – convert your recognition points into gift cards
- Employee Assistance Program – offers benefits to help you manage daily responsibilities
- Access to on-demand training courses to advance further in your career

Job Description

Ideal candidates would periodically go on-site to meet with our clients.

Looking for an opportunity to apply your passion for energy and sustainability? A place where

you can make an important contribution in a collaborative, flexible work atmosphere?

Energetics is seeking an industrial process heating engineer/analyst with experience and knowledge in process heating manufacturing technologies, which may include industrial furnaces and thermal processing equipment. This engineer/analyst will support the Department of Energy's Industrial Efficiency and Decarbonization Office (IEDO) Cross-Sector Technologies (CST) program. Upcoming activities will include strategic planning, analysis, technical advising, and research, development, and demonstration (RD&D) program support. As part of your work, you'll gain innovative knowledge and contribute towards technologies, policies, and R&D trends in industrial energy. Join our fast-paced team at Energetics and help turn ideas into real impacts. This consultant will work in a highly collaborative atmosphere, interacting directly with government program managers.

DUTIES & RESPONSIBILITIES:

Responsibilities include, but are not limited to:

Acting as the technical subject matter expert for industrial process heating, synthesize and clearly communicate results of research related to thermal processing applications in industrial sectors to colleagues and clients through formal and informal presentations and written technical communications (reports, white papers, fact sheets, briefings, journal articles, etc.).

Supports the planning and management of the Industrial Process Heating RD&D portfolio.

Works independently or as a member of a team; leads small teams on research projects.

Contributes to strategic plan of federal government technical programs (proposed or in progress) with respect to goals and objectives, implementation plans, and budget allocations.

Takes technical information and develops clear planning and summary documents.

Works closely with program managers and co-workers in a fast-paced collaborative team environment (diligent and responsive contributor). Advise on industry-relevant demonstration opportunities for decarbonization via thermal processing technologies and processes across related fields and sectors.

Collects and tracks program and project information and milestones; summarizes results in draft reports.

Analyzes global market and technology developments, trends, and statistics (energy,

carbon, and economics).

Liaison between scientists at universities/laboratories and government decision-makers to assist in distilling key technical results and potential impacts from R&D.

Supports in person and virtual meetings and workshops with clients and stakeholders, including but not limited to preparing meeting materials, scheduling meetings, facilitating technical discussions, and summarizing proceedings.

Assists clients in the preparation of technical reports required by the agency hierarchy, by Congress, or by the Administration.

Assists clients in the preparation of technical materials designed to educate or inform the public.

Occasional travel to participate in technical conferences and interact with the technical community.

Other duties as assigned.

MINIMUM REQUIREMENTS:

Bachelor's degree in engineering required (chemical engineering, mechanical engineering, or similar engineering degree). 7 years' experience with a bachelor's degree or 5 years' experience with a Master's degree required.

Familiar with IEDO programs and relevant technical topics specifically Cross Sector Technologies / Industrial Process Heating R&D portfolio (refer EERE / IEDO programs website).

Experience in product development or application engineering in industrial furnaces, thermal processing equipment (e.g., heat exchangers, combustion equipment); research into operations or new technologies, equipment development and engineering for thermal processing units; industrial process engineering; and analysis of unit operations for improving thermal efficiency.

Excellent communication skills, including strong technical writing skills and an ability to tailor written and verbal communications for technical and non-technical audiences.

A strong interest in pursuing work in the area of manufacturing, industrial sector decarbonization, and the clean energy transition.

Proficient in Microsoft Office; advanced analytical and Excel skills.

Demonstrated ability to excel when working on self-managed tasks and as a member of a team.

Strong analytical, problem-solving, and decision-making capabilities.

Ability to balance multiple long- and short-term projects and competing priorities.

Must be eligible to obtain and maintain a security or clearance badge.

PREFERRED REQUIREMENTS:

Located in the Washington DC area.

Candidates with experience in industrial settings strongly encouraged to apply.

Experience with decarbonization of process heating.

Strong ability/interest in making connections and building collaborations.

Knowledge of energy efficiency or energy management systems in industrial or commercial facilities.

Experience with complex enterprise architectures and securing complex enterprise architectures is preferred.

Master's or PhD degrees in science and engineering degrees are a plus, but not required.

Candidates with years of experience greater than the minimum are also encouraged to apply.

Experience in government consulting, supporting government organizations, public-private partnerships, or stakeholder engagement.

Proficient in running web meeting platforms, e.g., Teams, Zoom, GoToMeeting, WebEx.

Technical publications in the field of thermal processing or thermal energy management.

The selected applicant will be subject to a background check and drug testing. Sponsorship is not available for this role at this time.

Compensation Range

\$91,100.00 - \$136,700.00

Currency

USD

Type

Salary

Any offered salary is determined based on internal equity, internal salary ranges, market data/ranges, applicant's skills and prior relevant experience, certain degrees and certifications (e.g. JD/technology), for example.

Additional Job Description

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