

The posting lists 5 - 10 years experience, but we are at the point of taking a new graduate. It is an excellent opportunity to learn everything from steel to copper to nickel based alloys and from large forgings (200+ tons!) to failure analysis, fracture mechanics and non-destructive testing.

[http://hotjobs.yahoo.com/jobseeker/jobsearch/job\\_detail.html;\\_ylt=AiT29..JBOcFgbVeoC7zEk7D6Q6IX?job\\_id=JEARDQ9UE](http://hotjobs.yahoo.com/jobseeker/jobsearch/job_detail.html;_ylt=AiT29..JBOcFgbVeoC7zEk7D6Q6IX?job_id=JEARDQ9UE)

Specific Requirements:

- 1 Provide day to day support of Manufacturing Operations with materials expertise.
- 2 Perform supplier qualification work for metal products used in the factories.
- 3 Perform analysis of components that have failed in service or during processing to determine the cause and develop corrective actions.
- 4 Participate in product design programs to assure that the product meets design requirements.
- 5 Provide input to product development programs.

It is desirable to have:

- 1 Knowledge of materials used in construction of Power Generation equipment (properties, characteristics and capabilities). This includes carbon steels, low alloy steels, stainless steels, coppers, and aluminum.
- 2 Knowledge of processes used in the production of metals and their use in manufacturing of Power Generation equipment.
- 3 Knowledge of metal joining process (welding, brazing, soldering).
- 4 It is necessary to be able to communicate effectively with customers, suppliers, manufacturing, and field personnel including the ability to write clear instructions, specification, and reports.
- 5 Must be organized, able to work independently, and self directed.
- 6 It is a plus to have training in Failure Analysis, Non-Destructive Examination, and organized problem solving (Keptner-Trego and Fault Tree Analysis).

<http://www.powergeneration.siemens.com/en/index.cfm>