“EFFECTIVE DAYLIGHTING STRATEGIES”
Course # AIA PPC-Day-103; (1) learning unit - HSW; Provider #40107463 - Powers Products Co.

The delivery of natural light is one of the most important factors in the design of a building. When implemented thoughtfully, daylight can provide ambient and accent light in a space and meet the biophilic needs of the occupants. This program will explore a variety of projects which deploy windows, translucent walls, skylights and tubular daylighting devices to successfully daylight today’s architecture.

Learning Objectives:
- Examine why daylight in the built environment is vital to its occupant’s health and wellness
- Understand the optimum quantity and quality of daylight needed, and how it can be strategically applied as a design element in a building
- Review the challenges and strengths of windows, skylights, sky roofs and tubular daylighting devices for delivering daylight
- Explore successful daylighting systems in a variety of architectural spaces

“INSPIRING APPLICATIONS of TUBULAR DAYLIGHTING DEVICES”
Course # STI 106 2019; (1) learning unit - HSW; Provider #J844 - Solatube International, Inc.

This session will study inspiring applications of Tubular Daylighting Devices (TDDs) around the world that deliver natural light into unique spaces and/or create visually appealing natural lighting to complement an overall design. By merging both form and function, architects can create inspiring environments that also meet the health, safety, welfare as well as sustainability goals for the building.

Learning Objectives:
- Understand how TDDs can be used as an effective daylighting strategy differently than windows and skylights
- Discover the role TDDs can play with health, safety, and welfare of building occupants
- Review how TDDs can be used as a daylighting strategy for sustainability and energy efficiency initiatives
- Explore how TDDs can be implemented in inspiring and innovative ways with both design and functional objectives being met
“OPEN, FLEXIBLE and SAFE PK12 LEARNING ENVIRONMENTS”
Course # AIA PPC-PK12-101; (1) learning unit - HSW; Provider #40107463 - Powers Products Co.

This session will explore how PK12 schools are emphasizing openness and flexibility as a means of supporting the current learning styles and wellness of students and staff. We will review how architects and school districts are balancing an open, transparent and flexible building design with school safety. Lastly, a series of case studies will be used to demonstrate the latest design concepts being implemented to achieve a successful learning environment.

Learning Objectives:
• Study how architects are creating open, vibrant and comfortable learning spaces using daylight, views, atriums, operable walls and exterior openings
• Examine various technologies and design solutions for providing maximum flexibility and acoustical separation in learning spaces
• Learn how designers and school districts are implementing the latest safety practices while still achieving open and inviting buildings
• Through case studies, we will take an in-depth look at innovative design solutions which support the latest PK12 needs

“TRANSLUCENT PANELS for DAYLIGHTING and SUSTAINABLE DESIGN”
Course # PPC TBD; (1) learning unit - HSW; Provider #40107463 - Powers Products Co.

Topics discussed include the origins of translucent daylighting with the structural sandwich panel, considerations in design, enhancement of daylighting techniques, real energy conservation, the eight systems, and opportunities offered in contrast, design, form and aesthetics. The benefits of diffused natural daylighting on performance, health, productivity, safety and sustainable design are emphasized. Specialty performance systems including explosion venting, blast resistant, hurricane impact and OSHA fall through protection is included.

Learning Objectives:
• Explore the advantages and benefits of diffused daylighting, in terms of health, safety and security
• Examine how insulated translucent panels can impact sustainable design and energy conservation
• Demonstrate how structural sandwich panel systems are being creatively deployed through skylights, wall systems, skyroofs and canopies
• Review the unique engineering and science behind composite translucent sandwich panel technology
“INTRODUCTION TO TUBULAR DAYLIGHTING DEVICES”
Course # AIA STI02S; GBCI Program # 0920003253(1) learning unit - HSW; Provider #J844 - Solatube International, Inc.

Description: Learn about the latest advanced optical daylighting technology and a new product category – the Tubular Daylighting Device (TDD) that makes daylighting a space as easy as applying traditional lighting equipment. After a brief overview of typical daylighting strategies and key energy- and human performance-based reasons for daylighting today’s buildings, the audience is introduced to the three technology zones that are common to every TDD. Commercially available component-technologies are compared and contrasted, allowing the designer to make informed decisions when choosing the appropriate TDD technology for their application.

Learning Objectives:
• Understand why daylight is so important and identify the reasons for using daylight in commercial environments.
• Identify the available Daylighting Strategies and identify their advantages and disadvantages.
• Be able to describe the three technology zones that make up Tubular Daylighting Devices (TDDs.)
• Be able to list the tools and resources available to help incorporate TDDs into projects.

TECH TALKS – FEATURED in 2020

“TUBULAR DAYLIGHTING DEVICES (TDDS) – MAKING SENSE of the PARTS and PIECES” (SOLATUBE)
Gain an in-depth understanding of a typical TDD’s components and functionality by dissecting the system’s capture, transfer and delivery zones. We will also review which TDD size is most appropriate for various project types.

“WALLS of DAYLIGHT - VERTICAL TRANSLUCENT PANEL INSTALLATION DETAILS” (KALWALL)
Gain a deep understanding of Kalwall translucent fiberglass panel system technology, including what spans are possible, design ideas and mounting details, and creative design concepts.

POWERS PRODUCTS SOUTHWEST - OVERVIEW

“POWERS PRODUCTS SOUTHWEST OFFERING”
Review Powers Products services and our daylighting product offering. Approximately a 20-30 minute, informal presentation.