

# Saudi Funded Electrical Network

## Azraq Camp - Jordan

### August 2018

Through the generous support of the Saudi Fund for Development (SFD), UNHCR will soon connect all shelters and much of the operational facilities in Azraq camp to the electrical grid.

Implemented over three concurrent phases this network covers the medium voltage lines (managed by EDCO), low voltage lines (managed by a local contractor, EDWAN) and the internal shelter wiring (undertaken by trained refugees).

#### Phase 1 | Electricity Network V3 & V6

Completed in March 2017



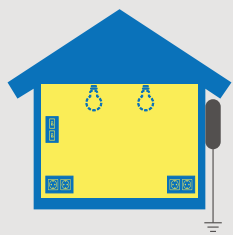
**13** transformers  
installed with capacities  
from 250 to 630 KVA



**502** LED street  
lights inside plots  
and market areas

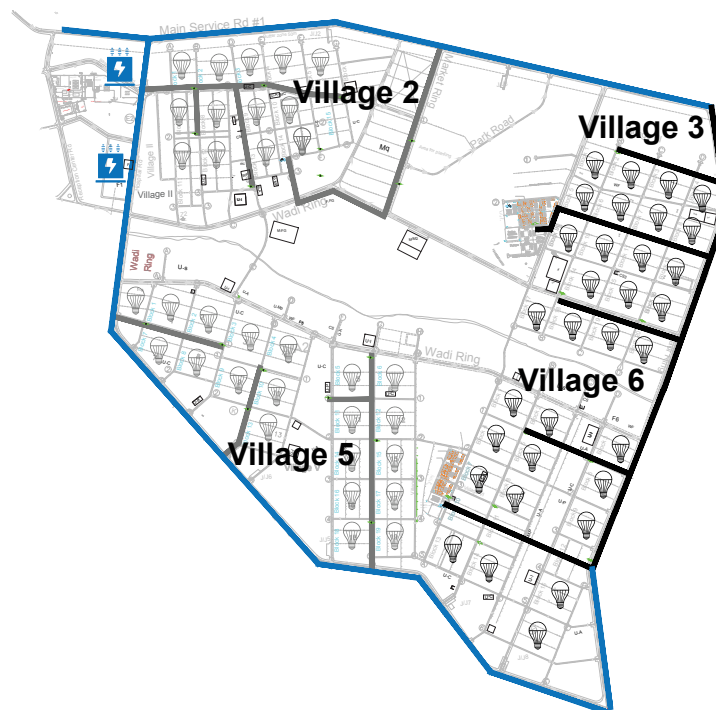


**4,903** shelters  
connected to the grid



**Each shelter is connected with:**

- 2 13 amp double-power sockets
- 2 gang light switch
- 2 LED bulbs
- Main consumer unit
- RCBO + earth leakage breaker



#### Network Facts: Cables & Wires Installed

	Aerial Cables	Internal Cabling
Phase 1	119 km	342 km
Phase 3	187 km	391 km

#### Phase 2 | Network Extension: Ring Road, Hospital & Civil Defense

Completed in October 2017

Medium voltage network  
expanded to the main ring road



**1 x 400 KVA**  
transformer for  
the main hospital



**1 x 100 KVA**  
transformer for  
the civil defense



**19,000** meters  
of medium voltage cables  
installed across the camp

#### Phase 3 | Electricity Network V2 & V5

To be completed in December 2018



**17** transformers  
installed with capacities  
from 400 to 630 KVA



**1,025** LED street  
lights inside plots  
and market areas



Capacity to connect  
**5,576** additional  
shelters to the grid