

LEED PROJECT PROFILE



NOVUS INTERNATIONAL, INC
St. Charles, MO

99% of construction waste
was recycled

10% of building materials were
salvaged/previously used

3% of building's energy needs
originate from a 35kW
photovoltaic array

LEED® Facts

NOVUS INTERNATIONAL, INC
St. Charles, MO

LEED for New Construction v2.2
Certification awarded April 22, 2009

Platinum 55*

Sustainable Sites 10/14

Water Efficiency 4/5

Energy & Atmosphere 9/17

Materials & Resources 12/13

Indoor Environmental Quality 15/15

Innovation & Design 5/5

**Out of a possible [69] points*

The information provided is based on that stated in the LEED® project certification submittals. USGBC and Chapters do not warrant or represent the accuracy of this information. Each building's actual performance is based on its unique design, construction, operation, and maintenance. Energy efficiency and sustainable results will vary.

NOVUS, INTERNATIONAL, INC.

INTERNATIONAL SUSTAINABLE LEADERSHIP IN BUSINESS AND OPERATIONAL PRACTICES

PROJECT BACKGROUND

Novus International Inc., a leader in the animal health and nutrition industry boasts a new global headquarters facility in the Missouri Research Park in St. Charles, Missouri. The \$20 million project completed in December 2008 includes renovation of Novus' existing 42,000-square-foot building and a 48,000-square foot addition. The project includes state of the art open office and conference spaces throughout the buildings, ten research laboratories, employee and customer training center, fitness center and catering kitchen and cafeteria.

STRATEGIES AND RESULTS

The sustainable vision of the project was to create a sense of community within Novus and all business associates by remaining in St. Charles, MO, retaining much of the existing facility and consolidation of all staff to a single location. The target sustainability goal of the project was the incorporation of measures to achieve LEED Platinum certification and assure all decisions align with Novus' corporate global sustainability programs. Novus challenged the project team to achieve higher levels of "Performance through Innovation" at every step of the project.

The Novus project is one of few commercial buildings in Missouri to achieve LEED Platinum certification. Sustainable features of the project include:

- Vegetation framework surrounds the building and provides shading
- 5,000 square foot, 35kW solar panel array
- Countertops made from plastic detergent bottles and trim made from post-industrial aluminum waste
- Extensive use of rapidly renewable materials such as bamboo flooring and door materials
- Landscape restoration using native and adaptive vegetation which requires no irrigation, saving thousands of gallons of potable water each year
- A high performance building envelope
- Heating and cooling systems which include use of a chilled water distribution system and high efficient lighting systems and controls
- Preferred parking spaces for low-emitting and fuel efficient vehicles
- Storm water retention systems which reduce the environmental impact of runoff and improve water quality to receiving rivers
- Use of a high percentage of recycled content for building structure materials
- Floor-to-ceiling windows to maximize the use of natural light while providing a direct connection to the surrounding environment
- Underfloor HVAC system that allows the temperature to be controlled individually at each work area
- Operable skylights and floor-to-ceiling windows to maximize the use of natural light

The project team worked hard to recycle all construction waste. Only 1% of the total 925 tons ended up in area landfills. Every worker on the project knew their role to reach this goal as it took a total project team effort. Over 10% of the building materials were salvaged and previously used. Few owners want "used" materials in their new buildings, but the project team worked hard to evaluate, furnish and install products which were reused but warranted as new.

ABOUT NOVUS

Novus International, Inc. headquartered in St. Louis, Missouri, serves customers in more than 90 countries around the world and is a recognized industry leader in the animal nutrition and health industry. Since the founding of the company, global sustainability has been a fundamental imperative at Novus and is the common denominator between our corporate vision, mission and core values. Providing energy efficient, healthy and environmentally responsible facilities for our customers and employees to collaborate in is an integral part of our global mission and a driving force in our decision to pursue LEED platinum certification for our headquarters building.

"By implementing a 'whole-building' approach, we lessened our environmental footprint, achieved a superior work environment and reduced operating costs. Novus is thrilled to have found a design-build partner in Clayco that sees construction from a holistic view and understands how it affects our business, our employees and our environment."

Dan Vondriska
Director of Business Development
Novus International, Inc.



Architect and Interior Designer: Stock & Associates
Builder: Clayco Inc.
Civil Engineer: Stock & Associates
Commissioning Agent: Solutions AEC
Developer: CRG
Electrical Engineer/Lighting Designer: Kaemmerlen Electric
Landscape Architect: Loomis Associates
LEED/Sustainability Consultant: Open Field Designs
Mechanical Engineer: ICON Mechanical
Owner: Novus International
Plumbing Engineer: Bieg Plumbing
Structural Engineer: Alper Audi

Photo Credit: Alise O'Brien Photography

About USGBC-Missouri Gateway Chapter

USGBC is the nation's foremost coalition of leaders from across the building industry. Missouri Gateway Chapter members represent all segments of the building industry and work together to promote buildings that are environmentally responsible, profitable, and healthy places to live and work.



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