U.S. Embassy Bucharest
LEED® Certified

The U.S. Embassy in Bucharest, Romania is the fourth Leadership in Energy and Environmental Design (LEED®) Certified building in Romania. It is the seventeenth U.S. Diplomatic facility to achieve this prestigious certification.

Site 9.8 acres | **Project Cost** $153 Million | **Occupancy** August 2011

Sustainable Sites

The new embassy is located in the Northern part of Bucharest next to Baneasa Airport. During construction, silt fencing was installed along the perimeter fence to control soil runoff, and all storm drains around the site were protected with filter fabric to reduce the amount of sediment entering the storm sewer system.

Water Efficiency

The building is calculated to use 46% less water than the performance requirements of EPAct 1992. This is accomplished through the use of waterless urinals, automatic shut-off faucets, and low-flow plumbing fixtures.

Energy and Atmosphere

The new embassy is projected to reduce energy costs by 19% compared to the calculated baseline (ASHRAE 90.1-2004).

The building uses a Dedicated Heat Recovery Chiller (DHRC™) to cool the building, which is an American-made, ultra-high efficiency chiller that reclaims "waste heat" discharged from electrical loads inside the building, and converts it into hot water to heat the Embassy. This reduces the amount of air conditioning required, and saves on the consumption of natural gas, and electricity.

Materials and Resources

This facility was built using sustainable materials. Over 12% of base building materials contain recycled content, including rebar, ceiling tiles, carpet, and insulation.

Indoor Environmental Quality

Employees and visitors will benefit from a superior indoor environment. By monitoring CO_2 levels, optimal amounts of fresh air are provided to the occupants. Outside air is filtered with HEPA and carbon filters.

Low-emitting materials were selected to reduce potential off-gassing after installation. Adhesives, sealants, paints, coatings, and furniture systems all contain low quantities of volatile organic compounds.

Architect KCCT Architects

Contractor AICI – Special Projects

Landscape Rhodeside & Harwell

Civil Cervantes & Associates

Structural Johns and Bhatia Engineering

MEP EK Fox

Commissioning RMF Engineering