LEED CERTIFICATION WORKBOOK FOR ECO-CHARRETTE PROCESS IMPROVEMENT AT THE BOEING COMPANY

by

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Abstract

Companies across the globe are greening their portfolios. In an effort to define green construction, the United States Green Building Coalition (USGBC) has developed Leadership in Energy and Environmental Design (LEED) Certification. LEED provides a means for measurement and accountability in sustainable design. However, the volume of information to be processed when considering a building's candidacy is daunting. The LEED Certification Workbook for Eco-Charrette Process Improvement at the Boeing Company takes on this task.

By utilizing observations from Boeing's Shared Services Group in Seal Beach, California, the designed solution meets the requirements for an effective gathering of stakeholders in the certification process. In fact, an efficiency improvement ratio of 6:1 is realized in the evaluation of buildings with the workbook as opposed to without. Also, the workbook eliminates on average \$20,000 in consultant fees incurred by the preliminary assessment of a building.

The software platform used to develop the LEED Certification Workbook is Microsoft Excel. The structure of the tool is designed to be both intuitive and powerful. Not only can the workbook save the company time, but it also serves as a project management tool with the intent of seeing a certification project through to completion. The designed solution is currently implemented throughout the Boeing Company and maintained by a team of cross-regional LEED focals.