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AIA/CES - NEW FOR 2019



“OPA100 – Automated Partition Systems”

Course # AIA OPA100; (1) learning unit - HSW; Provider #H128- Modernfold, Inc.

Description: This program reviews the benefits of space division and flexibility. It will start by discussing the evolution of the operable wall and the benefits and challenges. It will cover types of automated walls and their features and benefits. The program will address how these elements work together and impact the environment in terms of health, safety and welfare.

Learning Objectives:

- After completing this program, participants will understand the evolution of operable wall products and their relevance. They will be able to identify various automated movable wall options including acoustics, integration, space management and address the safety features and benefits of utilizing automated movable wall systems.

“Introduction to Tubular Daylighting Devices”

Course # AIA STI025; 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. NEW PRODUCTS FOR COMMERCIAL APPLICATIONS THAT DIM THE LIGHT IN 5 SECONDS IF NEEDED.

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.

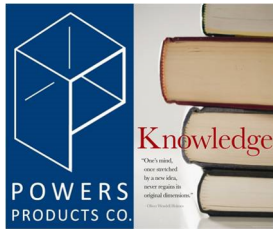
“Successful Daylighting for Wellness and Sustainable Design”

Course # AIA STI035; GBCI Program #: 0090005620; (1) learning unit - HSW; Provider #J844 - Solatube International, Inc.

Description: There are many factors to take into account when using natural daylight inside a building. When design and construction are done well, the occupants will likely be healthier and happier. Daylight plays a really important role in that. It keeps people energized and connected with one another. If not done well, the daylight could be problematic. It is important to make decisions considering these options.

Learning Objectives:

- Explain the important factors to be considered when daylighting an interior space.
- Describe how TDDs contribute to sustainable design goals.
- Understand the resources available to assist in design decisions.
- List sustainable projects that have successfully utilized TDDs.



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“SUCCESSFUL WORKPLACE DESIGN – ENGAGING A MULTI-GENERATIONAL WORKFORCE”

Course # AIAPPC-SWD100; (1) Learning unit - HSW; Provider #40107463 - Powers Products Co.

This presentation will help designers understand important demographic trends and put this knowledge to use to create spaces that attract, engage, and retain a healthy, productive, and motivated workforce.

Learning Objectives:

- Designing spaces to attract and retain across a multi-generational workforce.
- Working well, examples of biophilic design and its positive impact on worker health.
- Acoustical considerations and the need to strike a balance between private and collaborative environments.
- Developing community through collaborative, flexible spaces.

“EVOLUTION OF HIGHER ED LEARNING AND LIVING SPACES”

Course # AIAPPC-HE100; (1) Learning unit - HSW; Provider #40107463 - Powers Products Co.

This course will examine how higher education institutions are differentiating themselves in the competition for students and faculty through the creation of inspiring living-learning environments.

Learning Objectives:

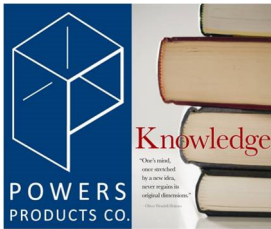
- The impact of architecture in creating a campus experience that attracts and retains students and faculty.
- Designing inspirational Living-Learning communities.
- Fostering community and collaboration through creative design.
- Emphasizing sustainability and building longevity for occupant wellness and life cycle cost savings.

“MODERN LEARNING ENVIRONMENTS”

Course # AIAPPCED100; (1) learning unit - HSW; Provider #40107463 - Powers Products Co.

Learning Objectives:

- Examine trends impacting designs for modern educational facilities including:
 - 1) External threats and lessons learned from Sandy Hook
 - 2) Creating safe environments that reduce the likelihood of bullying
 - 3) Supporting different learning styles and curriculums through flexibility, visibility, collaboration and biophilic design
 - 4) Local market realities such as fast-tracking and cost escalation
 - 5) IECC energy code requirements and the desire to create spaces that promote wellness for students and teachers alike.
- Through case studies, demonstrate how differing design approaches have been used to address these trends while simultaneously producing distinctive, award-winning architecture.
- Throughout the above, provide an understanding of the productivity and wellness benefits enjoyed by students and teachers in modern, efficient learning environments featuring abundant daylight, transparency, and flexibility.



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“CREATIVE DAYLIGHTING AND SUSTAINABLE DESIGN”

Course # PPCDAY102; (1) learning unit - HSW; Provider #40107463 - Powers Products Co.

Learning Objectives:

- Explore the advantages and benefits of daylighting, in terms of health, safety and security
- Examine how thoughtful daylight delivery can impact sustainable design and energy conservation
- Demonstrate how daylighting systems are being creatively deployed in architecture
- Review the engineering and science behind a successful daylighting system

“OPEN DESIGN and BUILDING CODE COMPLIANCE”

Course # AIAPPCF+S100; (1) learning unit - HSW; Provider #40107463 - Powers Products Co.

Learning Objectives:

- Review IBC requirements related to fire and smoke protection for openings within Fire Walls and Fire Barrier Walls
- Introduce innovative strategies utilizing fire and smoke-rated fabric curtains and coiling/sliding steel door systems to achieve open plan designs while meeting the above-referenced code requirements.
- Utilizing case studies, examine the challenges often encountered when designing for fire and smoke-rated opening protectives and demonstrate the flexibility afforded through the use of advanced curtain and door systems to overcome these obstacles.
- Examine how the use of wide-span opening protectives can promote daylighting, save energy, and help to achieve other sustainable design objectives.

“ARCHITECTURAL VERTICAL OPENING SOLUTIONS”

Course # AIA IRD08B; GBCI Course ID: 0920010263 (1) learning unit - HSW; Provider – Renlita Custom Opening Solutions

Learning Objectives:

- Compare and contrast vertical operating systems and discuss their components and safety features
- Explain how vertical operating systems interact with the building structure
- Identify how counterweight balance systems benefit users and occupants both in terms of ease of operability and contributions to the indoor environment
- Describe how vertical operating systems contribute to a sustainable design and LEED certification