

Carrier launches new software for LEED EA analysis

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Carrier Corp., a subsidiary of United Technologies Corp. has released version 4.40 of their E20-II Hourly Analysis Program (HAP) software.

HAP v4.40, recently showcased at the BIG 5 exhibition in Dubai last week, attracted strong interest from trade visitors.

HAP v4.40 provides significant new features making Leadership in Energy and Environmental Design Energy and Atmosphere (LEED EA) Credit 1 analysis faster and easier. Version 4.40 also greatly expands the 'wizard' automation features so energy cost performance of heating, ventilation and air conditioning (HVAC) designs can be compared more rapidly during schematic design. A 'wizard' guides the user through creation of the energy model, asking a short series of high-level questions and then automatically filling in the details with intelligent defaulting.

The innovative technology embedded in HAP streamlines the steps needed to perform a LEED EA Credit 1 analysis and allows multiple heating, ventilation, and air-conditioning (HVAC) system alternatives. The key to this productivity enhancement is tailoring the software features to the LEED EA Credit 1 analysis process. For example, the LEED EA Credit 1 summary report mimics the format of the existing online template, and new input and calculation features take into account requirements outlined by ASHRAE Standard 90.1 Appendix G.

The new wizard technology, including a new HVAC Equipment Wizard and upgraded Building Wizard features, proves useful for both LEED projects and general energy analysis. 'These wizard features can now generate input data for an energy analysis in a matter of minutes, allowing quick comparisons of multiple HVAC system alternatives in the schematic design phase of a project,' stated Larry Schaefer, software systems manager, Building Systems and Services.

'We depend on well-designed engineering software and readily available technical backup. The new version of HAP easily meets these requirements,' said Jim Reynolds, President, PSF Mechanical, Inc. of Seattle, Washington. 'The software allows us to make intelligent decisions by providing ASHRAE and LEED analysis and it is accepted by our clients, local jurisdictions and the U.S. Green Building Council as a basis for modeling and decision making.'

'HAP with wizard technology demonstrates Carrier's continued commitment to designing innovative products and tools to support the development of sustainable, high performance buildings,' stated Kelly Romano, President, Carrier Building Systems and Services.

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