

enhancing **looks**
improving **value**
saving **energy**

apogee **renovation**

distinctive solutions for renovating commercial building envelopes



our complete renovation **solution**

Optimize energy efficiency and enhance aesthetics of commercial properties with high-performance glass, aluminum framing and window system solutions from Apogee Renovation.

extensive **BENEFITS**

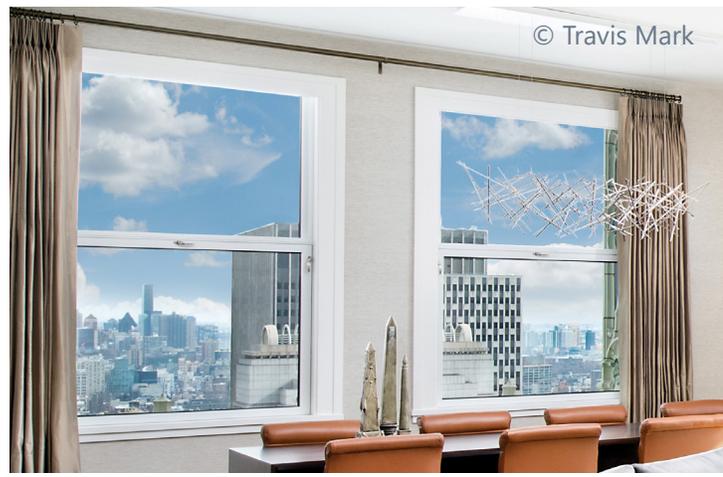
- Improve aesthetics, energy efficiency
- Increase building value
- Reduce maintenance costs
- Add usable floor space
- Protect property, occupants
- Improve occupant well being

PRODUCTS

- glass
- curtainwall
- windows
- storefront
- entrances

SERVICES

- building survey
- energy modeling
- detail and specification assistance
- before and after rendering
- budgeting
- network of installers



REPLACE

CASE STUDY: The Woolworth Tower Residences

Luxury condominiums,
New York, New York

GOAL

Maintain the prestigious property's historic detailing, while delivering modern-day performance and easy operation

APOGEE PRODUCTS & SERVICES

Wausau Window and Wall Systems' windows, Linetec finishing and Apogee Renovation energy modeling



REVIVE

CASE STUDY: ANB Bank Building

Office and retail building
Cherry Creek, Colorado

GOAL

Revitalize 1980s exterior into a modern, high-performance glass and metal facade that better suits its 21st century tenants and those visiting the upscale destination

APOGEE PRODUCTS & SERVICES

Viracon glass and Apogee Renovation energy modeling

REDEFINE

CASE STUDY: 195 Church Street

Office building,
New Haven, Connecticut

GOAL

Significantly improve the building's energy efficiency and enhance occupant comfort

APOGEE PRODUCTS & SERVICES

Wausau Window and Wall Systems' windows, Linetec finishing, Viracon glass and Apogee Renovation energy modeling

apogee energy modeling demonstrates savings, payback

provides comparative building energy performance

annual energy use, peak demand, carbon emissions, daylight, glare, condensation

inputs include

facade orientation, window to wall ratio, framing system type, glass type



WE CAN HELP.



apogee resources

architectural glass

Viracon | The leading North American fabricator of high-performance, custom-coated architectural glass for global markets

architectural framing systems

Alumicor | A Canadian-based supplier of arch. aluminum building envelope products

EFCO | A leading manufacturer of architectural aluminum window, curtainwall, storefront and entrance systems

Linetec | A leading architectural finishing company, offering high-performance paint and anodize finishes for aluminum

Sotawall | A full-service designer, manufacturer and installer of proprietary high-performance unitized curtainwall systems

Tubelite | A leader in eco-efficient aluminum storefront, curtainwall & entrance systems

Wausau Window and Wall Systems | A leading designer and manufacturer of energy-efficient, custom aluminum window and curtainwall systems

architectural services

Harmon | One of the largest U.S. full-service building glass and curtainwall installation companies

building survey

Determine conditions, perform thermographic inspection, recommend upgrades

energy modeling tool

Utility-grade, whole-building energy modeling

specification assistance

Review performance requirements

detail assistance

Architectural drawings of window and curtainwall products

budgeting

Provide installed options

network of installers

Recommend quality, authorized installers across North America

renderings

Visual representation of retrofit

apogee services

apogee renovation

Apogee Renovation provides high-performance glass, aluminum framing and window system solutions to optimize energy efficiency and enhance aesthetics of commercial properties.

With these solutions, building owners and developers can reduce energy costs, increase tenant satisfaction and improve overall value of their buildings.

To learn more, contact Kevin Robbins at krobbins@apog.com or 715-409-0821 or visit apogee renovation.com.

ABOUT APOGEE

Founded in 1949 | Financially strong with over \$1.4 billion in sales | Traded on Nasdaq, symbol APOG | www.apog.com

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