

Site Lighting and Landscaping HRH Prince Abdul Azziz bin Fahd Private Residence

CLIENT:
Esam Arabian Projects Est.
Riyadh, Saudi Arabia

His Royal Highness' vision was to create a paradise setting through site lighting and landscaping that would allow the grounds of his world-class private residence to be enjoyed during the cooling nighttime hours. The project represented the most ambitious landscaping undertaken in Saudi Arabia since the completion of the King Kahled International Airport, approximately 20 years ago.

PROJECT BUDGETS

\$12 million
Lighting Engineering

\$12 million
Landscape & Irrigation
Construction

\$4million
Specialty Paving &
Construction

BENEFITS OF PROJECT

Full realization of an Islamic garden

Culturally sensitive design

Responsive to client's lifestyle

State-of-the-art lighting controls



Esam Arabia Projects Est. (ESAP), a Saudi Arabian landscape contractor, undertook the project based on their previous work on the Ministry of Interior and Jubail Industrial City. Lee-Wolfe and Associates was retained to provide on-shore project management and administration and off-shore technical support for the site lighting and landscape construction of the 20-hectare private residence and office portion of the 80-hectare expansion of Yamama Palace. The work was performed under subcontract to the French-Saudi general contractor, Saudi Oger, who had responsibility for site civil and building construction for the overall palace expansion. ESAP's portion of the work, totaling \$28-million and constructed over three years, included design engineering, construction management, and direct-hire construction of the site lighting systems, specialty paving, and landscaping of the private residence and office compounds. Also included were the landscaping for the initial phases of construction replicating portions of the Alhambra Fortress, as well as the Court of the Lions.

Services included engineering of the lighting and electrical design of the site lighting systems for streets, building facades and roofs, including electrical distribution and computerized controls. In-house architectural/engineering staff performed the detailed design for the specialty paving and irrigation system. In-house staff oversaw the construction management and contract administration of paving and electrical sub-contractors, specialty lighting and metal fabricators, and off-shore plant procurement vendors. Direct-hire staff undertook all civil, irrigation, landscape and specialty construction work. During peak construction, multinational management, administrative, engineering staffs and direct-hire trades totaled approximately 125 people.



Lee-Wolfe & Associates