



Solar steam for industrial processes



Tech. company founded in 2014
specialized in concentrating solar energy

Our mission is to decarbonise the industry
sector using clean alternatives to
conventional fossil fuels.

Among other investors, SOLATOM is backed by:

- ENAGAS (The Spanish gas grid operator)



SOLATOM installs **solar boilers** for industrial processes

- ☀ Up to 30 bar pressure
- ☀ Steam, thermal oil and pressurized water
- ☀ Rooftop and ground
- ☀ With storage*



Magtel 2019 (Sevilla, SPAIN)

* Storage tanks only available using liquid phase (water or thermal oil)

Pre-assembled solar solution for steam and high temperature generation



Manufactured and calibrated in our factory (Spain)



Transported to our clients by truck or shipping container



Deployed and connected on field

Our solar boilers

Our desing allows the use of different commercial components

Tube receivers

Schott
2 projects



Archimede
7 projects

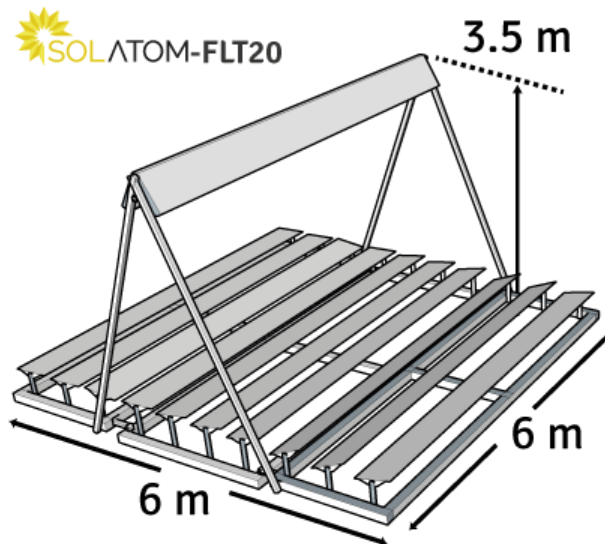


Mirrors

Rioglass
3 projects



Sundhy
6 projects



Module tested at
Plataforma Solar de Almería



Max. steam pressure	30 bar
Location	Rooftop or ground

Data for 1 module SOLATOM - FLT20

Thermal ouput*	14.5 kWt
Net aperture area	26.4 m ²
Land use	36 m ²
Specific weight (over the collector area)	26 kg/m ²
Max. operational wind speed	70 km/h
Max. wind speed (stowed)	150 km/h
Life expectancy	20 years

*Reference conditions: $DNI=900 \text{ W/m}^2$, $T_{\text{inlet}}=150^\circ\text{C}$, $T_{\text{outlet}}=180^\circ\text{C}$, $T_{\text{amb}}=30^\circ\text{C}$,
 $\theta_{\text{trans}}=0^\circ$, $\theta_{\text{long}}=0^\circ$



Shipping our solar boilers

The modules are shipped ready to deploy using **standard shipping containers**



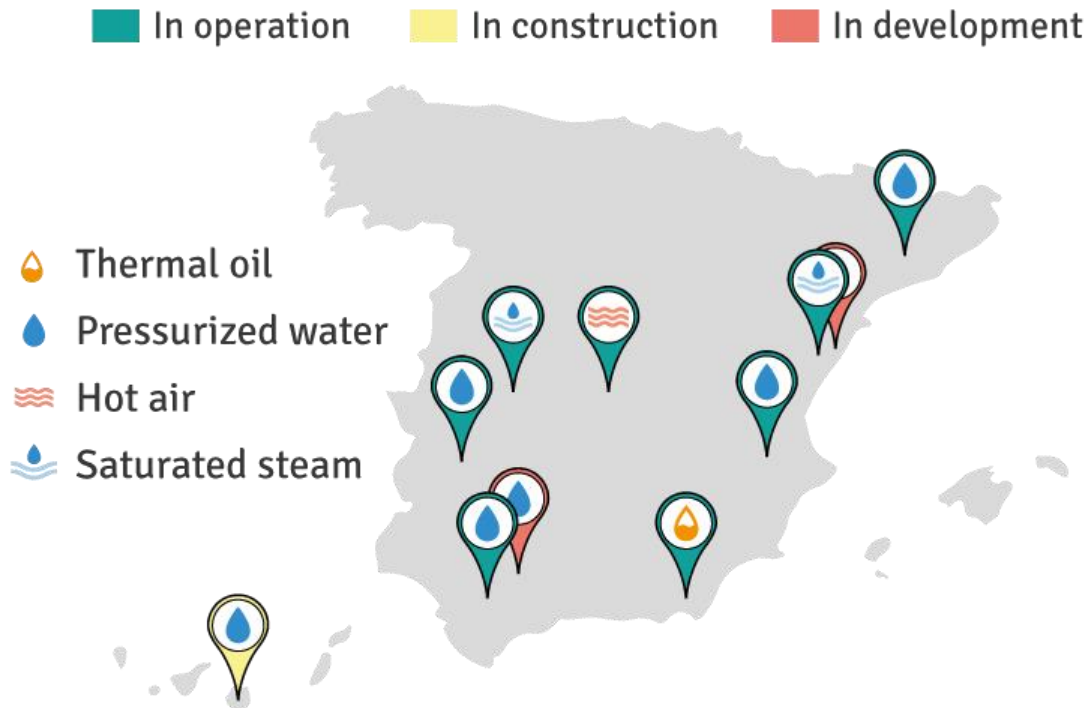
Two modules per 40 feet standard shipping container

Shipped fully pre-assembled

Unloading system shipped with the modules



1 out of 4 projects in Spain uses our modules



 Hot air
 350 °C




UCIII - Madrid (2018)

 Steam
 7 - 10 bar



Herma - Cáceres (2019)

 Pressurized water
 90 - 120°C



Natural Cork - Badajoz (2019)



Dadelos - Valencia (2017)



Solpinvap - Castellón (2019)



Magtel - Sevilla (2019)



Margalida - Girona (2018)

 Thermal oil
 225 °C



Solpinter - Almería (2019)



ITC - Canarias (2019)



Solar steam for industries



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