

IES and Treligence

Sustainable Architectural Programming

Affinity+VE



The combination of these industry leading technologies provides unparalleled early sustainable analysis starting with the program data, without any available geometry, and continuing into the conceptual space plan and early schematic design.

Treligence Affinity™ and IES VE users benefit from the ability to analyze sustainability of a building project very early on in the process even before the design has started to be developed. Analysis can be done in two ways – IES analyses can be run within Affinity with the click of a button, or users may opt to launch IES VE and seamlessly transfer the Affinity data for more detailed analysis. Throughout this process users can integrate with their SketchUp™ or Revit® model maximizing integration and allowing critical design decisions at the earliest stage.

Integrated Analysis

Architecture teams will be able to capture program data and auto-generate conceptual floor plans and stacking diagrams in Treligence Affinity software and then run sustainable analyses using the IES VE software from within Affinity. Designers will be able to get instant feedback on climate metrics, building characteristics, energy and carbon use and heating and cooling loads:

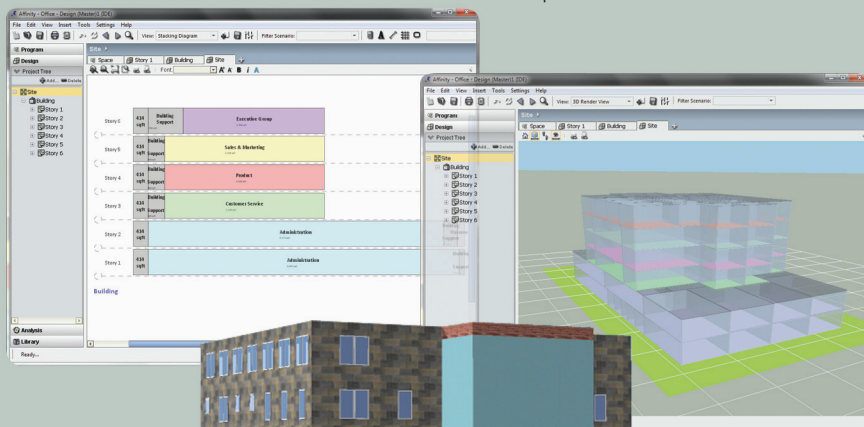
Climate Metrics: Analysis of relevant climate metrics based on local weather data for a better understanding of which sustainable design responses to focus on.

Energy/Carbon Simulation: Whole-building annual energy/carbon figures and benchmark against the 2030 Challenge using a dynamic thermal simulation at sub-hourly time-steps.

IES Climate Energy Index: A building independent rating created by IES which provides perspective on the potential the climate has to affect the energy a building will require.

Building Metrics: Visual representation of key sustainable characteristics.

Heating & Cooling Loads: Production of indicative ASHRAE building loads figures.



"Architects are becoming increasingly involved with building analysis to marry aesthetics and performance and are looking for tools and resources to aid them,"

"With this joint software package, architects will be able to run early stage analysis long before concrete designs have been made, ensuring a well-planned and truly sustainable building."

Dr. Don McLean
Founder and CEO of IES.



Affinity+VE



The Package

Choose	Affinity Desktop	or	plus	VE-Gaia
	Affinity for Revit			
Discount	> 20% off when buying Affinity+VE. > 10% off when buying single product.			
Additional Options	> Purchase VE-Navigator for LEED®. > Load into the full VE and undertake detailed building analysis.			

“The ability to run building performance analysis right from the earliest programming stages will make developing green buildings an easier and faster process.”

“Architects will now have unprecedented access to early stage building analysis direct from programming and early design tools. They will have the ability at their fingertips to be able to determine the most efficient floor-area-ratio long before a room layout is considered, for example.”

Larry Ciscon, Ph.D.
President of Trelligence.

VE-Gaia

Revolutionary Architectural Analysis

With VE-Gaia the simulation process is de-mystified in an easy to understand layout, providing the perfect entry level to key architectural analysis functions.

Architects can input and manipulate exact building data within an integrated central data model, allowing users to progress from early ballpark ‘apple to apple’ comparisons into detailed calculations, fine tuning and reportage.

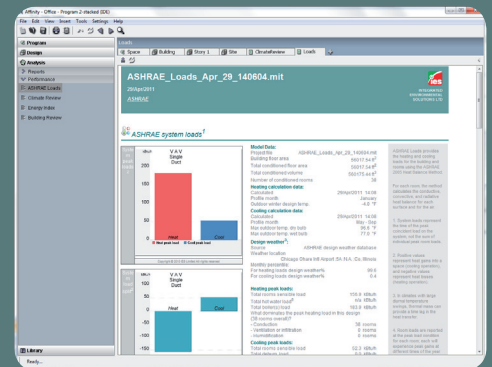
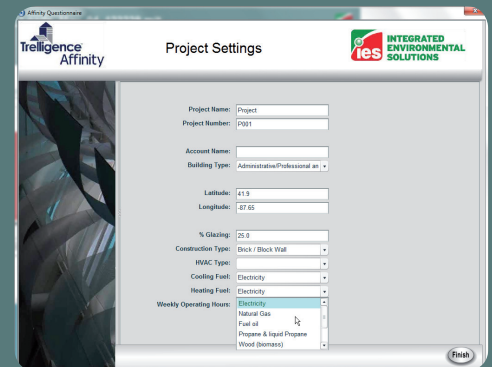
VE-Navigator for LEED

Automated LEED rating system credit assessment that covers daylighting, comfort, water and renewables across LEED NC V2.2/V3, LEED Schools V1/V3 and LEED Core and Shell V2/V3. It offers the ability to input and manipulate exact building data and produce reports suitable for use with LEED letter templates.

Trelligence Affinity

Through a combination of programming, conceptual space planning, early design, and reports & analysis functionality with bi-directional BIM integration, Affinity simplifies some of the biggest challenges and roadblocks in the project team workflow:

- > Ensuring the design meets the functional requirements set by the client
- > Managing and tracking large amounts of complex data
- > Quickly developing multiple conceptual design scenarios
- > Maintaining industry standards and consistency across projects
- > Effectively communicating with clients for early sign-off
- > Bridging the gap between data-rich programming and the detailed design in BIM tools



Trial or Purchase

Please contact IES or Trelligence to get costs, to trial the product or set up a demo.

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