



EDDY SANTOSA

DIRECTOR OF SUSTAINABILITY

ABOUT DBR

DBR provides an alternative to traditional MEP consulting firms by providing better opportunities for our people and as a result, better expertise for our clients.

We hold ourselves accountable to preserve non-renewable resources with our ability to design innovative solutions at the leading edge of building sciences.

CONTACT

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GREENING & DELIVERING HIGH PERFORMANCE BUILDINGS

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 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.

LEARNING UNITS

1 LU | HSW

