

U.S. Embassy Bandar Seri Begawan LEED® Certified



The U.S. Embassy in Bandar Seri Begawan, Brunei is a Leadership in Energy and Environmental Design (LEED®) Certified building. It is the first LEED® certified building in Brunei, and the fourteenth U.S. Diplomatic facility to achieve this prestigious certification.

Site 5.3 acres | **Project Cost** \$28 Million | **Occupancy** November 2011

Sustainable Sites

The new Embassy occupies a 5.3 acre site in the Diplomatic Enclave in Bandar Seri Begawan. Alternate transportation to the embassy is encouraged through priority parking for ride shares and low-emitting vehicles, and secure bicycle racks and showers are provided.

The site design employs an advanced stormwater management system that captures over 90% of rainfall. Bioswales remove over 80% of total suspended solids prior to discharging the stormwater into the municipal system, reducing the amount of potential pollutants entering the city-wide management system.

Water Efficiency

No permanent irrigation system is required to support the landscaping for the embassy grounds. Rainfall and overland flow provide sufficient moisture for the selected native and adapted plantings. Selected trees, shrubs, and groundcover capitalize on the natural conditions and varying micro-climates on the site.

Energy and Atmosphere

The new embassy is designed to reduce energy costs by 19% compared to the calculated baseline (ASHRAE 90.1-2004). The embassy employs many energy-efficient technologies, including LED task lighting; occupancy sensors for lighting; variable frequency drives for pumps, fans, and motors; and a variable air volume (VAV) air distribution system.

Indoor Environmental Quality

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.

Green Buildings Supporting Eco-Diplomacy

Signage located around the site and inside the building provides an overview of the sustainable strategies employed by the building and site design. Signs educate visitors and staff about sustainable site systems, energy- and water-efficiency technologies, and measures taken to ensure indoor air quality.

Architect RTKL Associates

Contractor CCE

Landscape RTKL Associates

Civil KPFF

Structural: RTKL Associates

MEP H&A Architects & Engineers

Commissioning WSP Flack + Kurtz
