

# The world's first solar power plant



## Overview

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In 1892, Frank Shuman was granted a patent for his invention of. Additional patents were issued relating to the process of making wire glass and machines for making wire glass. In 1914 Shuman invented a process for making laminated safety glass, called safety glass, and manufactured by the Safety Glass Company. In 1916 he patented a "Danger Signal" for railroad crossings, as well as the use of liquid oxygen or liquid air to propel a submarine.

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### Frank Shuman

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### [The First Solar Power Plant in History: Frank Shuman's Innovation](#)

The decision to build the world's first solar power plant in Egypt, in the locality of Maadi, was no coincidence. The country, blessed with sunshine for most of the year, provided the ideal conditions to



### Frank Shuman: The Architect of the Sun

In 1910, a remarkable event disrupted the world of engineering when Frank Shuman built the first modern solar power plant. His ambitions led him to Egypt,

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## First solar plant in the world

To compete with coal on more equal footing, he reasoned, a solar plant would need to be able to run an industrial sized, 1000-horsepower steam



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## First solar plant in the world

Flush with success, fame, and funds, Shuman envisioned solar power plants on vast scales, going so far as to begin sketching designs for a

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### The forgotten 20th Century 'Sun engine'

Little more than a decade later, the first full-scale solar energy plant, the Solar Energy Generating Systems (Segs) facility was unveiled in California's Mojave

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### Who Made The First Solar Power Plant

Shuman established the world's first solar thermal power station in Maadi, Egypt, from 1912 to 1913. This innovative plant utilized semi-circular troughs to operate a 60-70 horsepower

### A Look At How The World's First Solar Power Plant

In Egypt over a century ago, amid the then mostly rural Cairo suburb of Maadi, the world's first solar power plant was built in 1913. In a world of coal





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