

PV Inks Development Group: Materials Engineer – (IE_E9)

PURPOSE:	<p>Responsible for the design, fabrication and operation of dedicated systems for the synthesis of new powder-base nanomaterials.</p> <p>The Materials Engineer will be responsible for development of new systems, including scale-up, and will be responsible for development of new powder materials produced with these systems.</p> <p>In support of material development, the Materials Engineer will also determine appropriate characterization methods for these materials, conduct testing, and analyze results of this testing to determine whether the synthetic objectives were met.</p> <p>Expected to work closely with other members of the PV Inks Development Group to meet these objectives and to support the Device Development Group by developing new materials for photovoltaic applications.</p>
LEVEL:	Engineer
REQUIREMENTS:	<p>M.S. or Ph.D. degree in Materials Science, Chemical Engineering, Chemistry, or similar appropriate technical discipline.</p> <p>Must have 4 years of industrial experience as an engineer in a project-oriented environment.</p> <p>Solid knowledge of gas handling systems, flow control, vacuum systems, and related mechanical design.</p> <p>Preference will be given to candidates with experience in design of gas-phase synthesis of thin films.</p> <p>Experience with LabView is highly desirable.</p> <p>Experience with standard CAD software (AutoCAD, etc.) is preferred.</p> <p>Some travel may be required.</p> <p>Requires excellent communication skills, written and verbal.</p> <p>Must demonstrate initiative, be detail-oriented and have strong follow-up skills.</p> <p>Must display positive attitude and ability to quickly react to changing business demands, aggressive deadlines, and demanding hours in a fast paced environment.</p>
RELOCATION:	Competitive relocation packages are offered for highly qualified candidates