



CAPTADOR DE ENERGÍA SOLAR
TÉRMICA DE CONCENTRACIÓN

CAPTADOR SOLAR LINEAL FRESNEL

La tecnología tiene patentes concedidas en
Chile y España

Autor principal: Diego Pulido
Centro de Desarrollo Energético de
Antofagasta (CDEA)

La tecnología consiste en el desarrollo de un sistema de concentración solar térmica, el cual se basa en los sistemas convencionales de reflectores Fresnel de foco lineal.

Entre los beneficios de la tecnología se destaca el incremento del rendimiento óptico de los captadores tipo Fresnel para potenciar su uso. Suministra calor a procesos industriales a partir de energía solar térmica de concentración. Es un sistema escalable compacto y único, y posee amplio rango de latitudes geográficas.

La tecnología alcanza un TRL 6.



SCONCENTRATING SOLAR THERMAL ENERGY COLLECTOR

LINEAR FRESNEL SOLAR COLLECTOR

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Main author: Diego Pulido
Antofagasta Energy Development Center
(CDEA)

The technology consists of the development of a solar thermal concentration system, which is based on conventional linear focus Fresnel reflector systems, whose operating principle consists in that the sun's ray are reflected by a set of mirrors with solar tracking that They direct them to their focal line, in which the receiver is placed, through which a fluid circulates that cools the wall of the element that absorbs solar energy and captures thermal energy (called heat transfer fluid).

To improve the optical performance of Fresnel type collectors to enhance their use. It supplies heat to industrial processes from concentrated solar thermal energy. It is a compact and unique scalable system and has a wide range of geographic latitudes.

The technology is at TRL 4.