



Architectural Facade Systems



Scan for more!



Eco-Efficient

With the smallest carbon footprint and lowest water usage during manufacturing, Solstex[®] panels are the photovoltaic (PV) industry's most eco-efficient.



LEED Compliance

Use of the Solstex[®] Facade System lessens a building's dependence on energy generated by fossil fuels and can earn up to five LEED credits.



Reliable Return / High Return

The Solstex[®] Facade System generates energy savings that will have covered the cost of installation after 10-12 years.

Efficient. Sustainable. Renewable.

With sustainable innovation, Solstex[®] powers your building using a solar-integrated facade that generates clean energy, while enhancing architectural design.



Design Flexibility

Leveraging Elemex's proprietary Unity[®] technology, Solstex[®] can be seamlessly integrated with other Elemex[®] facade systems to provide flush planes and unparalleled design flexibility.



Large Format

Solstex[®] large format panels maximize facade coverage and energy production.



Lightweight

At a standard weight of less than 3.5-5.5 lbs per square foot, the Solstex[®] Facade System is designed to make the installation as easy as possible.



Weather Resistant

Solstex[®] panels have been independently tested and certified to provide reliable performance that exceeds IEC standards in high temperature, high humidity, and extreme weather, including rain and snow.



High-Efficiency

Solstex[®] panels deliver significantly more energy than other BIPV panels, at up to 16.5 W/sq. ft.



Genentech, Oceanside, CA

Product Specifications

Composition + Materials

Solstex® Solar Panels consist of crystalline silicone technology encapsulated between 2 sheets of heat-strengthened glass, adhered to our proprietary Unity® attachment technology.

Standard Panel Size (actual face size of panel) :

- Solstex® O-Series - 39 3/8" x 67" (1000 mm x 1700 mm)
- Solstex® O-Series - 39 3/8" x 78 3/4" (1000 mm x 2000 mm)

Watts / Panel: Solstex® O-Series -
Up to 356 W (Standard Size)

Standard Measurements:



Weight: Approximately 5 lbs/sq. ft. (depending on chosen panel)

Finish: O-Series - 5/32" (4 mm) Tempered Low-Iron Glass with a Tempered Glass back.

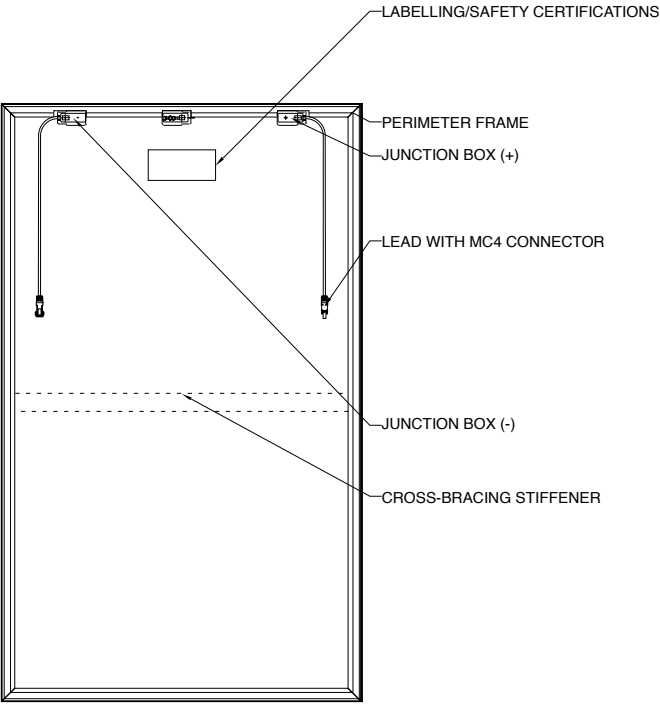
Warranty

Product Finish: 10-year panel manufacturer warranty against any defect in material or manufacture.

Materials & Workmanship: 1-year system manufacturer warranty against defects or deficiencies from date of substantial completion.

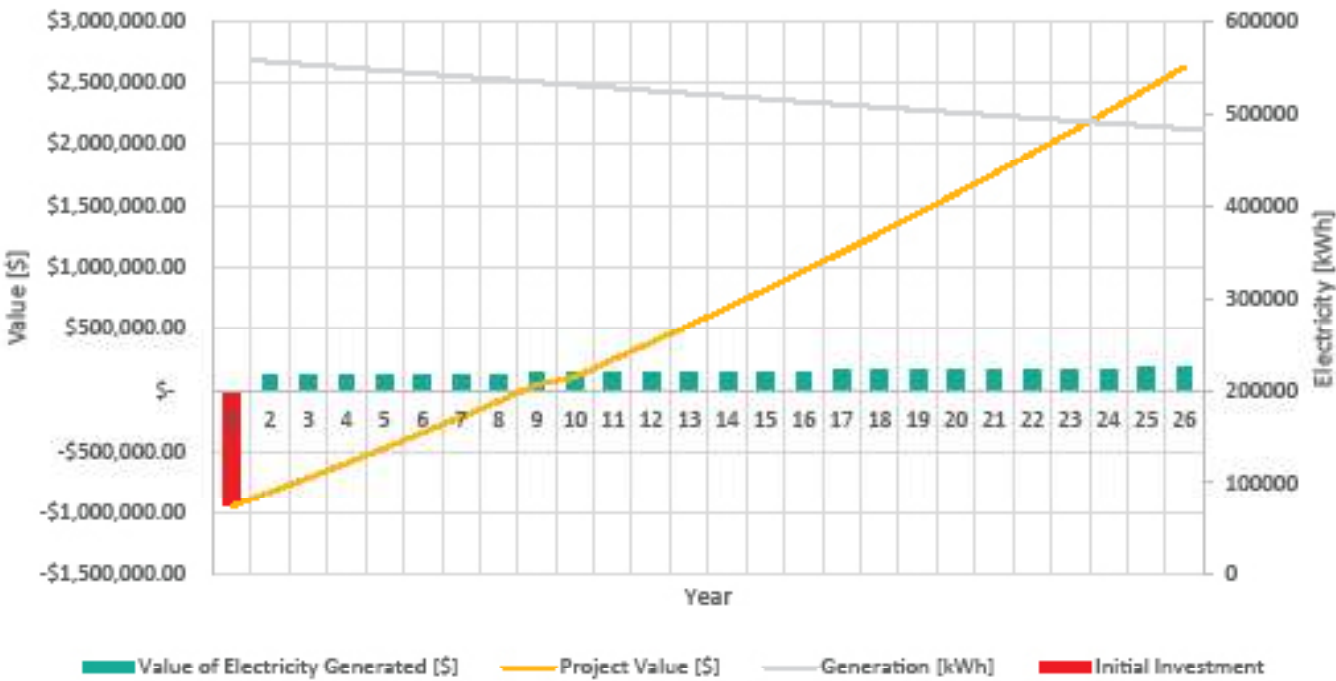
Power Production: 25-year manufacturer warranty ensuring power production is at 80% or higher after 25 years from date of electrical connection to local use, storage, or grid.

The Solstex® Solar Facade System by Elemex® is made from high-efficiency photovoltaic (PV) panels that are engineered to be weather-resistant and lightweight. Each large-format, code-compliant panel generates up to 16.5 W/sq.ft., reducing your building's dependence on fossil fuels, earning LEED credits, and generating savings that can cover installation costs within 10-12 years. They are designed to seamlessly integrate with other Elemex® products including: Ceramitex®, Stonitex® and Alumitex® facade systems.

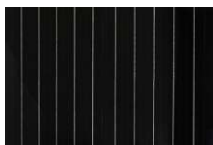


Model	Nominal Power [W]	Voltage at Pmax	Current at Pmax [I]	Efficiency [%]	Open Circuit Voltage [V]	Short Circuit Current
O-Series (1000 mm x 1700 mm)	97 - 303	32	3 - 9.5 A	6 - 18	41	3.1 - 9.8 A
O-Series (1000 mm x 2000 mm)	113 - 354	39	2.9 - 9.1 A	6 - 18	49	3 - 9.41 A

A solar facade provides on-site energy generation, giving you control over what you pay for electricity. The higher initial cost of Solstex® can be paid back in as little as 8-10 years, while providing value of up to 250% of the initial investment over the lifetime of the project.



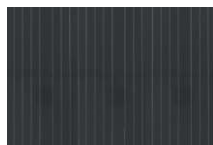
Solstex® Color Options:



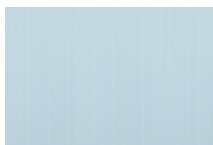
Standard Black



Standard Black
(With Acid Edge)



Anthracite



White



Polar White



Lime White



Grey



Polar Grey



Clay



Ocher



Sand



Terracotta



Corten Steel



Coral Brown



Marble Brown



Deep Blue



Blue



Green



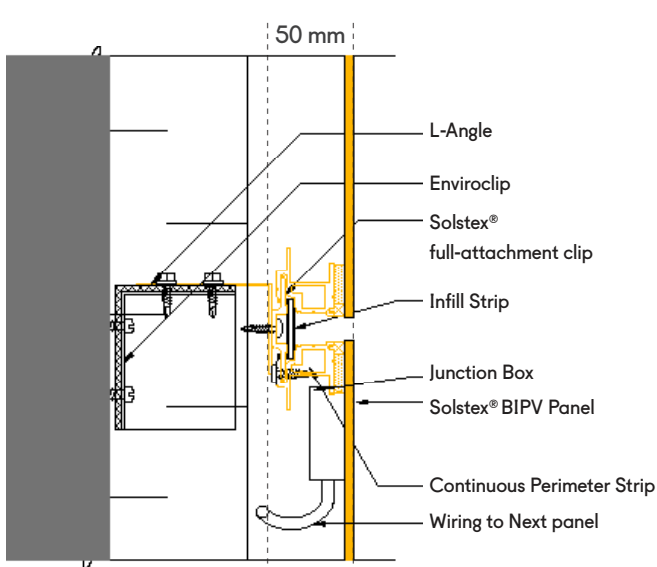
Intense Green

In partnership with

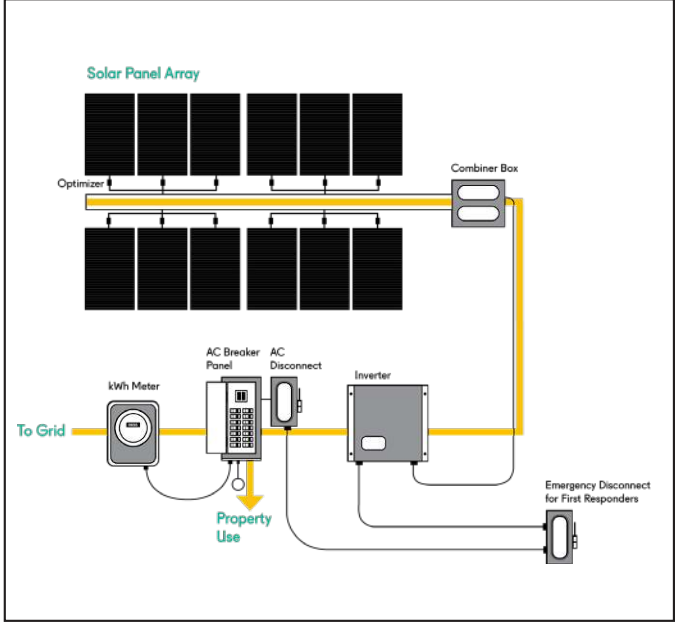


Elemex® is proud to partner with Onyx Solar, a global leader in photovoltaic glass technology with over 15 years of experience and 500+ projects worldwide. This collaboration enhances Solstex®, our cutting-edge building-integrated photovoltaic (BIPV) facade system, designed to harness the power of the sun while offering unmatched design flexibility.

Typical Attachment System:



Typical Electrical System:





One Technology. Built on Trust.

Our proprietary Unity® attachment technology is engineered to work with all of Elemex’s exterior cladding surfaces to create all-in-one superior facade systems. Unity® technology allows for seamless integration of a variety of facade panels on the same attachment platform.

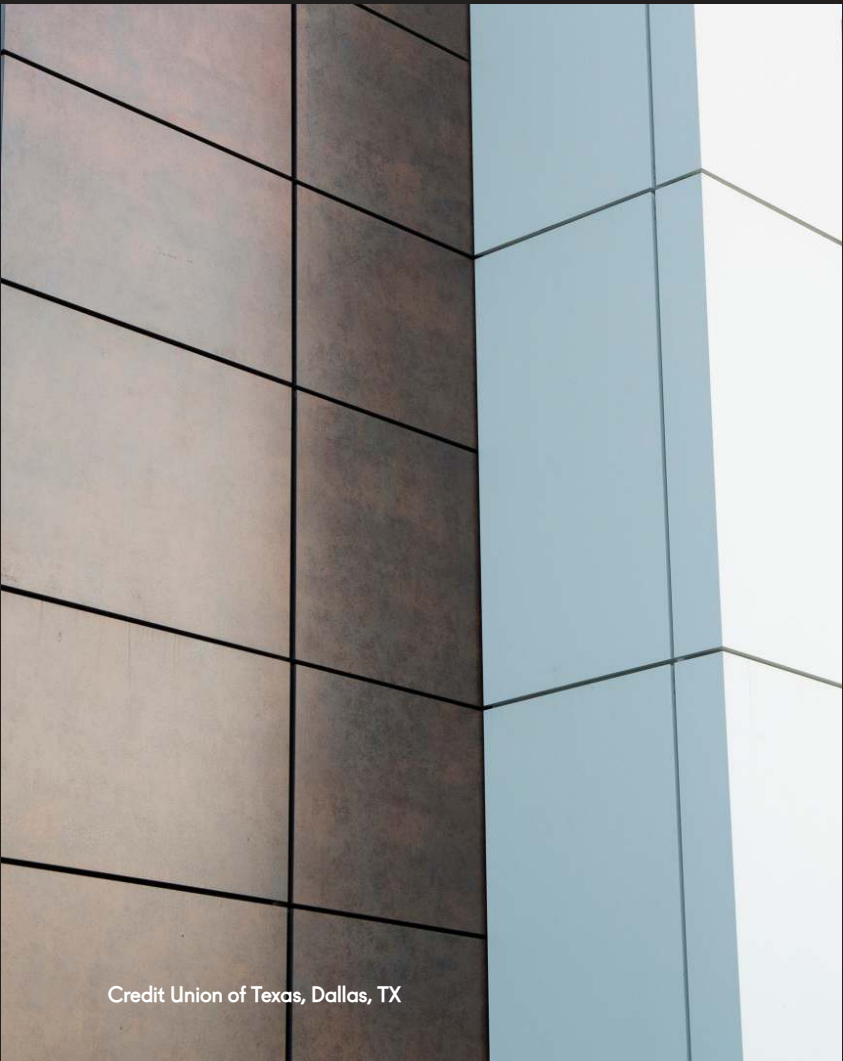
Unity® supports both simple and elaborate projects; from flat panels to more complex. Engineered for complete architectural design control, Unity® brings it all together.

Seamless. Integrated. Unified.

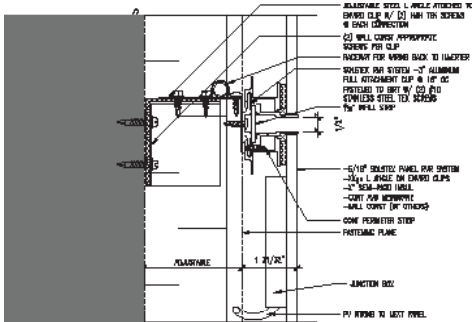
Scan the QR code to explore our attachment system.



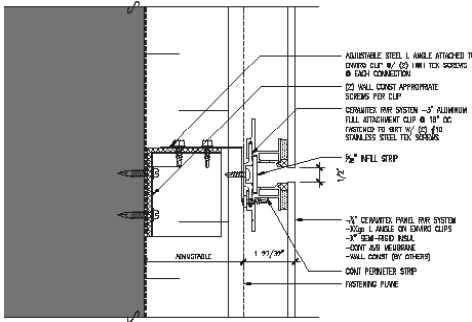
Woodbine Casino, Toronto, ON



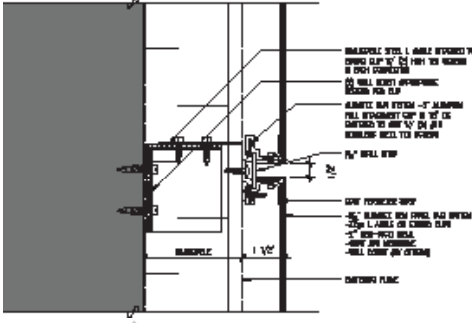
Credit Union of Texas, Dallas, TX



SOLSTEX System Details



ceramITEX System Details



alUMITEX System Details



Seamless Integration of Panel Systems

Only Elemex® gives you Unity. Our proprietary attachment technology allows you to seamlessly integrate our panel systems on a single plane.



Design Flexibility

A variety of materials, colors, textures, and sizes can be panelized on our proprietary Unity® attachment technology so you can create and design with confidence.



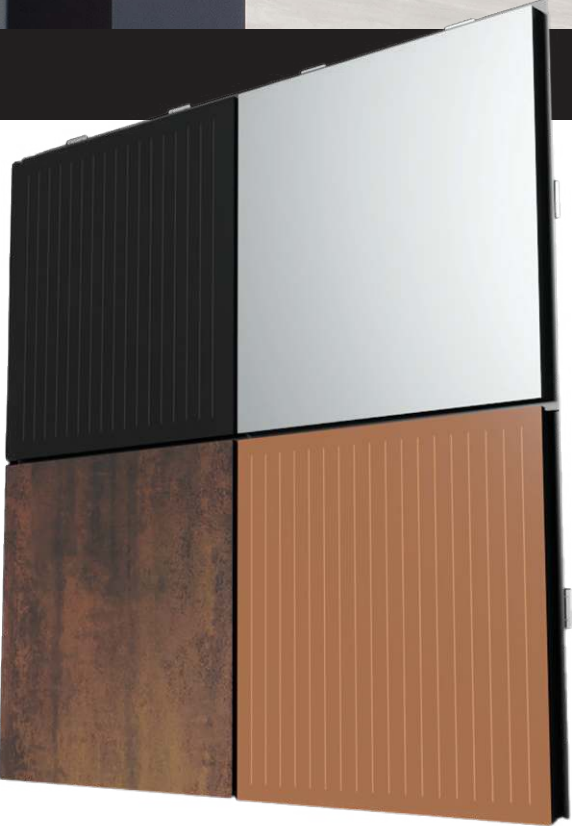
Ease of Installation

Each of our facade systems follows the same installation method giving you the ability to efficiently and effectively install our systems on site.



Proven Performance

Elemex® has 40+ years of experience in the building material of facade industry with a proven track record of results.



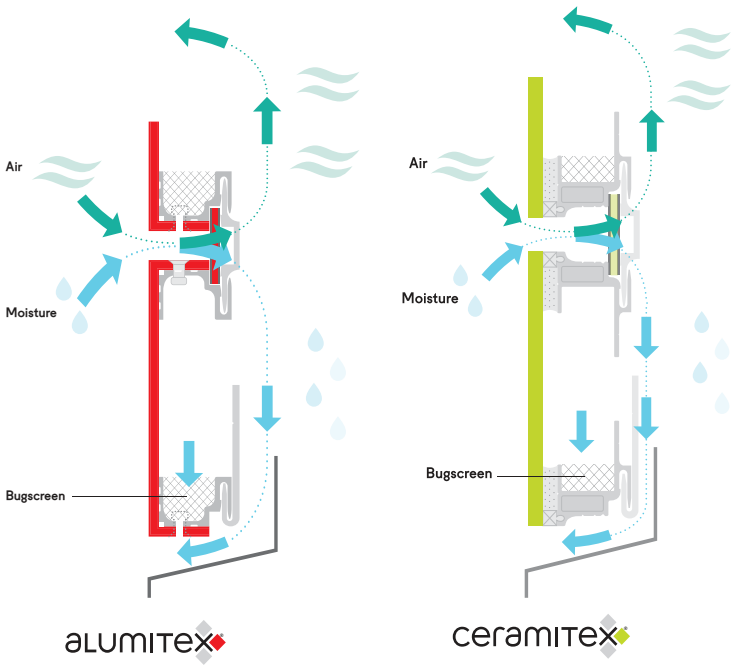
Rear-Ventilated Rainscreen

Rear-Ventilated Rainscreen (RVR)

Our Rear-Ventilated Rainscreen (RVR) System breathes freely and prevents water from being forced the joints in through.

Pressure-Equalized Rainscreen

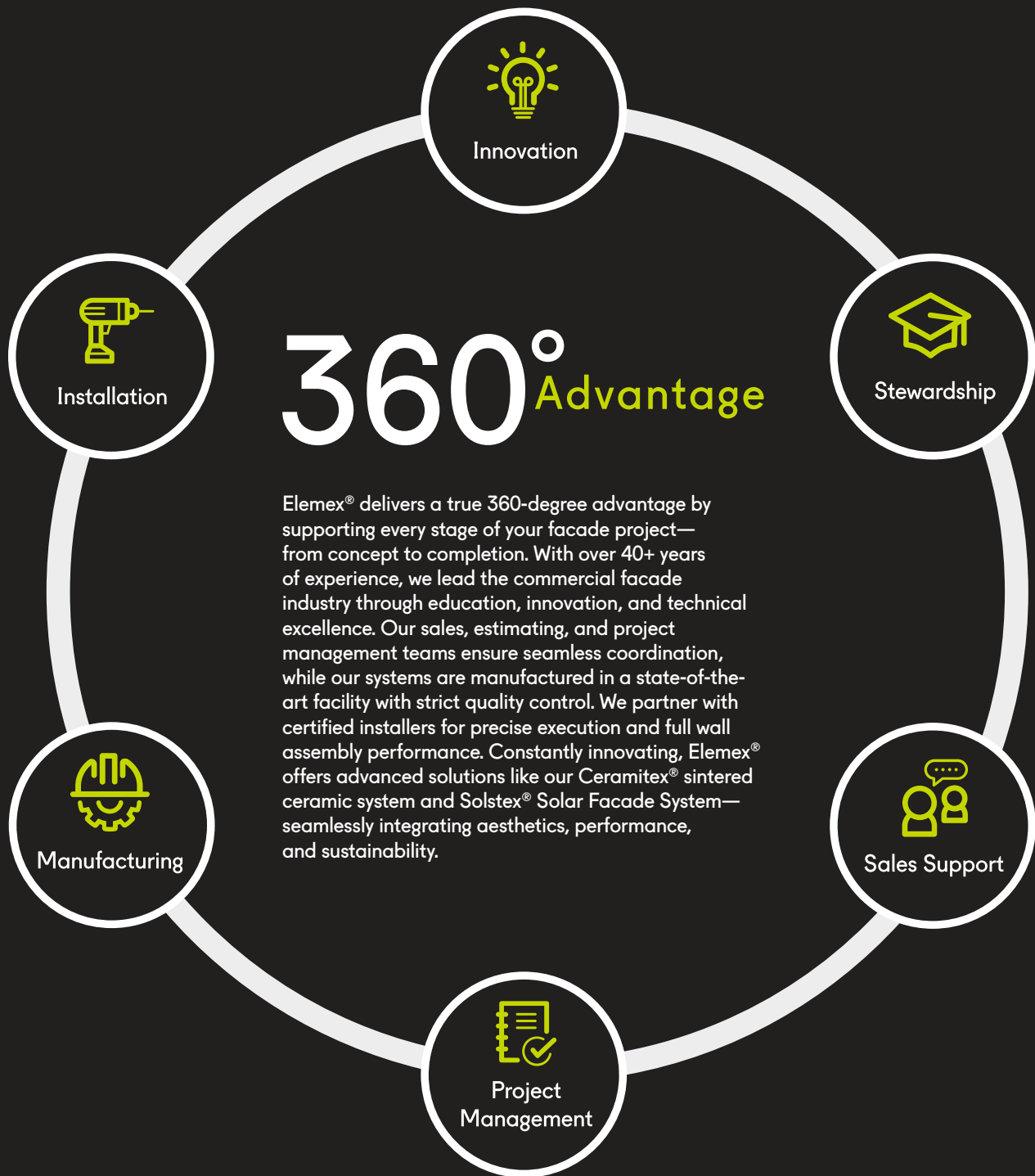
Pressure-equalization reduces the pressure difference across the cladding through the use of compartmentalization and back venting. Ingress of incidental water is reduced and residual moisture is returned to the exterior at the drainage plane.



alUMITEX

ceramITEX

SOLSTEX



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