

Senior Chemical or Mechanical Engineer

Job Description: Leonardo Technologies Incorporated (LTI) is seeking a full time Chemical or Mechanical Engineer with fossil energy research or related industry experience. This is a full-time, senior level position located at a Federal government facility in Germantown, Maryland. The individual is responsible for developing and implementing engineering research plans and coordinating public outreach activities concerning the development of cleaner, more affordable power from American coal.

Requirements:

The Chemical/Mechanical Engineer will support Federal government clean energy programs in coal and advanced clean energy systems. Primary duties include collaboration with engineering staff assigned to clean energy technology programs. Responsibilities include contributions to advanced research studies (monitoring and reporting, proposal review and identification of research needs); the advancement of process design tools; and participation in staff meetings, technical and outreach program development and budget planning.

Knowledge, Skills & Experience: We are seeking an experienced and proactive engineer with a proven background in at least one of the following technical areas: innovations for existing plants (IEP) with emphasis retrofitting plants for carbon capture and storage (CCS), advanced integrated gasification combined cycle (IGCC), advanced turbines, fuel cells, and advanced research. The successful candidate must be informed and conversant on issues and topics, such as power plant efficiency and improvements, environmental performance, carbon dioxide sequestration and capture, energy security, and commercialization.

Knowledge of process flow sheet simulation, process design, plant simulation software (HYSIS, ASPEN, ChemCAD, Pro-II, GC tool, etc.), development of preliminary process flow diagrams, and system performance estimates for planned studies and budgets a plus. Experience with project planning including budget and schedule management and excellent oral and written communication skills are essential.

An advanced degree (Master or Doctorate) in chemical or mechanical engineering with a minimum of 5 years experience or the equivalent is required.

Comments: Salary is commensurate with education and experience. LTI offers a competitive salary and benefits package. If selected, candidate must have ability to undergo a US government security investigation and obtain a security clearance. United States citizenship is required. College/university transcripts should be made available upon request.