Technical Assistance Request

Team: Quick Mount
Project Name: Solar Clamp

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We are developing a solar module mounting system that can be safely and quickly installed on a window or parapet wall in a non-invasive and temporary way. There are three primary challenges we are facing, which a national lab, private facility, or member of the American-Made Network could help us address. First, we will need support in adapting our final prototype design to be manufactured at scale. Second, we will require testing facilities and expertise to ensure our product is safe and code compliant. Finally, business development support will also be an incredible benefit for us as we move through the competition.

Design for Manufacturing

While our team has a wealth of experience with prototyping and producing high quality products, we would love the opportunity to learn from the experts within the network about the best practices for designing for large scale manufacturing.

Testing

A critical aspect of this project, that the American Made Network can help with, will be testing our product. Durability and stress testing the mounting system to accurately identify the weight it can support and the wind conditions it can safely handle is very important. Because we are marketing our product as an emergency device, it must be tested for durability and confirm that it is in line with all applicable regulations. We want our product to ultimately receive UL certification and would like support in navigating that process.

Image: An early prototype of the Solar Clamp with 50 watt PV module.

Business Development

Business Development support, especially around distributing our product and developing partnerships with existing companies, will also be very helpful. Because we are developing a PV mounting system, there is huge potential for partnerships with PV manufacturers and for our product to be bundled with other components in to consumer friendly kits.