

COAL AND OIL FREE SCHOOL IN AL KHAREJA, EGYPT

The Secondary School for Boys



Since November 2019, an 8 kilowatt (KW) solar energy installation has been powering the secondary school for boys in Kharja City.



Visitors inspecting the school's electrical box.

The school is disconnected from the national grid and is dependent on renewable energy.



View of the Secondary School from its courtyard

The renewable energy installation is composed of 32 solar panels and a wind turbine.

The infrastructure cost is around 171,000 Egyptian pounds (~9,000 €), and fully powers all electric equipment and lightens the classrooms.



Front entrance of The Secondary School for Boys



The school is connected to the Egypt-PV grid to export the excess of energy.

The electricity bill always has a positive balance, helping to **GENERATE INCOME** for the school budget.

Out of 17 schools, the Al Khareja secondary school is considered the first solarized school within the Wadi Al Jadeed governorate. Since 2021, more schools in the region are becoming solarized as well. The wind turbine is currently unavailable, but it used to power the 4 batteries for the school's guard lights.



Students in The Secondary School for Boys

For more information about Fossil Free Zones check the website. LINGO works on accelerating the fossil endgame and the 100% renewable energy transformation.

