

# 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 m<sup>2</sup> 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 m<sup>2</sup>) with a capacity of 400 heads/day, a calf and camel slaughterhouse (600 m<sup>2</sup>) with a capacity of 100 heads/day, and a cleaning and meat preparation hall (1,600 m<sup>2</sup>). The project also involves 21 sheep pens (12,000 m<sup>2</sup>, holding up to 10,100 heads), 24 calf pens (8,600 m<sup>2</sup>, holding up to 3,000 heads), and 32 camel pens (12,000 m<sup>2</sup>, holding up to 4,000 heads). Additional facilities include a central feed warehouse (1,700 m<sup>2</sup>), a loading and unloading area, veterinary

services such as laboratories and clinics for calves and camels (900 m<sup>2</sup>) and a similar facility for sheep (1050 m<sup>2</sup>). This adds to a residential building and a restaurant (2,300 m<sup>2</sup>) that accommodates 112 persons and an administrative building (1,200 m<sup>2</sup>) housing 40 persons. The project also incorporates a water treatment plant (375 m<sup>2</sup>, 250 m<sup>3</sup>/day capacity), a maintenance building (100 m<sup>2</sup>), two power plants (150 m<sup>2</sup>, 300 KW/h capacity), a waste recycling center (10 tons/day capacity), and various service buildings, including a cooker (200 m<sup>2</sup>), incinerator (45 m<sup>2</sup>, 650 kg/h burning capacity), and a mosque (85 m<sup>2</sup>).

