

CASE STUDY

# INTERCITY TRANSIT PATTISON BUS OPERATIONS & MAINTENANCE FACILITY OLYMPIA, WASHINGTON





The Intercity Transit Pattison Bus Operations & Maintenance Facility in Olympia, Washington, plays a crucial role in supporting the community's public transportation needs. Originally opened in 1985 to provide its staff with a space to service a fleet of 80 vehicles, the facility has undergone significant renovations to accommodate the current and future demands of a fleet that now exceeds 400 vehicles, with continued growth anticipated.

The project highlights the numerous strengths and advantages of utilizing Kawneer's architectural aluminum systems, which include resilience, sustainability and enhanced occupant comfort and well-being. The operations and maintenance facility is comprised of a three-story administration and operations

building, a remodeled maintenance building and a one-story fuel, wash and facilities building.

Kawneer's architectural aluminum solutions were integral to the design and functionality of the project. Our cutting-edge 1600UT System™2 Curtain Wall, 1600 Wall System®1 Curtain Wall, Trifab® VersaGlaze® 601UT Framing System and 500T Insulpour® Thermal Entrances deliver a wide range of benefits and functionality for the facility, providing resilience and energy efficiency.

Architect: Stantec, Edmonton, Alberta, Canada  
General Contractor: FORMA Construction, Olympia, WA  
Glazing Contractor: Kell-Chuck Glass, Olympia, WA

Photography: © Chang Kim Photography





## A RESILIENT ARCHITECTURAL FACADE

As a significant investment for the local community, the architectural design and construction of the Intercity Transit project was meticulously designed to ensure longevity and durability.

Resilience in a high-traffic environment was a primary goal for the project. Kawneer's 1600UT System™2 Curtain Wall was selected for its exceptional durability and performance.

Complementing these curtain wall systems, the project also incorporates our 500 Standard Entrances and 500T Insulpour® Thermal Entrances to help ensure reliable performance over time.

## SETTING THE STANDARD FOR SUSTAINABLE DESIGN

Designing an energy-efficient, sustainable facade was another key goal. The facility supports new propulsion technologies, such as electrical charging and hydrogen fueling, to help minimize the environmental impact of the fleet.

The building was designed to align with these sustainability initiatives and provide cutting-edge, cost-effective solutions.

The thermal performance of Kawneer products – including the 1600UT System™2 Curtain Wall, Trifab® 451UT Framing System, Trifab® VersaGlaze® 601UT Framing System and 500T Insulpour® Thermal Entrances – helps deliver the energy efficiency needed to meet Intercity Transit's sustainability initiatives and minimize long-term operational energy usage and costs.

At Kawneer, our BALANCE philosophy of holistic sustainability is reflected in our product portfolio and displays our focus on mindfully balancing our business strategy with our business responsibilities. For total product ingredient transparency, from aluminum billet to building facade, we provide key information on our products and how they are manufactured.

We also offer Red List Free products and provide environmental product declare labels (EPDs) for all our products. Pairing low-embodied carbon aluminum with a thermal framing system helps lower a building's entire life cycle impact.



## **OCCUPANT-CENTRIC BUILDING PERFORMANCE**

With exceptional thermal performance, our architectural aluminum solutions help ensure occupant comfort and well-being. Kawneer's 1600 Wall System®1 Curtain Wall not only helps deliver a comfortable interior temperature but also allow ample natural light to flow in to the facility, creating welcoming spaces for occupants. Visually impressive open areas and panoramic views are proven to improve concentration, performance, productivity and morale. Along with delivering superior thermal performance, our Trifab® VersaGlaze® 601UT Framing System was specified to help contribute to the building's overall energy efficiency and sustainability.

## **CONSTRUCTING FOR A RESILIENT FUTURE**

Kawneer's solutions, including our Trifab® VersaGlaze® 450 Framing System and Trifab® 451UT Framing System, provide design flexibility, which was a major factor in the architect's product selection. Our systems offer the versatility needed to meet current sustainability, aesthetic and thermal performance needs.





## CHALLENGES

- The primary goal of the project was to deliver a resilient facade that provides durability and high performance, serving as a long-lasting asset for the community.
- The facility needed to utilize architectural design solutions that deliver energy-efficient sustainability, helping minimize the project's long-term environmental footprint.
- The building owner wanted to create welcoming interior spaces within Intercity Transit, utilizing architectural aluminum systems and building materials that promote occupant comfort and well-being.
- The design of the facility had to be visually appealing, able to serve as a regional landmark in Olympia, Washington.
- The project needed to prioritize resilience and durability to accommodate the needs of a high-traffic facility.

## SOLUTIONS

- Kawneer's 1600UT System™2 Curtain Wall System combines performance with durability and exceptional seismic resistance, helping to ensure a long lifetime of service for this important community asset.
- The thermal performance of Kawneer's products, including our 1600UT System™2 Curtain Wall and 500T Insulpour® Thermal Entrances, helps minimize long-term operational energy consumption for heating, delivering the associated sustainability benefits.
- Our curtain wall solutions offer the thermal efficiency to help deliver comfortable interior temperatures and also allow sunlight to flow inside the building, creating welcoming and naturally lit spaces for occupants.
- With its stunning, contemporary aesthetic appeal, Kawneer's Trifab® VersaGlaze 451UT Framing System was an ideal selection for the project.
- Our 500 Standard Entrances and 500T Insulpour® Thermal Entrances were used to provide the long-term, high-traffic durability needed by a busy transportation facility.

## PRODUCTS USED

- 1600UT System™1 Curtain Wall
- 1600UT System™2 Curtain Wall
- 1600 Wall System®1 Curtain Wall
- Trifab® VersaGlaze® 450 Framing System
- Trifab® 451UT Framing System
- Trifab® VersaGlaze® 601UT Framing System
- 500 Standard Entrances
- 500T Insulpour® Thermal Entrances







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