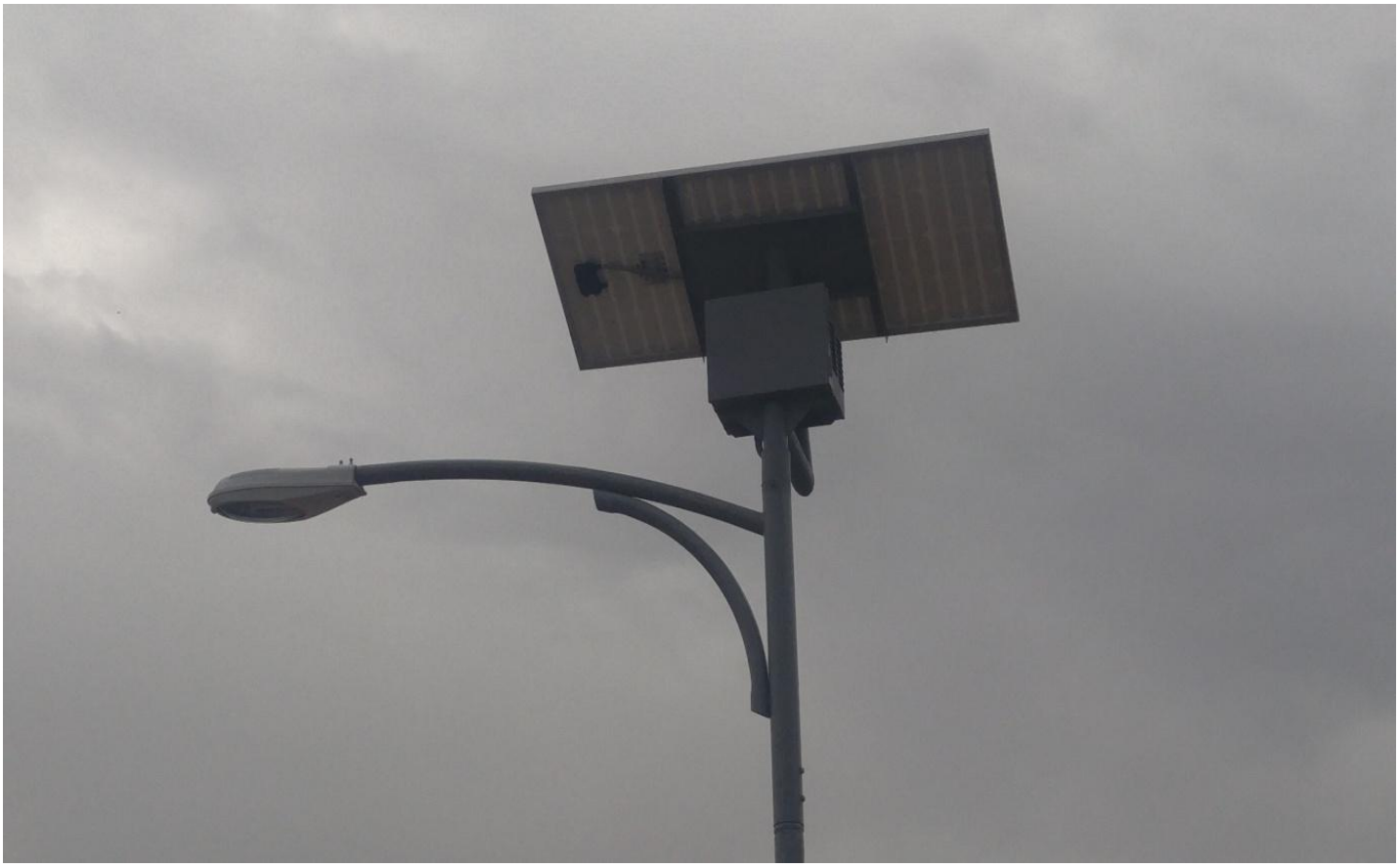
LED SOLAR CANDELABRE

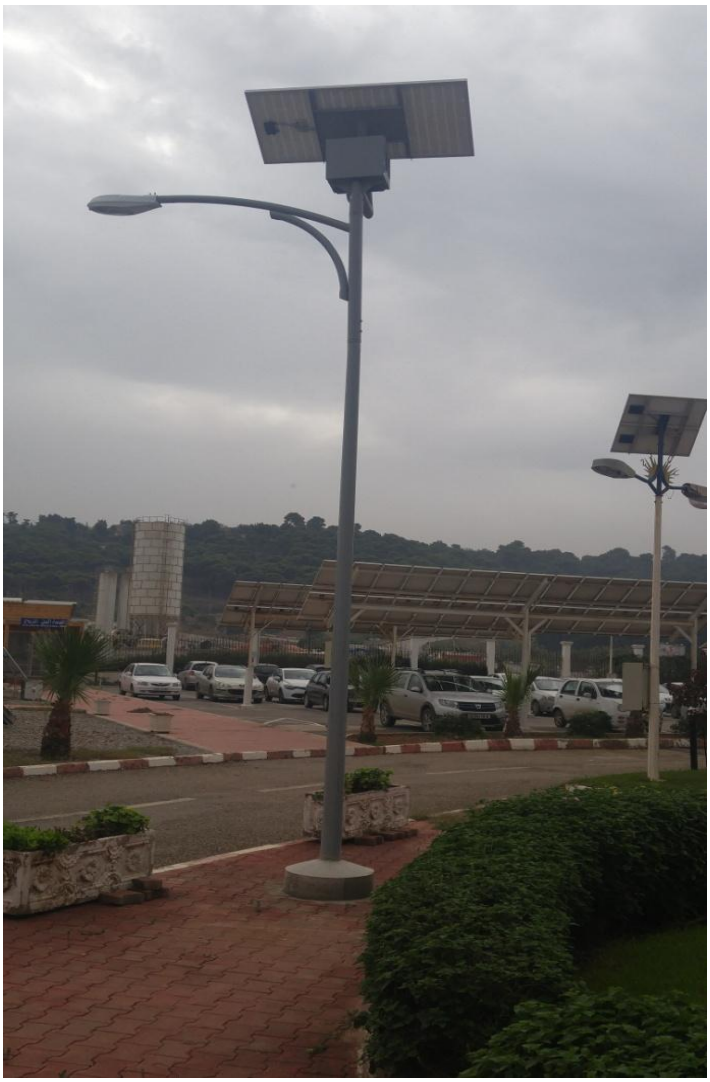
Lighting using solar energy is an economically viable option in many applications. Not only in areas where the cost of electricity supply is too expensive, but also in situations where reducing operating costs is a priority. The solar street lamp or solar candelabre is a type of street lamp that is powered by solar energy, it is equipped with solar panels that capture sunlight during the day, which allows to produce electricity, that is stored in batteries, and then restored at night for lighting. The lamp thus becomes autonomous in energy.

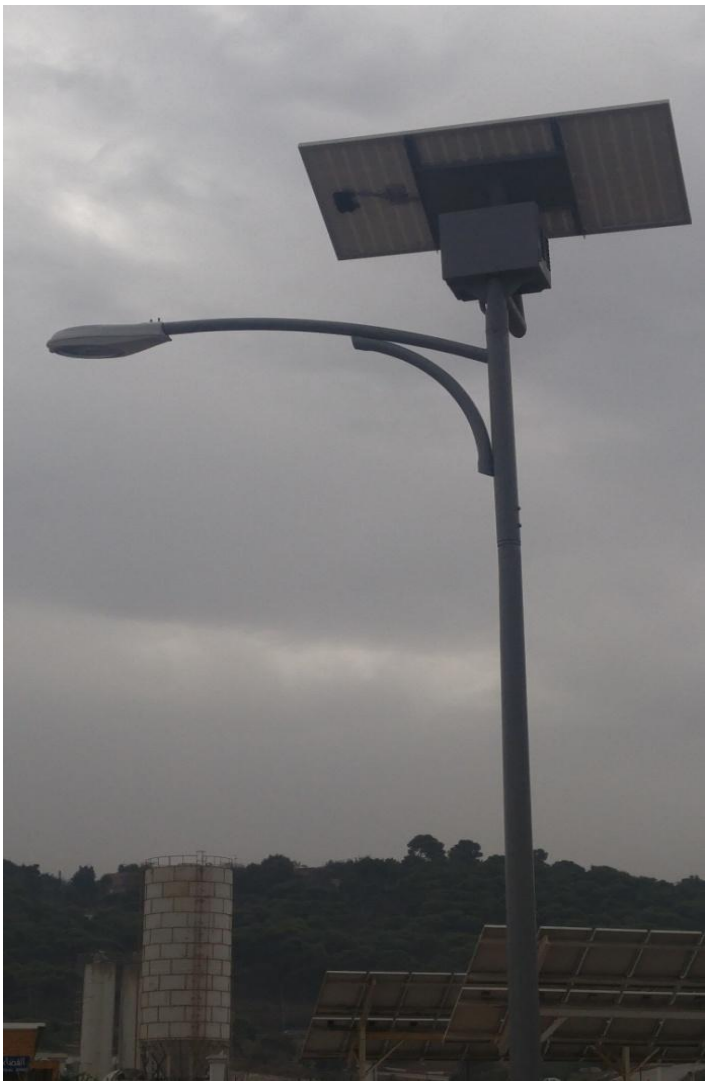
The challenge of saving energy and greenhouse gas emissions is important. According to the Ecofin Agency, "the United Nations reminds that public lighting accounts for 5% of the electricity consumed in the world and that cost-effective techniques exist to save this huge manna which corresponds approximately to the power consumption "

This high efficiency solar street light is equipped with a box containing a battery and a load regulator placed on the top of the mast at a height of 4 meters and this for its protection against theft and vandalism, it is suitable for autonomous solar lighting of lanes, parks, car parks, industrial zones, pedestrian paths, communities, campsites, or powerful solar lighting of gardens,no cost of electricity and no cable to pull.

By the use of LED lights, it becomes easier to illuminate "correctly"; light power can be more easily modulated during the night following a schedule. So, the power consumption is greatly reduced and the lighting and marking functions are always fulfilled.







Technical characteristics :

Working voltage: 12VDC

Peak power of photovoltaic panel: 110Wc

Height of the luminaire location: 4m

Structure: Galvanized steel

Degree of sealing of the luminaire: IP65

Luminous efficiency: 100Lm / W

Lighting power: 3000Lumens

Charge controller type: Twilight 10A

installed battery : 100Ah / 12V AGM-GEL

Battery life: 3 days