

LEED PROJECT PROFILE



TARLTON HEADQUARTERS ST. LOUIS, MO

Daylight views for **90%** of spaces

26% energy cost savings

47% local or regional materials used

LEED® Facts

Tarlton Corporation Headquarters
St. Louis, MO

LEED for New Construction v2.1
Certification awarded Jan. 12, 2006

Silver 34*

Sustainable Sites 6/14

Water Efficiency 2/5

Energy & Atmosphere 6/17

Materials & Resources 6/13

Indoor Environmental Quality 10/15

Innovation & Design 4/5

**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.

TARLTON CORPORATION HEADQUARTERS

Sustainable Building

LEED Experience Benefits Contractor and Its Clients

PROJECT BACKGROUND

“In building Tarlton’s new headquarters, our mission was to combine our entire operation under one roof, the culmination of years of planning,” notes Dirk Elsperman, executive vice president and COO. This growing general contracting and construction management firm needed more space and wanted to be adjacent to its equipment, maintenance facility and service yard. Construction began in 2004.

From the beginning, Tarlton set out to design its headquarters to sustainable criteria to reflect its commitment to green building and sustainability. The building’s exterior is architectural concrete and masonry veneer with a steel frame. The 50-person office was designed with a mezzanine that can be extended to create a full second floor if needed. An open “muddy boots” area with abundant natural light welcomes employees and visitors, also serving as a relaxed meeting space for anyone wearing a suit and tie or jeans and work boots.

STRATEGIES AND RESULTS

Tarlton desperately needed new space but had a budget to maintain. Company leadership knew they wanted to build sustainable features into the project, having done so in some form on various projects throughout the company’s history. They weren’t sure about the payback, but they kept an open mind and continued with design, choosing to remain in the city of St. Louis on a brownfield site providing good accessibility from all parts of the greater St. Louis area.

Tarlton’s existing building, constructed in 1956, was not well-suited for modern office use. Only about half of the work spaces had windows, the HVAC system did not have capacity for high occupancy, and there was not enough space to house computer equipment. Tarlton’s leadership was sensitive to these building shortcomings, which created a clear vision of what they demanded from a new building – abundant natural light, high-performance HVAC systems, a high level of personal comfort for employees, and a building that would support the infrastructure needs of a growing company.

Design was driven by these needs, along with the desire to be strategically sustainable, and it became apparent that LEED certification was within reach and within budget. In addition to the benefits Tarlton would enjoy, the certification process would give Tarlton more firsthand experience with the services its clients were starting to request. This was the way to go.

The new building features high-efficiency water fixtures; highly efficient building systems and low-emission materials for wall and floor coverings, ceilings and other furnishes (all improving indoor air quality); floor-to-ceiling windows on the north side to provide abundant light without excessive heat or glare; a cistern to collect rainwater; and a bicycle rack and showers to encourage employees to bike to work. Over time, Tarlton has updated its campus to be more sustainable, recycling all products possible; reusing vehicle waste oil to heat the maintenance facility; installing a 25 kilowatt solar array on the rooftop; installing 10-foot-diameter ventilation fans and improved high-bay lighting in the open work area to use less energy and provide greater employee comfort; and retrofitting lighting in the maintenance facility to provide brighter light and use less energy.

ABOUT TARLTON

Tarlton is a St. Louis-based general contracting and construction management firm in business since 1946. A nationally certified Women’s Business Enterprise, Tarlton is closely held, client-driven and employs an average 250 people, including highly skilled tradespeople. Tarlton provides wide-ranging preconstruction and construction services for diverse renovation and new construction projects ranging from \$10,000 to \$100 million.

“Building green is not just a fad. It’s integrating building techniques, design and the use (and re-use) of better materials to achieve a healthier and more productive result.”

Dirk Elsperman
Executive Vice President and COO, Tarlton



Architect: Christner Inc.
Construction Manager: Tarlton Corp.
Civil Engineer: Stock & Associates Consulting Engineers Inc.
Structural Engineer: Alper Audi Inc.
Mechanical Engineer: C & R Mechanical Co.
Electrical Engineer: PayneCrest Electric & Communications

Photographs Courtesy of: Tarlton

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, prosperous, and healthy places to live and work.

