

Veterinary Quarantine and Slaughterhouse in Tajarhi

Client

Al-Watan for Real Estate Development & Investment

Scope of Work

Conceptual Design
Schematic Design
Detailed Design
IFC

Location

Libya

Types of Activities

Architectural
Civil
Communications and Security Systems
Electrical
HVAC
Landscaping
Mechanical
Roads
Structural

The project occupies 57,000 m² in Tajarhi, located in Libya's far south along the desert trade roads to the Niger River, Lake Chad, and Sudan. It consists of multiple components designed for efficient livestock management and slaughter operations. Key facilities include a sheep slaughterhouse (1,200 m²) with a capacity of 400 heads/day, a calf and camel slaughterhouse (600 m²) with a capacity of 100 heads/day, and a cleaning and meat preparation hall (1,600 m²). The project also involves 21 sheep pens (12,000 m², holding up to 10,100 heads), 24 calf pens (8,600 m², holding up to 3,000 heads), and 32 camel pens (12,000 m², holding up to 4,000 heads). Additional facilities include a central feed warehouse (1,700 m²), a loading and unloading area, veterinary

services such as laboratories and clinics for calves and camels (900 m²) and a similar facility for sheep (1050 m²). This adds to a residential building and a restaurant (2,300 m²) that accommodates 112 persons and an administrative building (1,200 m²) housing 40 persons. The project also incorporates a water treatment plant (375 m², 250 m³/day capacity), a maintenance building (100 m²), two power plants (150 m², 300 KW/h capacity), a waste recycling center (10 tons/day capacity), and various service buildings, including a cooker (200 m²), incinerator (45 m², 650 kg/h burning capacity), and a mosque (85 m²).

