

CENTER FOR THE BUILT ENVIRONMENT | ANNUAL LIVABLE BUILDING AWARD

VALMONT HEADQUARTERS

HEARTWOOD PRESERVE - OMAHA, NEBRASKA



VALMONT | HOLLAND BASHAM ARCHITECTS | CBRE | KIEWIT

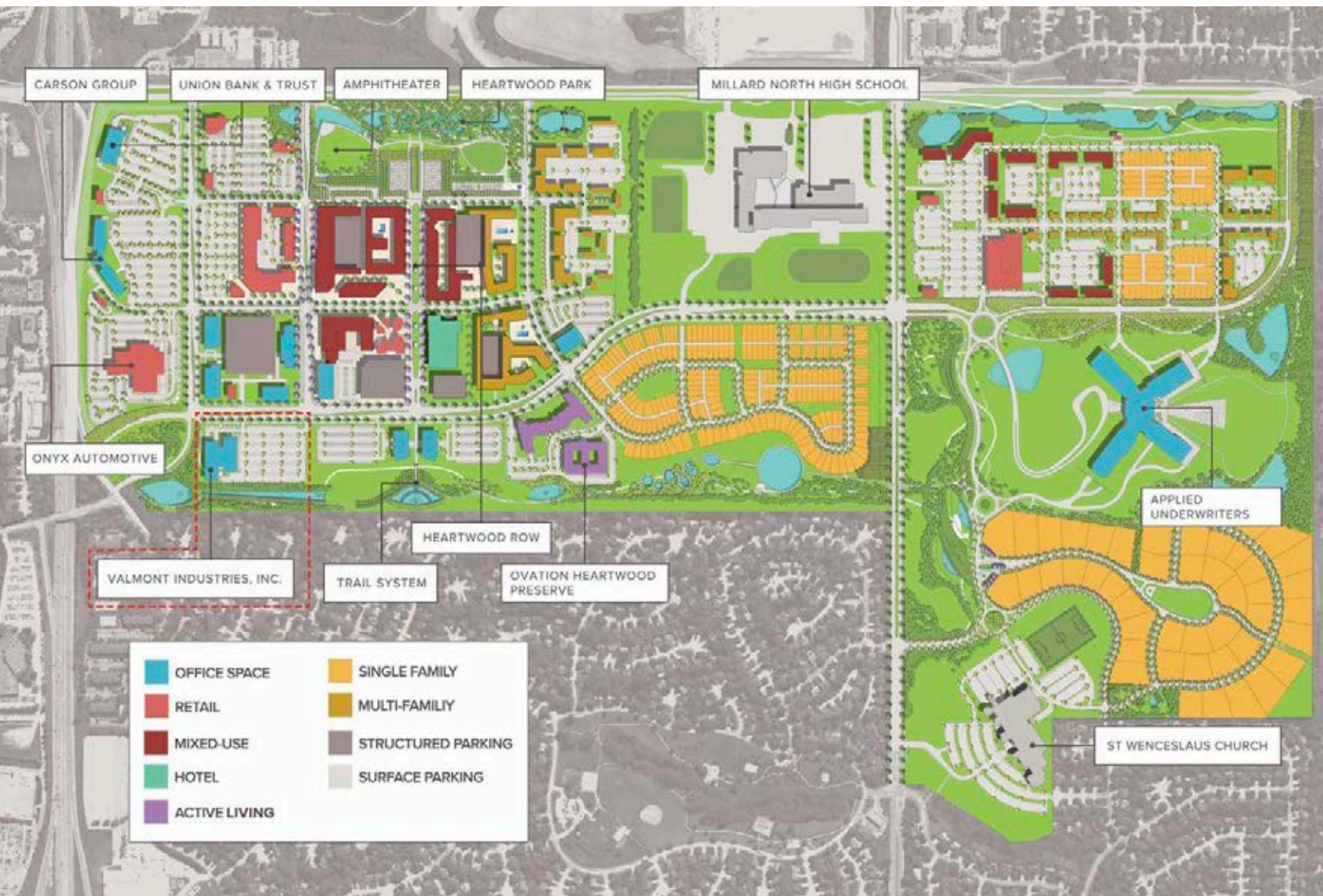
LIVABLE BUILDING AWARD 2024



Nestled in Heartwood Preserve

Valmont Headquarters is strategically located within Heartwood Preserve, an innovative “surban” (suburban meets urban) development just west of Omaha’s city center, which spans nearly 500 acres. The headquarters is surrounded by ponds and water features linked with a trail system and an abundance of trees, creating a lovely view while maintaining the office’s prime location.

Heartwood Preserve emphasizes mixed-use, pedestrian-friendly spaces that preserve the region’s natural beauty, incorporating approximately 80 acres of green space, eight miles of bike paths, and over 10,000 newly planted trees. The development aims to be a top destination for the greater Omaha area, featuring various retail, commercial, residential, and recreational facilities. Visitors can enjoy amenities such as a farmers market, boutique shops, playgrounds, live performances, and diverse dining options, all within a walkable, environmentally-conscious landscape with prioritized accessibility.





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Commitment to sustainability and wellness

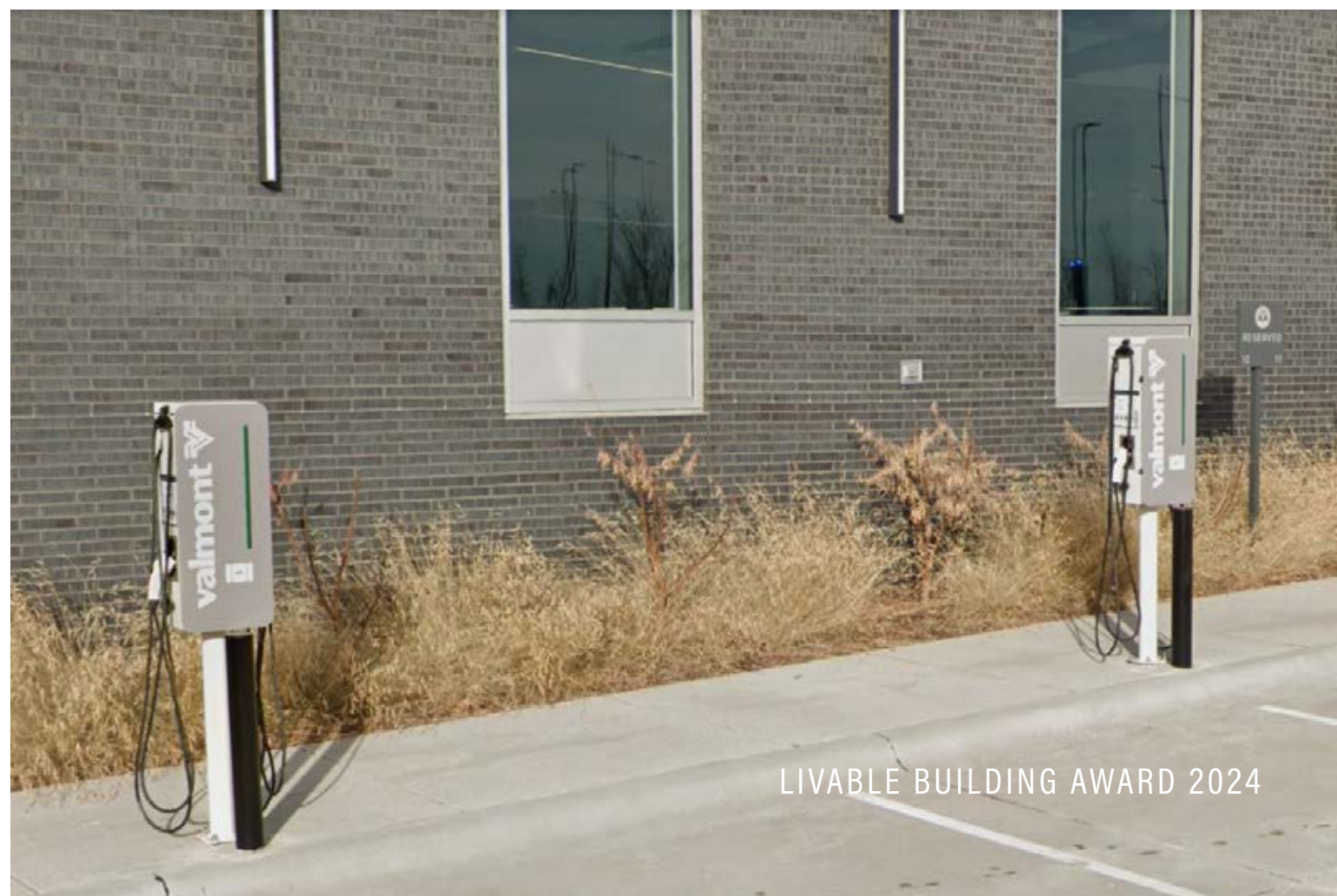
Valmont Headquarters is a testament to the company's commitment to promoting community development and enhancing the quality of life for all. At the heart of its design is a strong focus on wellness and health, seamlessly integrated into the architectural features that not only elevate the work environment but also contribute to a more sustainable future.

This includes providing educational signage and guided tours to inform the public and the design community about the initiatives being implemented. The project emphasizes the WELL building certification, enhancing policies for employee health through biophilic design, air quality, and acoustics. Key features include promoting stair use with attention-grabbing lighting, an efficient HVAC system, and large windows for natural light.

Each workstation is equipped with controlled receptacles. This allows occupants to consider power and energy usage each time they plug in a device. This education of occupants will hopefully transfer to the decisions they are making in their personal lives.

The owner's investment in electric vehicle charging stations and bike storage provide a visible commitment to the community. It encourages alternative modes of transportation that help further push the communities to implement these design elements.







EXIT



Energy saving features and design

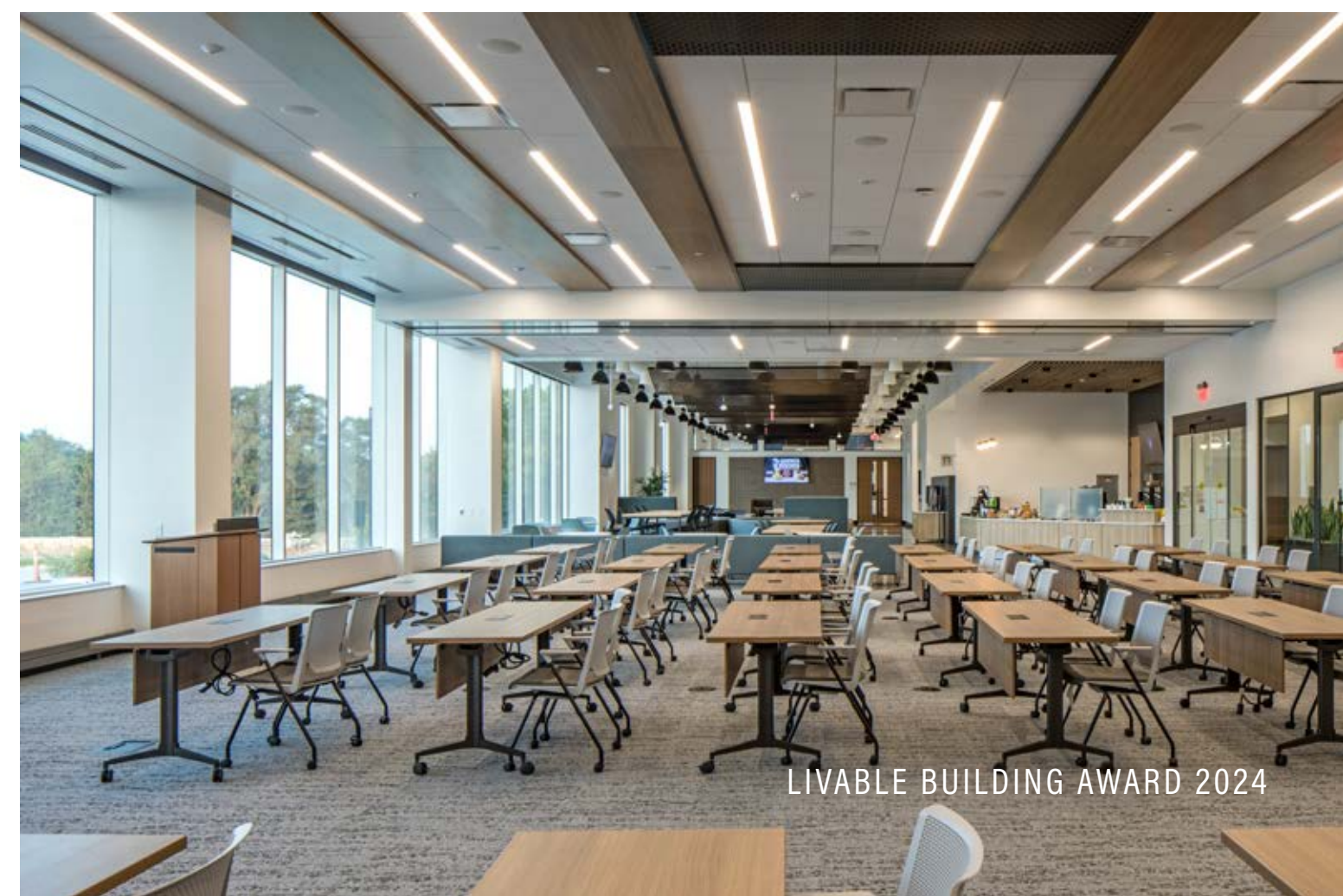
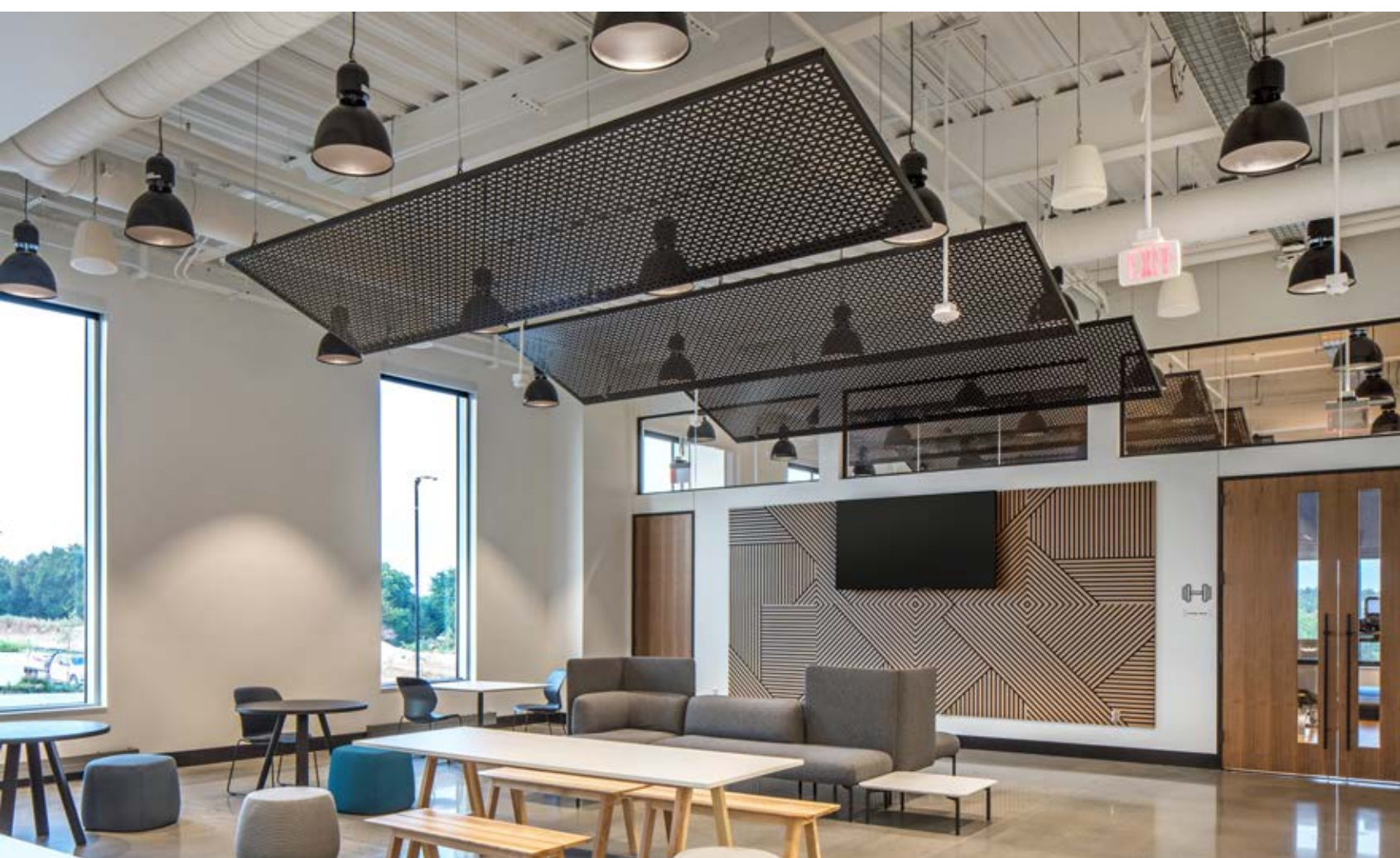
Central to the design is a thoughtfully crafted stairwell, purposefully placed to be highly visible and inviting. This encourages employees and visitors to choose the stairs over the elevator, fostering a healthier lifestyle and contributing to energy savings. Each step taken is a step towards personal wellness and a smaller carbon footprint.

The building boasts an efficient HVAC system, with its advanced design, this system achieves a 19% energy cost savings—amounting to nearly \$24,000 annually—while also drastically reducing CO2 emissions by over 198,000 pounds. This commitment to reducing environmental impact showcases Valmont's dedication to sustainability and responsible resource management.

Natural light fills the interior through expansive windows, complemented by advanced lighting controls that intelligently adapt to the environment. This not only optimizes energy savings but also creates a warm and inviting atmosphere that enhances productivity and well-being.

Recognizing the importance of hydration, the building includes accessible drinking water dispensers equipped with top-tier filtration systems. This ensures that everyone has access to clean, quality water, promoting wellness and encouraging a more health-conscious culture within the workplace.

Together, these thoughtfully designed features embody Valmont's vision of a harmonious blend between sustainability, employee satisfaction, and community benefit. Each element is a step towards a healthier future, reflecting the company's values and commitment to its people and the planet. In this building, wellness isn't just a concept; it's a way of life.



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Energy Data

The building Energy Use Intensity (EUI) is 68.2 kBtu/ft²/yr, while the baseline building EUI is 76.5 kBtu/ft²/yr. This shows a 10.9% reduction in energy consumption and an 18.9% decrease in energy costs compared to the Baseline.

The building envelope features energy saving design elements, such as continuous insulation in the walls and high R-values for the roof. Windows are low-e with low solar heat gain coefficients and thermally broken frames.

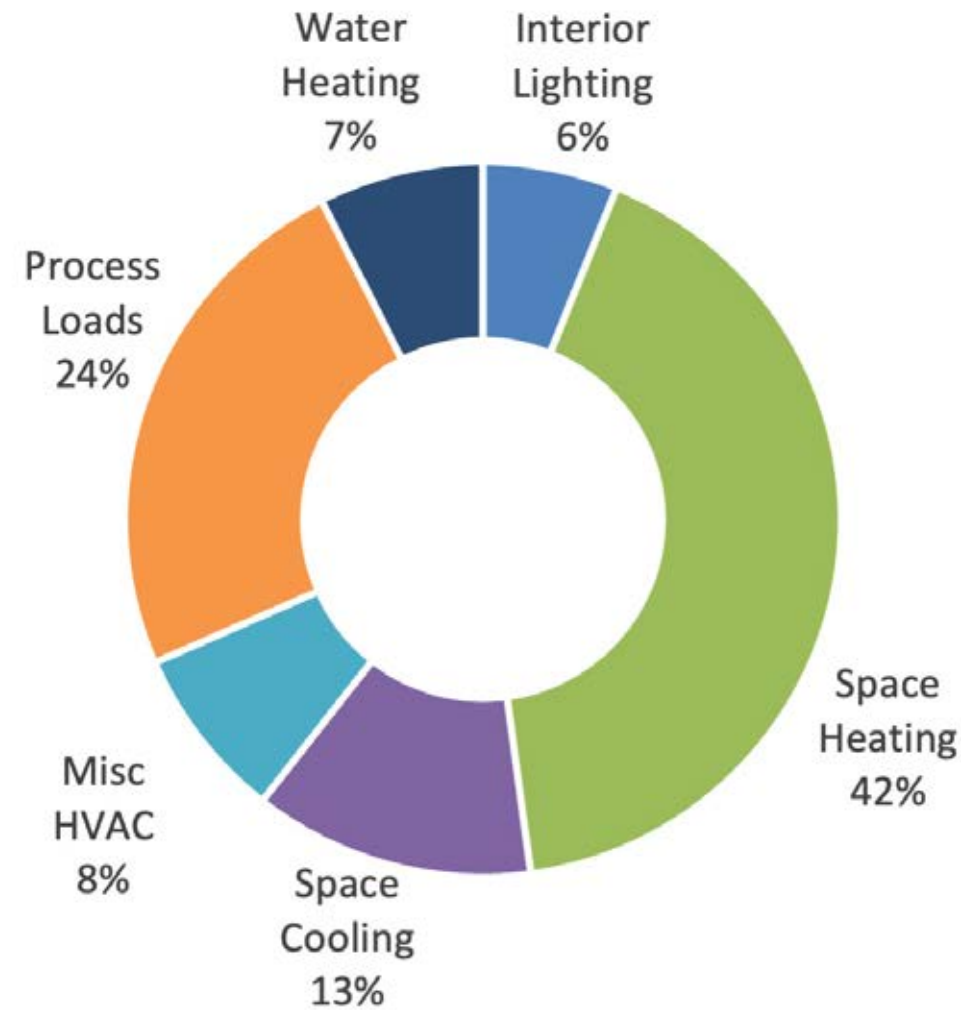
The boiler-tower water source heat pump system optimizes energy consumption in the building HVAC system. An energy recovery outside air unit enhances ventilation efficiency, and the building's automation system is outfitted with advanced controls.

Electric storage and point-of-use instantaneous domestic water heaters minimize energy loss while low-flow fixtures help lower hot water demand.

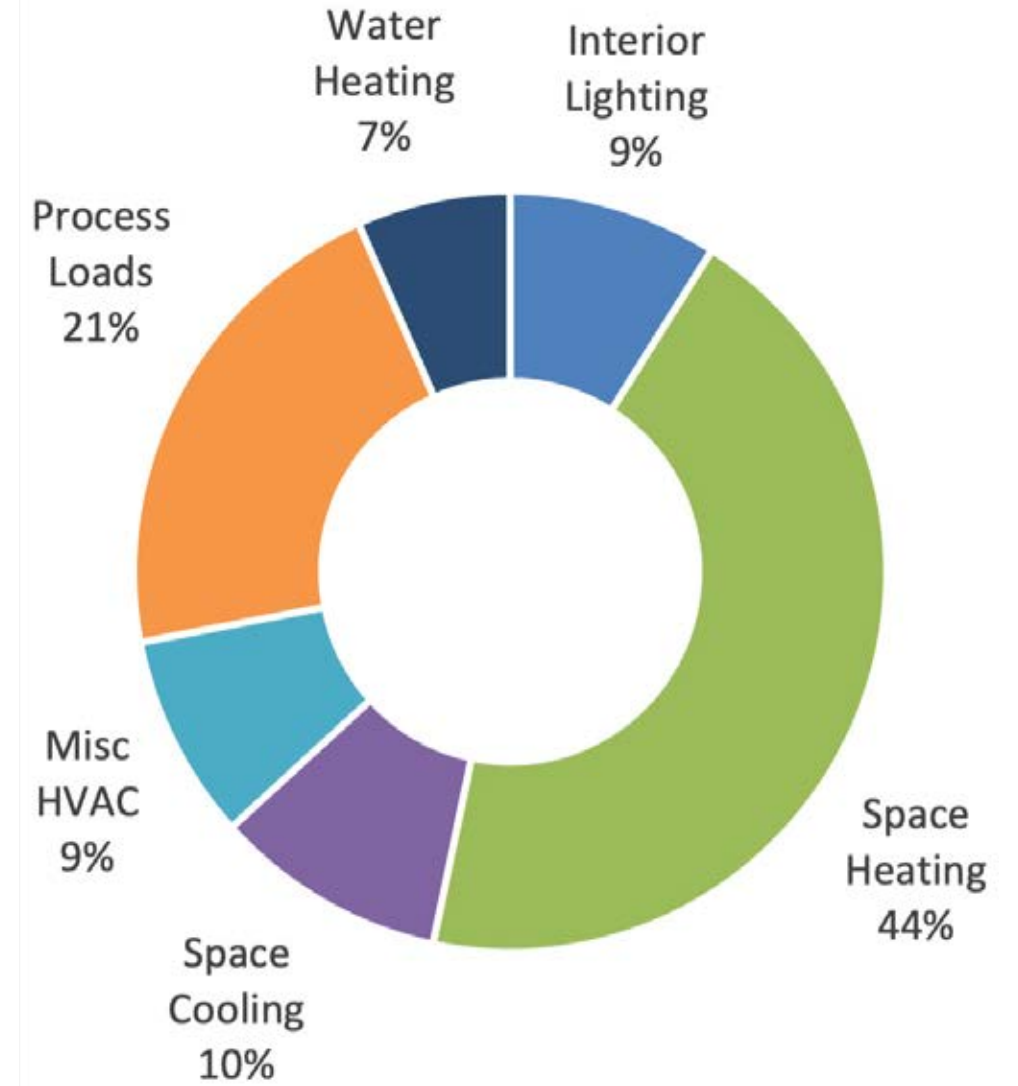
The lighting design uses LED fixtures with dimmable controls, coupled with occupancy and daylight sensors to maximize efficiency.

Occupancy sensors and Energy Star-certified equipment are utilized to minimize plug loads in the building.

Proposed End Use Energy (% of total energy usage)



Baseline End Use Energy





Valmont Headquarters

LEED v4 ID+C: Commercial Interiors

Project ID: 1000120836
 Status: Gold Certified
 Certification level: Gold
 Certification date: 10/19/2022

Attempted: 68, Denied: 7, Pending: 0, Awarded: 61 of 110 points

INTEGRATIVE PROCESS	1 OF 2
Integrative Process	1 / 2

LOCATION AND TRANSPORTATION	3 OF 18
LEED for Neighborhood Development Location	0 / 18
Surrounding Density and Diverse Uses	2 / 8
Access to Quality Transit	0 / 7
Bicycle Facilities	1 / 1
Reduced Parking Footprint	0 / 2

WATER EFFICIENCY	4 OF 12
Indoor Water Use Reduction	Y
Indoor Water Use Reduction	4 / 12

ENERGY AND ATMOSPHERE	27 OF 38
Fundamental Commissioning and Verification	Y
Minimum Energy Performance	Y
Optimize Energy Performance	21 / 25
Fundamental Refrigerant Mgmt	Y
Enhanced Commissioning	5 / 5
Advanced Energy Metering	0 / 2
Renewable Energy Production	0 / 3
Enhanced Refrigerant Mgmt	1 / 1
Green Power and Carbon Offsets	0 / 2

MATERIALS AND RESOURCES	6 OF 13
Storage and Collection of Recyclables	Y
Construction and Demolition Waste Mgmt Planning	Y
Long-Term Commitment	1 / 1
Interiors Life-Cycle Impact Reduction	1 / 4
Product disclosure & optimization - Environmental Product Declarations	1 / 2
Product disclosure & optimization - Sourcing of Raw Materials	1 / 2
Product disclosure & optimization - Material Ingredients	1 / 2
Construction and Demolition Waste Mgmt	1 / 2

INDOOR ENVIRONMENTAL QUALITY	12 OF 17
Minimum IAQ Performance	Y
Environmental Tobacco Smoke Control	Y
Enhanced IAQ Strategies	2 / 2
Low-Emitting Materials	3 / 3
Construction IAQ Mgmt Plan	1 / 1
IAQ Assessment	2 / 2
Thermal Comfort	1 / 1
Interior Lighting	1 / 2
Daylight	0 / 3
Quality Views	0 / 1
Acoustic Performance	2 / 2

INNOVATION	4 OF 6
Innovation	3 / 5
LEED Accredited Professional	1 / 1

REGIONAL PRIORITY CREDITS	4 OF 4
Surrounding Density and Diverse Uses	1 / 1
Indoor Water Use Reduction	1 / 1
Optimize Energy Performance	1 / 1
Enhanced IAQ Strategies	1 / 1

TOTAL **61 OF 110**

40-49 Points CERTIFIED 50-59 Points SILVER 60-79 Points GOLD 80+ Points PLATINUM



LEED results

Valmont was awarded both LEED v4 ID+C Gold in 2022 and WELL v2 Gold in 2024.

The implementation of LEED certification reflects the company's core values: Passion, Integrity, Continuous Improvement, and Driven Results.

Their Passionate commitment to a sustainable future is embodied in their strategic building location, close to transportation, shops, and residential areas, aligning with their passion for sustainable practices. Integrity guides the responsible use of resources. The company's focus is on energy efficiency and water conservation through features like low-flow fixtures and advanced heating and cooling systems.

Emphasizing Continuous Improvement they ensure that all materials used in the building are sustainably sourced, prioritizing recycling and composting to maximize waste diversion. Finally, Driven Results manifest in the creation of a healthy work environment where factors like air quality, lighting, and thermal comfort enhance productivity and overall employee success.

Together, these initiatives reaffirm their dedication to a greener future and demonstrate how one can achieve meaningful impact through thoughtful design and operational excellence.



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Project Team & Cost

Owner's Representative: CBRE, Paul Cox

Architect: Holland Basham Architects
Kurt Cisar, Brittany Miller, and Mike Eckmann

General Contractor: Kiewit Corporation
Josh Render and Tarna Kidder

MEP Design: Morrissey Engineering
Kevin Luebbe, Marissa Gigantelli, Rick Volk, and Josh Roth

Total Project Budget \$22,000,000

