

For Immediate Release

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**Cambridge's Second Generation of Solucent™ Offers
Fully Integrated, Whole Building Exterior Shading**

CAMBRIDGE, MD... Cambridge Architectural has further developed its popular Solucent™ energy-saving and daylighting mesh shading system to create an even more comprehensive version now available for building exteriors.

Solucent, the "Whole Building Exterior Shading System," features pre-packaged solutions for shading every side of a building. Each solution has been fully developed with both curtainwall integration and building energy modeling protocols in mind so that the system as a whole functions in accordance with the building's environment, effectively customizing the amount of light entering a space for daylighting and solar heat gain reduction needs.

There are four different pre-packaged products that make up Solucent's second generation – Veils, Fins, Visors and Canopies. Each product is positioned on a building exterior in a different manner. Veils are placed parallel to the building, Fins are placed perpendicular to the building, Visors are placed perpendicular to the building above windows and Canopies provide an overhead exterior shade environment. Together, all of the products combine to provide various levels of shading and views on various building facades.

Cambridge has also been working with a wide range of curtainwall manufacturers, engineers and designers to develop streamlined integration of both custom and off-the-shelf Solucent systems with building curtainwalls and other exteriors. Through this extensive analysis, the second generation of Solucent has been designed to impart the minimum amount of loading back into the curtainwall and to utilize the brackets of a wide range of curtainwall manufacturers, eliminating load issues at installation.

Another key addition to Solucent is a brand new modeling protocol developed by Cambridge for energy-simulation modeling software, based on the DOE 2.2 calculation engine. Solucent offers building modelers the inputs needed to incorporate a variety of mesh shading systems into a building's design. The result is a targeted assessment of shading and solar heat gain coefficients at a range of incident angles and direct normal as well as transmittance, reflectance and absorbance data all before any construction is underway. Cambridge has tested a variety of Solucent meshes in four different regions of the country to provide modeled energy savings.

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Cambridge/2nd Generation Solucent – Plus One – Contact: Nick Murosky 412-571-1600

“Over the past year, we’ve been committed to growing Solucent by making it more intuitive and integrated with a wide variety of situations and structures,” explains Heather Collins, director of marketing for Cambridge Architectural. “The second generation of this system is the culmination of research, product development and a passion for architecture and energy savings – there is nothing else like it.”

Solucent was originally developed by Cambridge to meet the ever-increasing sustainability needs facing architects today, but without sacrificing beauty in design. Although the Solucent system has evolved, its basic material remains the same. Architectural mesh continues to be a unique and effective shading material, and remains the core benefit of every Solucent application.

Aside from heat gain reduction resulting in energy savings and glare reduction resulting in an optimized daylighting environment, Cambridge’s Solucent system continues to boast many other sustainable properties. Mesh is readily recyclable and manufactured from recycled materials. It can be mounted to existing building structures with minimal support, it can provide airflow into a building while shading, and it has a virtually maintenance-free and indestructible lifecycle.

Cambridge Architectural is an active member of the USGBC, and helps architects take maximum advantage of LEED credit through the many categories in which architectural mesh systems apply. Cambridge has several LEED APs on staff as well as sales representatives who understand exactly how Solucent systems can contribute to a LEED certified project. Most notably, mesh can contribute to as many as four LEED points for optimized energy performance, and can help in acquiring additional points for incorporating recycled content and reducing glare into the regularly occupied areas of a building as a contribution to daylighting and views credits.

Cambridge Architectural is the world’s most experienced – and only – full-service provider of sustainable architectural mesh systems for both interior and exterior building applications. Cambridge offers full system design, engineering and collaboration from concept through installation – including highly challenging building projects, environments and budgets. Cambridge metal fabric systems are categorized by the primary application the system serves. These include: Parkade™, Solucent™, LandscapeInteriors™, MeshFX™, MeshDefense™ and Meshellaneous™. For more information about Cambridge Architectural call 1-866-806-2385 or visit www.CambridgeArchitectural.com.

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