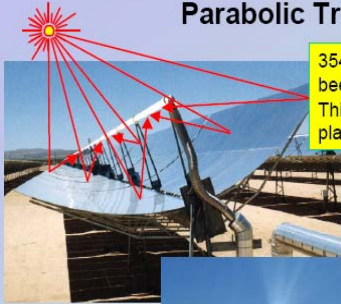


# Solare termodinamico per la produzione di energia elettrica

## Parabolic Troughs, Towers, Dish / Stirling

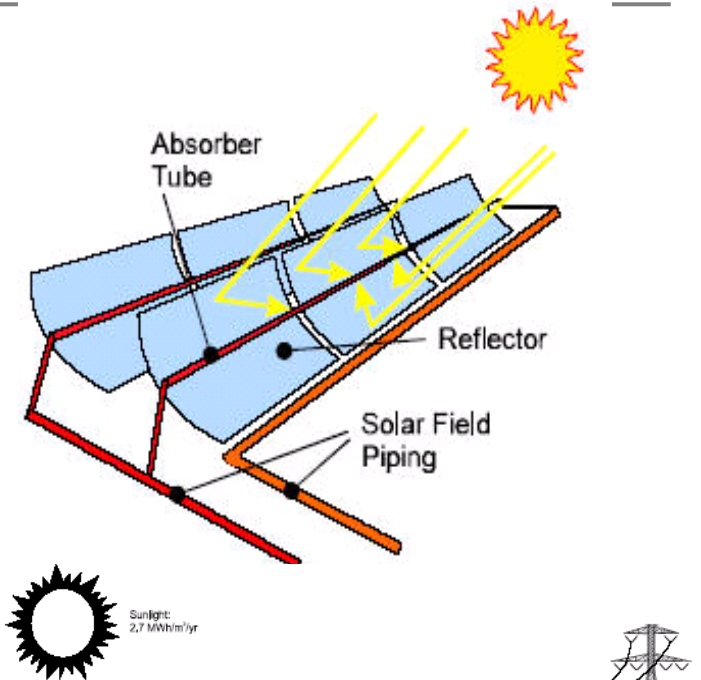


354 MWe of the **Parabolic Trough Technology** have successfully been operated in California for about fifteen years. This technology is proven and suitable for grid connected power plants of 30 to 200 MWe unit size.

The **Tower Technology** uses higher concentrations. Thereby higher temperatures and higher conversion efficiencies can be obtained. In the medium term this technology can be applied for grid connected power plants of 30 to 200 MWe unit size.



The **Dish / Stirling Technology** is suitable for smaller grid independent applications of 10 kW to 1 MW. The generation cost is much less than the one of photovoltaic installations.



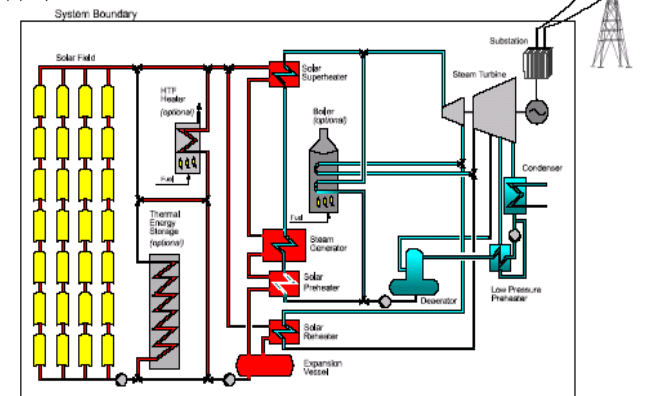
Sunlight: 2,7 MWh/m<sup>2</sup>/yr

## Tecnologie a livello commerciale o pre-commerciale:

- richiedono ulteriori sviluppi per l'abbattimento dei costi

## Attività in corso:

- sviluppo di componenti originali (coating selettivi per tubi ricevitori, fluidi termovettori)
- progettazione impianto pilota a collettori parabolici lineari come unità di testing



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