

Questionnaire for preliminary analysis of Solar Thermal Heat System

Company information

1. Company name

2. Factory location

(GPS coordinates or exact address)

Thermal process data

3. Carrier fluid (water, steam...) WATER STEAM THERMAL OIL

4. Working pressure (bar)

5. Process temperature 150 155 160 165 170 175 180 185 190 195 200
205 210 215 220 225 230 235 240 245 250

6. Return temperature (in case of closed loop)

30 35 40 45 50 55 60 65 70 75 80
85 90 95 100 105 110 115 120 125 130

Boiler Information

7. Nominal power (select units and key in figure) ton/h kW MW

8. Fuel type (natural gas, LPG, diesel...) NATURAL GAS DIESEL FUEL OIL ELECTRICITY

9. Boiler maximum pressure (bar) bar

10. Efficiency (%) 70% 75% 80% 85% 90% 95%

Demand data for industrial heat

11. Total annual consumption (select units and key in figure) Nm³ Liter Ton. kWh

12. Working time (hours per day with industrial heat demand) DAY START FINISH
M - F
SAT
SUN

13. Monthly demand Jan Feb Mar Apr May Jun

Jul Aug Sep Oct Nov Dec

14. Other relevant information	Type	Description
	Weeks/months off <input type="radio"/>
	Round the clock / 365 <input type="radio"/>
	Round the clock / 5 days a week <input type="radio"/>
	Round the clock / 6 days a week <input type="radio"/>
	Other <input type="radio"/>

Economical Information

15. Unit price. (Nm³, liter, kWh...) (select units and key in figure) Nm³ Liter Ton. kWh

16. Current price. (select units and key in figure) \$ €

Available area for solar installation

17. Available area (sqm) Ground Rooftop

18. If it is on rooftop: Accessible Yes No

Flat Yes No Key in slope

Walkable Yes No

Height above the ground (m) 4 5 6 7 8 9 >10

Load resistance (kg/sqm)

Obstacles.....

Some more information about your project we should know as well

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