

## 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) Nm<sup>3</sup> 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="checkbox"/>                | .....       |
| Round the clock / 365 <input type="checkbox"/>           | .....       |
| Round the clock / 5 days a week <input type="checkbox"/> | .....       |
| Round the clock / 6 days a week <input type="checkbox"/> | .....       |
| Other <input type="checkbox"/>                           | .....       |

### Economical Information

15. Unit price. (Nm<sup>3</sup>, liter, kWh...) (select units and key in figure) Nm<sup>3</sup> 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

.....  
 .....