

PROJECT DETAILS

Customer: Sener, solar thermal plants Noor I and Noor II

Location: Ouarzazate, Morocco

Year: 2014

Sector: Energy

Division: Air



PROJECT DESCRIPTION

SENER is a private engineering and technology group founded in 1956 providing solutions in 3 business areas:

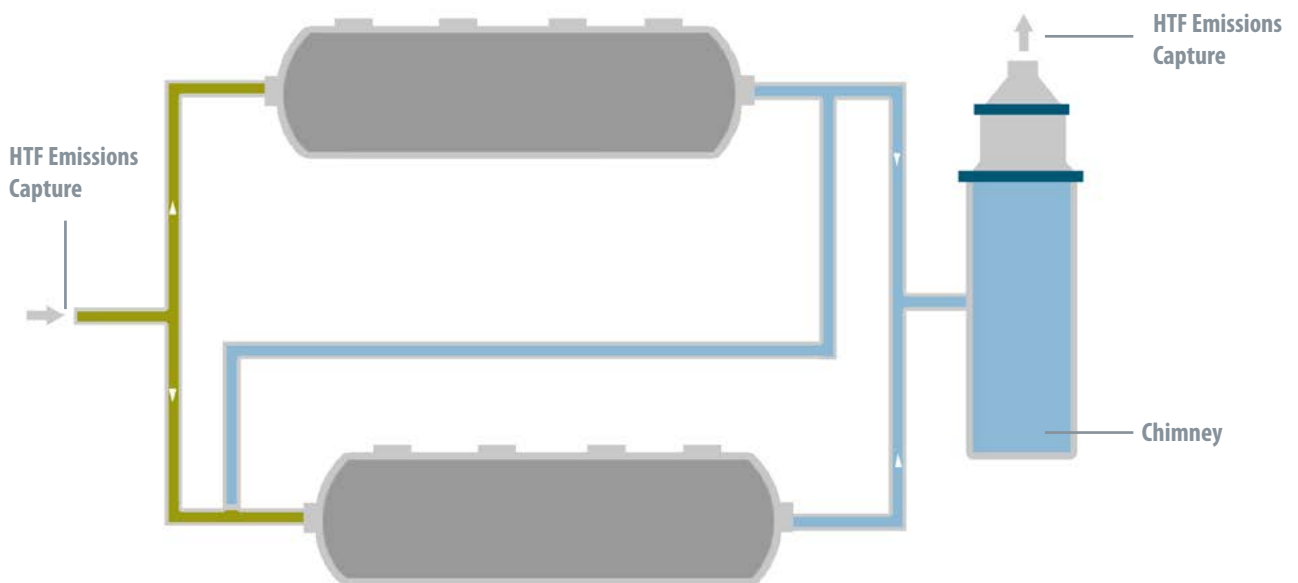
- Engineering and Construction: where SENER is an international reference company in the Aerospace, Infrastructure and Transport, Power, Oil & Gas and Marine sectors.
- Aeronautics: as the majority shareholder in ITP, leading industry worldwide in aeronautical engines and gas turbines, established by SENER in 1986.
- Energy and Environment: an area in where SENER promotes renewable energy projects and energy from waste recovery.



Request: NOOR I: Abatement of COVs in 2 flows of 1,600 kg/h and 925 kg/h of contaminated emissions from the HTF ullage system.

NOOR II: Abatement of COVs in 3 flows of 2,500 kg/h, 1,500 kg/h and 22,700 kg/h of contaminated emissions from the HTF ullage system.

Solution: Design, manufacture, assembly, inspection, testing, packaging and delivery of a set of activated carbon filters (2 x 100) to minimize emissions of VOCs and HAPs to the atmosphere, treating both the overflow and vent expansion tank.



RESULTS

Abatement of atmospheric emissions of over 99% in accordance with regulations.

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