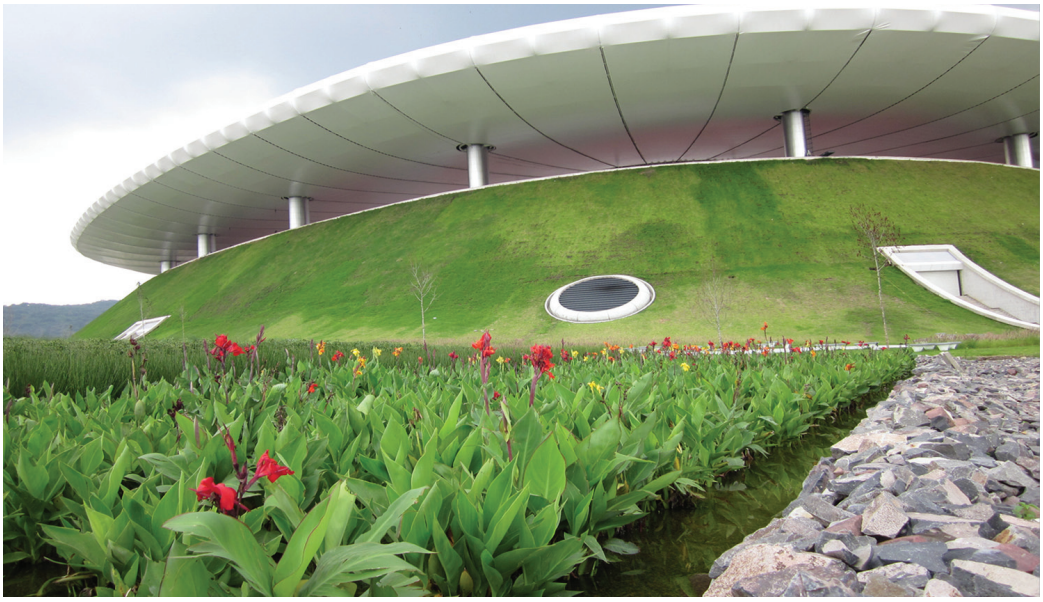
HOK MEXICO

Omnilife Stadium 100% Wastewater Treatment & Reuse

Guadalajara, Mexico



top: Constructed wetlands in front of the new stadium; above left: View down the berm dividing the two wetland cells; above right: Wetlands planted with a variety of native species

With a seating capacity of 49,850, Omnilife Stadium is Mexico's fourth largest stadium. It is also the first major stadium with a total wastewater treatment and reuse system. Approximately 136,000 gallons (515 cubic meters) of wastewater is collected from the stadium during each game. Wastewater is equalized and metered out at 20,000 gallons per day into an onsite treatment system. The unique treatment system, designed by Biohabitats, utilizes trickling filters, constructed wetlands, and sand filters to purify the water. Treated water is disinfected before being utilized in the stadium for toilet flushing, irrigation, and stadium washdown.

conservation planning
ecological restoration
regenerative design

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