

HalfMoon Education Live Continuing Education Webinars

Designing and Constructing a Net Zero Energy Home

Online - Wednesday, November 30, 2022 | 8:30 am - 4:30 pm CST

Credits:

Professional Engineers: 6.5 PDHs

Architects: 6.5 HSW CE Hours AIA: 6.5 LU|HSW

International Code Council: .65 CEUs (Energy)

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AIA
Continuing
Education
Provider



PREFERRED
EDUCATION
PROVIDER

Residential Energy Efficiency Requirements

Reviewing ANSI/ASHRAE/IES 90.1 and the residential provisions of the International Energy Conservation Code (IECC)

Zero Code and stretch codes

To seek (or not to seek) sustainable certifications

Helpful resources

Software for energy modeling and energy-efficient design

Introduction to Project: Net Zero Energy Home

Client request

Proposed site

Sizing, orientation and preliminary plans

Workshop: Designing an Energy-Efficient Envelope

R-values and U-factor alternatives

Foundation, roof and exterior walls

Thermal and vapor barriers

Workshop: Choosing Windows and Doors

R-values and U-factor alternatives

Prescriptive fenestration

Energy modeling and testing

Workshop: Designing Heating and Cooling Systems

Control systems

Ductwork insulation and sealing

Service hot water systems

Mechanical ventilation systems

Workshop: Electrical, Power, Lighting and Renewable Energy Systems

Power systems

Lighting systems

Adding solar thermal or solar photovoltaic energy systems

Presented by

Daniel A. Huard *Co-Founder and Principal of Humann Building Solutions, LLC in Las Vegas, NV*

Mr. Huard received a Mechanical Engineering degree from Niagara College and Bachelor and Master of Architecture and Master of Urban Planning degrees from SUNY at Buffalo. He holds multiple professional accreditations including LEED AP O+M as well as LEED AP BD+C from Green Business Certification Inc. He was elevated to LEED Fellow in 2017 and additionally is a WELL Faculty member. Mr. Huard's professional expertise has contributed to numerous domestic and international high performance building, sustainable and restorative development projects, as well as international events including Greenbuild, WaterBuild, Global Health & Wellness Summit, Living Future unConference, WaterSmart Innovations, Advanced Energy Conference, Energy Management Congress, CAPAC and G2E to name a few. Humann Building Solutions focuses on all aspects of green building and development globally including professional program and project management, construction management, green building consulting, ASHRAE-ANSI accredited commissioning provision, and WELL health-safety rating in addition to building certifications, operational optimization, project validation, investment-grade auditing, net-zero and net-positive systems designs and implementations.

Tuition

\$319 for individual registration

\$289 for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers and 6.5 HSW continuing education hours for licensed architects in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU/HSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Energy (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. See details online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

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www.halfmoonseminars.org

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