

Technical Assistance Request

Project: Cost-Effective Distributed Generation

Quest Renewables presents the TinyTruss™ System: a repeatable and transportable modular solar carport structure that is assembled by unit (a single completed truss) in a controlled setting, and then delivered to the customer's site via flatbed truck.

In order to finalize our design and successfully develop a prototype, various tests must be conducted to assess the system's durability: wind, pressure/loading, time-to-build analysis. As with any large-scale PV system, the biggest challenge involves finding a way to validate the system's durability as a whole, rather than each individual part or connection. Through the American-Made Network and the Ready! Phase of the AMSP Round III Contest, we look for experts in wind, pressure/loading, and constructability, who can advise us or help us conduct tests that will be widely accepted in the market.

We will utilize the American Made Network to connect with other experts in the solar PV industry, PV manufacturing industry, investors, partners, or advisors. We seek access to capital to offset the initial cost of procuring the testing equipment as well as the tooling components required for manufacturing of the system's unique parts.