

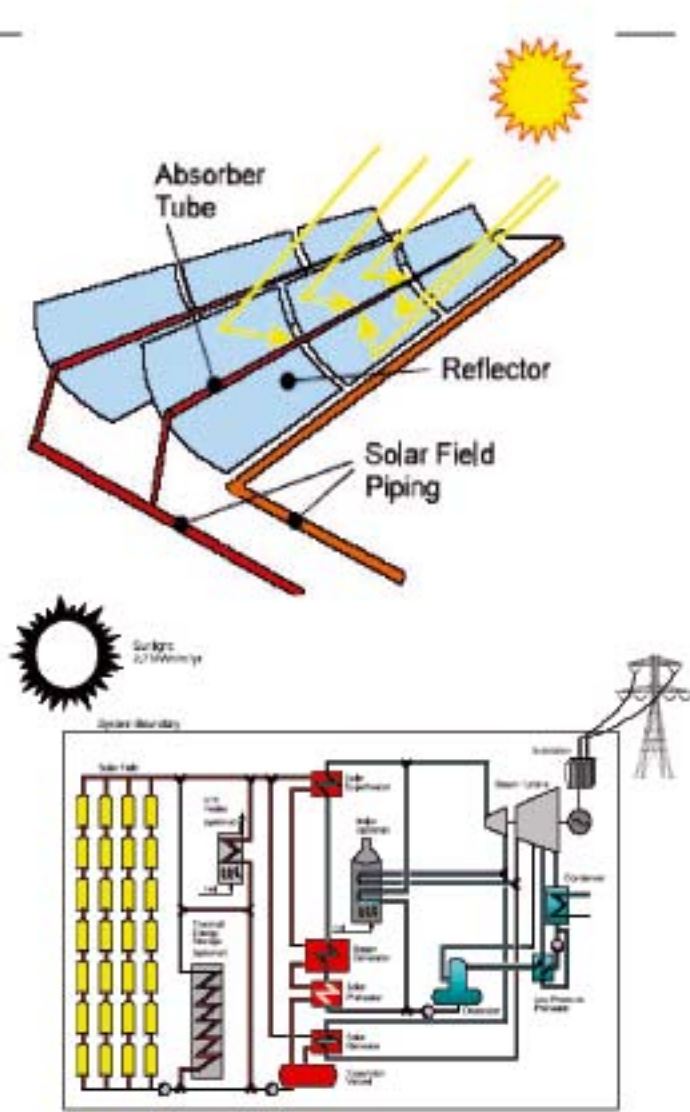
Concentrated Solar Power (CSP) for Electricity

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.



Commercial or pre-commercial technologies

- require further development to reduce costs

Ongoing Activities

- development of original components (pipe coating, thermovectors fluids)
- design of pilot plant with parabolic collectors as test units



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