

## SENIOR METALLURGICAL ENGINEER

My client is a global leader in the world of power generation and sets the benchmark for innovative and environmentally friendly technologies. The company designs, manufactures and supplies state-of-the-art products and systems to the power generation and industrial markets and has an immediate opportunity for a qualified Metallurgical Engineer with their Materials Technology Center (MTC) at their Chattanooga, Tennessee facility.

The Senior Metallurgical Engineer will be responsible for providing technical direction and contributions to a broad range of metallurgical activities including material selection, high temperature material behavior, effects of service environments, failure analysis, remaining life estimates. This position will focus on failure analysis and condition assessment of power generation equipment, particularly boiler components including pressure parts, structural steel and ductwork, as well as associated auxiliary systems. This requires a thorough understanding of the metallurgy and failure mechanisms of the materials used in boilers and other power generation equipment. Specifically, candidates should demonstrate detailed knowledge of metallurgy and fabrication processes associated with metals typically used in boiler construction including carbon steels, low alloy ferritic steels, creep strength enhanced ferritic steels and stainless steels. This must be accompanied by a thorough knowledge of degradation and failure mechanisms including ageing, fatigue, creep and corrosion. A working knowledge of the materials requirements of ASTM and ASME standards, particularly the boiler and pressure vessel code would be advantageous, as would direct experience of boiler tube failure investigation.

The Senior Metallurgical Engineer will be expected to define and supervise projects to completion, develop technical reports and presentations, interact with engineering groups within my client as well as industry teams and external customers. Assigned tasks will be executed with limited supervision and some travel (domestic and international) will be required.

The successful candidate will likely hold an advanced degree in Metallurgical Engineering or equivalent. Materials Engineers or Mechanical Engineers with a relevant background will also be considered, with a minimum of five years experience in related field or equivalent. Demonstrated expertise in directing materials investigations and failure analysis is required. Knowledge of the issues related to materials and operation of critical boiler and turbine components is required. Must demonstrate strong verbal and written communications skills, and the ability to work within and lead diverse, multifunctional teams. My client offers an excellent compensation and benefits package.

Nicholas Meyler  
GM/President, Technology  
Wingate Dunross Associates, Inc.  
28632 Roadside Dr. #203  
Agoura Hills, CA 91301