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About DBR

DBR provides MEP, building commissioning, integrated technology and sustainability consulting services with a focus on energy-efficiency and building performance. Founded in 1972, DBR currently employs over 120 people and is recognized as a forward-thinking firm by proactively identifying opportunities and investing in proper planning for the future.

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GREENING & DELIVERING HIGH PERFORMANCE BUILDINGS

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Description:

Delivering and designing sustainable and high-performance buildings are becoming a norm and necessity in each project. It is not only because of code requirements but due to the benefits for the building owner and occupants over the long term. To develop sustainable and high-performance buildings, there are 3 core values that we need to implement to develop successful sustainable projects such as an integrative and collaborative approach; innovative and creative solutions; and cost and environmental impact. These core values will optimize and enhance building performance delivery and design. To implement core values, the presentation provides some case studies and examples. The implementations consist of three major steps. The first step will focus on early design impact and the second step will be during construction document and administration. The last step will discuss implementation or strategies in existing buildings.

Learning Units:

1 LU | HSW

Learning Objectives:

- Apply sustainability approaches during the design process.
- Discuss collaboration effort to achieve successful sustainable buildings.
- Implement knowledge based design in the design process.
- Differentiate simulation tools that can help to enhance building performance.