



The American Institute of Architects (AIA)  
Continuing Education System  
USGBC Education Provider Program  
**Registered Provider Program Summary Handout**

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**Education Provider:** InfoSpec, Inc.

**Length:** 1 Hour

**AIA course number:** ICL23A

**USGBC COURSE ID:** 0090004991

**Credits:**

1 AIA/CES HSW/SD LU

**Course Title:** Thermal Energy Storage: A Vital Ingredient to a  
Low Carbon Future

1 GBCI CE hour for LEED Professionals

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### Description

Energy storage is the key to utilizing renewable energy sources such as wind and solar as these energy sources are not "on demand". This course will review alternative methods of energy storage through a discussion on utilizing "off peak" energy and through a series of case studies where energy consumption analysis reports a decrease in energy usage for heating and cooling. The course will expand upon thermal energy storage systems to illustrate one type: ice storage. Energy storage is an important part of designing net zero energy projects and reducing our demand for fossil fuel resources.

### Learning Objectives

Upon completion of this course, the design professional will be able to:

1. Describe what energy storage is.
2. List examples of different forms of energy storage.
3. Describe how energy storage works.
4. Describe why energy storage is needed to make new renewable generation sources (i.e. wind, solar) more viable.
5. Explain how thermal energy storage saves energy and money.
6. Explain how thermal storage may contribute towards a project earning LEED Certification.
7. Explain how a building designer, developer and project may qualify for tax deductions.

### Method of Delivery

The course is offered to design professionals in a lunch and learn setting. The course is presented in PowerPoint.

### Cost to Participants

There is no cost for this program. The course is sponsored by the manufacturer and therefore is offered to design professionals at no cost.

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### For More Information, Please Contact the Course Sponsor

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