



Contact:

Eddy Santosa
AIA, CBCP, LEED AP BD+C, BEMP
Director of Sustainability
Esantosa@dbrinc.com
713.914.0888

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.

www.dbrinc.com



LEED V4.1: IMPACTS & IMPLEMENTING LEED FOR AN OFFICE PROJECT IN HOUSTON

Eddy Santosa, AIA, CBCP, LEED® AP BD+C, BEMP
Director of Sustainability

Description:

The revised LEED V4.1 sustainability rating system, recently released by USGBC, provides a new tool for measuring sustainability achievements in building design. This presentation will discuss LEED V4.1 BD+C (Beta) and provide a comparison study with the previous version, LEED V4.0. We will discuss the new building rating system and details regarding the major upgrades in energy and atmosphere credits, highlighting the impact on building design. The new energy performance credit in LEED V4.1 will use two different metrics to measure the building such as cost and greenhouse gas emissions, as well as provide a comparison to the new ASHRAE 90.1 2016 App. G baseline. Additionally, the presentation will review a Houston project currently pursuing LEED V4.0 BD+C Core and Shell and discuss key strategies to improve building performance during the design. The project will utilize a unique approach in managing LEED certification, improving building systems, particularly the envelope system, and pursue LEED V4.1 credits as replacement credits.

Learning Units:

1 LU | HSW

Learning Objectives:

- Differentiate sustainability and energy metric measurements between LEED V4.1 BD+C and LEED V4.0 BD+C
- Understand new Energy and Atmosphere credit requirements in LEED V4.1 BD+C that can affect the building design
- Apply energy measurement strategies in envelope, lighting and HVAC to be better than LEED V4.1 BD+C baseline.
- Describe LEED V4.0 project and strategy to improve building performance applying V4.1 credits