



Available Credits:

AIA		
LU	HSW	GBCI
1		1

Metal Roofing: The Perfect Platform for Solar Technologies

Course Description

A new metal roof installed over an existing roof, or a roof retrofit, provide the opportunity to add a photovoltaic (PV) system to a roof. This course will cover the basics of metal roofing and photovoltaics, as well as the synergy between solar technologies and metal roofing. Performance and environmental benefits, life cycle costs and retrofitting opportunities will be discussed. It's important for a building owner to consider the roof and a PV system together as a single asset, rather than as separate components of a roof. With that approach, the total cost of ownership over the life of the asset can be assessed.

Learning Objectives

1. Identify the benefits of metal roofing for design professionals and owners, as well as their positive environmental impact.
2. Discuss the features of two photovoltaic (PV) technologies, both thin-film and glazed crystalline.
3. Compare and contrast the use of photovoltaic technology on conventional roofs and metal roofs.
4. Describe the two basic applications of retrofit roofing, metal over existing flat roofs and metal over existing sloped roofs, and additional energy saving technologies that can be incorporated during a retrofit.

Dimensional Metals Inc. (DMI) sponsors this learning unit, a registered provider with the American Institute of Architects (AIA) Continuing Education Systems (CES) and GBCI. Credits earned on completion of this program will be reported to CES Records for AIA members. Certificates of Completion are available for recordkeeping and self-reporting purposes.

AIA Provider: J591
AIA Course: MCA090



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