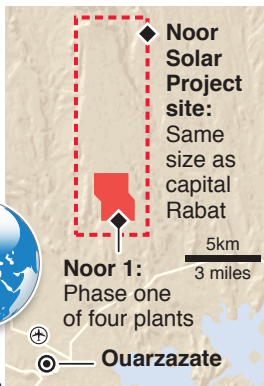


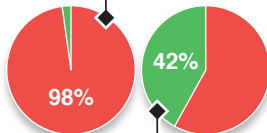
Morocco's ambitious Noor Solar Project

The first phase of the \$9bn Noor Solar Project in the Moroccan Sahara is set to open in December. It will harness the sun's warmth to store heat in molten salt and use it to generate electricity even after dark



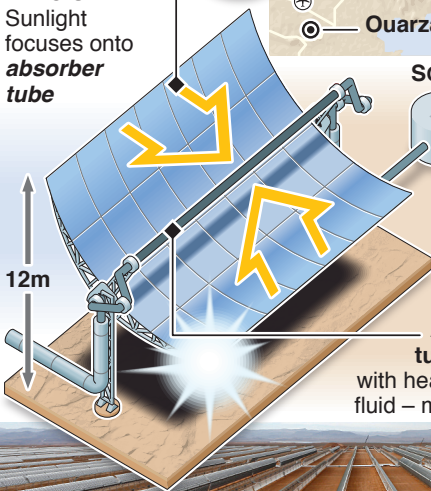
MOROCCAN POWER

Now: Dependent on imported fossil fuels (electricity imported from Spain)



By 2020: Electricity generated from own renewables (potential to re-export to Europe)

Parabolic mirrors
Sunlight focuses onto **absorber tube**



SOLAR THERMAL PLANT

Storage: Molten salt (393°C) fed into tanks

Heat exchange: Steam generated from stored heat

Turbine: Steam drives turbine which generates electricity, initially for three hours

Absorber tube: Filled with heat transfer fluid – molten salt



Noor 1: 500,000 mirrors will generate 160MW of power