

Steam Turbine Solution

for transitioning from Coal to Concentrated Solar Power (CSP)



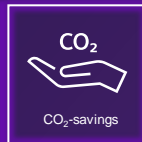
SST 700 - typically used steam turbine for CSP



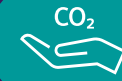
Reliability



Efficiency



CO₂-savings



Up to 100% CO₂ reduction from the process

Product Overview

Suited for all customers who want to transition from coal to solar power for their steam generation



Features

- New steam path
- Blading optimized to specific steam conditions of the process
- New turbine/ turbine internals designed for frequent start-ups
- Only minor to none modifications required for the piping and periphery



Benefits¹

Let's assume that a customer in district heating wants to replace fuel source from coal to concentrated solar power,

- ~ 100% power output from sustainable resources
- ~ 100% CO₂ free power generation
- < 3 years in ROI



Scope of work & Implementation

- The transition process starts with a study followed by a customized new turbine revamp/footprint solution
- The revamp is recommended to be done during the implementation of a new steam generation system

