

## **Engineer, Thin-Film Coatings**

Adranos is a company focused on energetic materials innovation, including the development of ALITEC, the highest-performing solid rocket fuel in the world. ALITEC dramatically increases the range and payload capacity of various launch systems, including missiles, hypersonics, space launch platforms, and various other systems utilizing solid propellant.

Adranos is seeking an Engineer, Thin-Film Coatings to support its metal powder fuel research, development, and production efforts. This position will support R&D activities in materials processing and characterization for advanced coatings and thin-film fabrication.

### **Primary Duties and Responsibilities:**

- Conduct experiments and produce thin-film coating materials using CVD, PVD, DLC, ALD, and/or other similar methods.
- Obtain and analyze thin-film data using a variety of characterization techniques such as profilometry, optical or electron microscopy, spectroscopy, and/or X-ray diffraction.
- Document findings and implemented solutions. May be required to make brief technical presentations.
- Promote a high level of safety awareness and continuous improvement in safety practices.
- Contribute to project milestone completion and provide solutions to problems of limited complexity using standard techniques and methodologies.
- Perform other duties as assigned.

### **Qualifications:**

- Bachelor's and/or Master's degree in Chemical, Materials Science, Metallurgical Engineering, or related fields.
- At least 2 years of relevant industry experience
- Experience with ALD, DLC, PVD, CVD, and/or other thin-film deposition methods
- Fundamental knowledge of material properties and various coating attributes.
- Ability to obtain and maintain security clearance, which requires U.S. Citizenship.
- Fully vaccinated from COVID-19

### **Other Valued Attributes:**

- Experience with the development of improved corrosion/oxidization resistant thin film coatings
- Experience in the aerospace and defense industries
- Familiarity with safe handling of metal powders