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| **Provider:** | Strongwell | **Length:** | 1 hour |
| **Program #:** | SW1020GIRT | **Credits:** | 1 LU / HSW hour |
| **Program:** | Introduction to Pultruded FRP Façade Attachment Systems | **HSW:** | Yes |

**Description:** In this session, Architects, Engineers, and Designers who work with exterior cladding systems will receive an introduction to pultruded fiber-reinforced polymer (FRP) composites and their characteristics as structural building materials. Using this information, session participants will be able to demonstrate how FRP girts can be used for a cladding support structure and simultaneously create a thermally efficient wall. Participants will be able to define continuous insulation (CI) systems per ASHRAE 90.1 and differentiate FRP CI systems vs. traditional steel girt systems. Finally, participants will be able to obtain the necessary design resources to integrate FRP CI systems in future projects.

**Learning Objectives:** Once completing this course, participants will be able to:

* describe the beneficial characteristics of pultruded fiber-reinforced polymer (FRP) composites used as building materials, including how this will impact the user’s experience living/working in the building.
* identify the relevant codes and standards that apply when using FRP as a building material and discuss their application in common architectural designs.
* demonstrate how FRP girts can be used for a cladding support structure and simultaneously create a thermally efficient wall, and specifically address how this benefits occupants of the building.
* obtain and utilize the necessary design resources to integrate FRP CI systems in future projects to foster increased efficiency and longevity of structures for building owners and occupants.

**Facilitator Qualifications:** All Strongwell CES facilitators / lecturers have extensive knowledge of the building technologies and materials discussed, and are considered building façade industry experts. They have also received general training on CES guidelines and presentation skills.

**Method of Delivery:** The instructor utilizes a non-promotional PowerPoint presentation, case studies, and videos, to provide an in-depth overview of the topics under discussion. This is an interactive course encouraging participant input. Active cooperation and exchange of ideas is promoted through the use of relevant supportive materials, including samples.

**A/V Needs:** Electrical power and screen and/or projector may be required; please coordinate specific A/V equipment requirements with the instructor.

**Target Audience:** Architects, specifiers, facility managers, building owners, and other building and design professionals. Audience size depends on the available facilities and can be 15-60 people. This program is of intermediate educational level, and meets the needs of building professionals with various levels of expertise.

**Cost:** This program is sponsored by Strongwell; there is no cost of attendance.