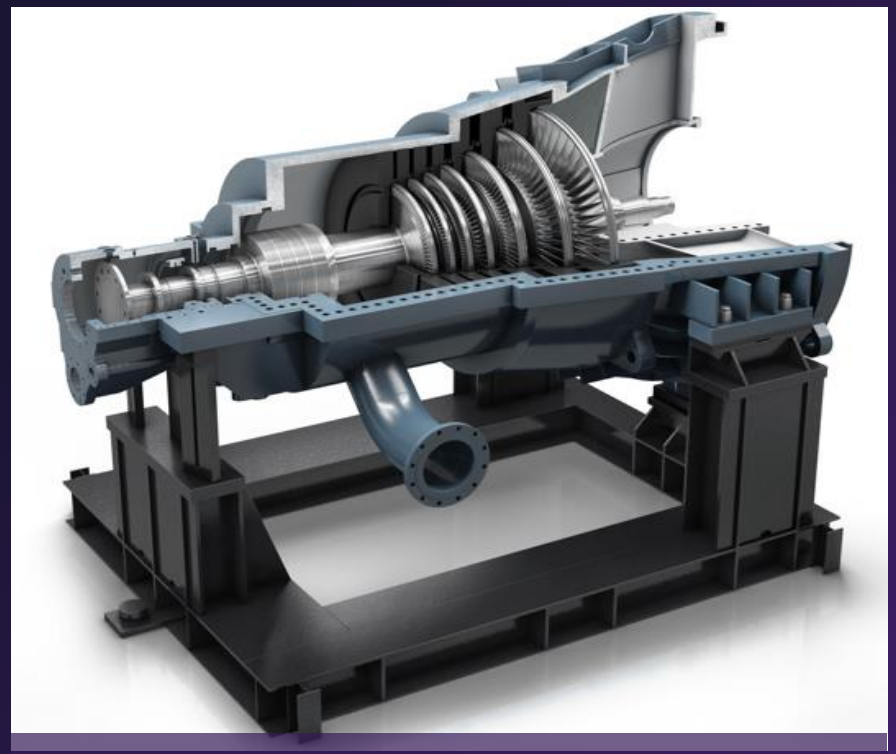
Steam Turbine Solution

for harnessing energy from Geothermal



SST400 GEO joint development of Siemens / Turbocare in 2011

Reliability

CO_2-savings

CO_2 Up to 100% CO2 reduction from the process

Product Overview

Suited for all customers who want to combine geothermal heat with their existing or a new footprint steam turbine

Features

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

Benefits[1]

Let's assume that a customer in district heating wants to combine geothermal heat with their existing steam turbine,

- ~ 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 installment of a new geothermal heat exchanger/boiler

1 Benefits depend on the unit type, MW, and application and will differ from customer to customer.

May 2022