

540339 - Systems Engineer

**Location:** United States - Malvern - Pennsylvania  
**Function:** Research and Development (SG Class: 02)  
**Desired Start Date:** As Soon as possible  
**Type:** Regular - Full-Time  
**Posting Date:** 03/03/2017  
**Travel Percentage:** Up to 50%



Through the responsible development of innovative and sustainable building products, CertainTeed, headquartered in Malvern, Pennsylvania, has helped shape the building products industry for more than 110 years. Founded in 1904 as General Roofing Manufacturing Company, the firm's slogan "Quality Made *Certain*, Satisfaction *Guaranteed*," quickly inspired the name CertainTeed. Today, CertainTeed® is North America's leading brand of exterior and interior building products, including roofing, siding, fence, decking, railing, trim, insulation, gypsum and ceilings.

A subsidiary of Saint-Gobain, one of the world's largest and oldest building products companies, CertainTeed and its affiliates have more than 5,700 employees and more than 60 manufacturing facilities throughout the United States and Canada. The group had total sales of approximately \$3.3 billion in 2015. [www.certainteed.com](http://www.certainteed.com)

Position description

<b><u>POSITION SUMMARY</u></b>
<p>The Systems Engineer will support the Systems Innovation Manager. Major objectives of the Product and Systems Innovation Manager are 1) to provide expert levels of technical leadership on; product formulation/composition as it relates to performance testing and manufacturing specifications for products to comply with various code bodies 2) to lead third-party testing in areas of code compliance such as acoustic and fire to ensure product and system fitness for use 3) to provide input on opportunities for system innovation, integrating CertainTeed products to provide differentiation and increased customer value 4) to assist with job-site investigation and third-party testing in areas of product compliance to ensure product and system fitness for use. Specific duties and responsibilities as outlined below.</p>
<b><u>ESSENTIAL DUTIES</u></b>
<ul style="list-style-type: none"> <li>• Reports directly to Systems Innovation Manager.</li> <li>• Safely and successfully executes projects and communicates progress and results through accompanying reports, presentations, etc.</li> <li>• Identifies system based opportunities that could benefit from innovative solutions and work with R&amp;D, Operations, and Technical teams to develop solutions.</li> <li>• Works with Northborough Research &amp; Development Center (NRDC), and other R&amp;D resources within Saint-Gobain (SG) to identify and develop practical concepts</li> <li>• Provides technical support and assistance for trials, commissioning and troubleshooting of new products.</li> <li>• Prepares trial plans and supports or leads manufacturing trials.</li> <li>• Responsible for developing and presenting project progress to all levels of the organization.</li> <li>• Develops and encourages innovation and Intellectual Property (IP) development and fosters IP development through the patent process with legal support</li> </ul>
<b><u>OTHER DUTIES AND RESPONSIBILITIES</u></b>
<ul style="list-style-type: none"> <li>• Training for Sales and other internal functions on gypsum systems as they relate to fire, mechanical and acoustic performance</li> <li>• Participate and support regulatory activity (ASTM, GA etc)</li> </ul>

Profile description

<p><b><u>MINIMUM KNOWLEDGE AND SKILLS REQUIRED</u></b></p> <ul style="list-style-type: none"> <li>• Bachelor's Degree in Engineering or Science.</li> <li>• Three to five (2-5) years of applied professional experience in manufacturing technical position.</li> <li>• Understanding and proficient execution of project management.</li> <li>• Familiar with interpreting analytical methods, using advanced statistical tools and design of experiment.</li> <li>• Inquisitive, open-minded team player with excellent written and verbal communication skills.</li> <li>• Excellent interpersonal and problem solving capabilities and ability to work independently on assigned tasks.</li> </ul>
<p><b><u>PREFERRED OR DESIRED QUALIFICATIONS</u></b></p> <ul style="list-style-type: none"> <li>• Specific knowledge of fire and acoustic systems testing and development is preferred.</li> <li>• Experience in gypsum chemistry and manufacturing process.</li> </ul>
<p><b><u>FISCAL RESPONSIBILITY</u></b></p> <ul style="list-style-type: none"> <li>• Responsible for managing expenditures within approved budgets.</li> </ul>
<p><b><u>SUPERVISORY RESPONSIBILITY</u></b></p> <p>None</p>
<p><b><u>WORKING CONDITIONS</u></b></p> <p>Works in a blend of office, R&amp;D and manufacturing plant environment and travel required 40% to 60% of time by airplanes and rental cars. Travel will be across the US and Canada and other international destinations. When working in manufacturing environment there may be limited HVAC, concrete floors, and exposure to industrial noise, dust, chemicals and temperature changes.</p>
<p><b><u>PHYSICAL DEMANDS</u></b></p> <p>Job may include long periods of sitting, walking, standing, working on a computer or engaging in telephone conversation. Must be capable of wearing personal protective equipment necessary to comply with government and company safety standards whenever engineered methods of reducing hazards or physical requirements cannot be reasonably accommodated and may require some tasks that include walking, bending, twisting, gripping, stair and ladder climbing, entering confined spaces, navigating rough terrain and occasional lifting of up to 30 lbs.</p>

*Equal Opportunity/Affirmative Action Employer M/F/Disabled/Veteran*

**For further information**

Hiring Manager: Peter MAYER  
 HR Contact: Joel Wiley

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