

GREENING THE BLUE

UNDP Yemen



100% SOLAR ENERGY

THE JOURNEY



Case presented
11 Sep 2017



Project launched
16 May 2018



Shipped
29 May 2018



Arrived
13 Dec 2018



Installed
8 Apr 2019

CURRENT SOLAR POWER



110 KWp
Solar capacity



307 KWh
Lithium ion
battery



147 MWh
Produced
each year



US\$ 73,000
Annual savings



149 TONS
CO₂ emissions
reduced per year



INCREASED
energy
autonomy

EQUIVALENT TO...



CO₂ avoided



Emissions from driving
35 cars for a year



Emission from driving
one car for 1,257,384 km



Emission from carbon
footprint of **166 people**



**Annual energy
to power**



Charging **46K phones**



Powering **978 laptops**
for **8 hours a day**



Running **1340 lightbulbs**
for **6 hours a day**



**43 average
households**



**Solar energy
savings can
purchase**



221,948 vaccines



**6,936 children's
school books**



**21K days of food
rations for
an average family***

*average Yemeni family size
is seven