

# Andasol 1 & 2

**50 MW, 7 hrs molten salt heat storage**

**EPC by the JV Cobra-SENER**

Pictures













# One SENERtrough full loop









# ANDASOL 1

# MOLTEN SALT STORAGE

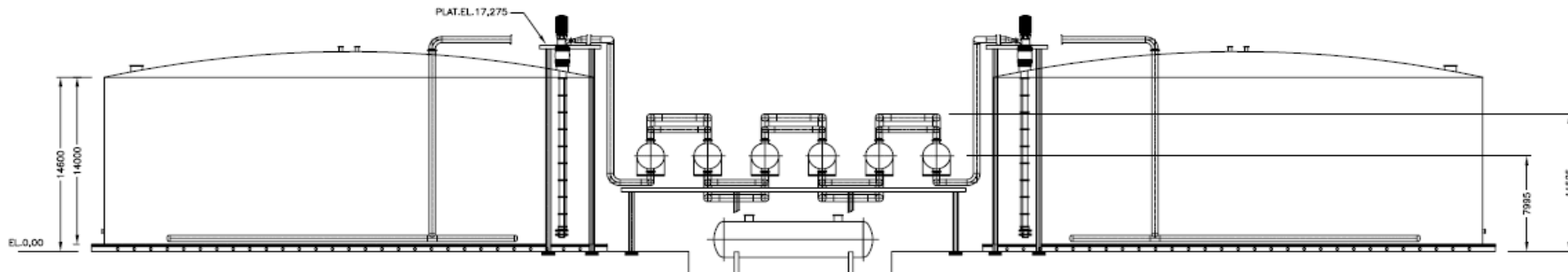
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Golden, CO**

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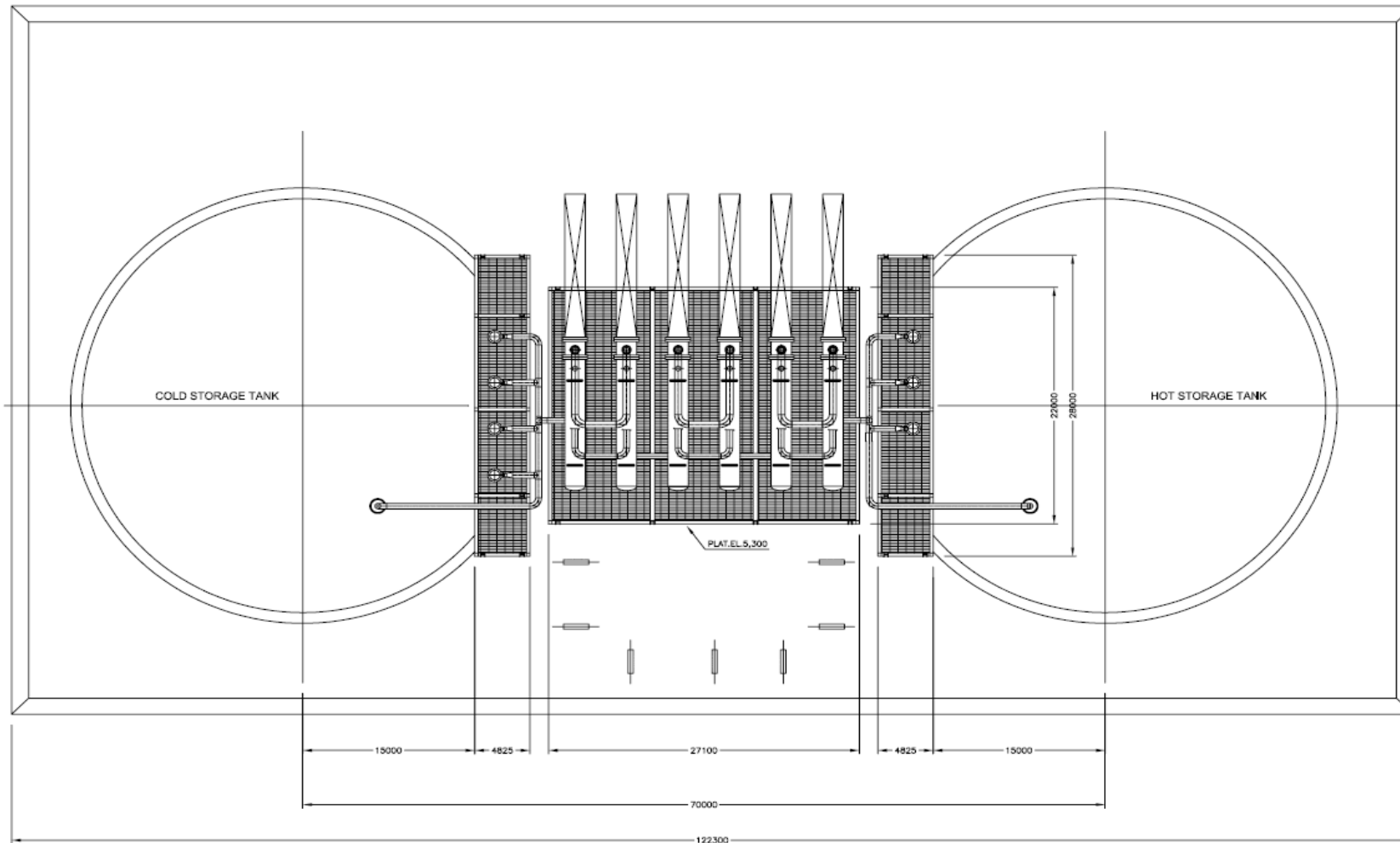
## ANDASOL 1 PLANT STORAGE SYSTEM

- ✓ NITRATE MOLTEN SALTS (60%  $\text{NaNO}_3$  + 40%  $\text{KNO}_3$ )
  
- ✓ TWO TANKS:
  - ✓ COLD: 292 °C
  - ✓ HOT: 386 °C
  - ✓ 14 m HEIGHT, 38.5 m DIAMETER
  - ✓ 1010 MWh CAPACITY = 7.7 EQUIVALENT HOURS = 28.500 TONNES
  
- ✓ HEAT EXCHANGERS HTF/SALTS
  - ✓ THERMAL DUTY: 131 MWt charging, 119 MWt discharging
  - ✓ NUMBER OF UNITS: 6
  
- ✓ PUMPS: 4 UNITS IN COLD TANK (3 + 1), 3 IN HOT TANK

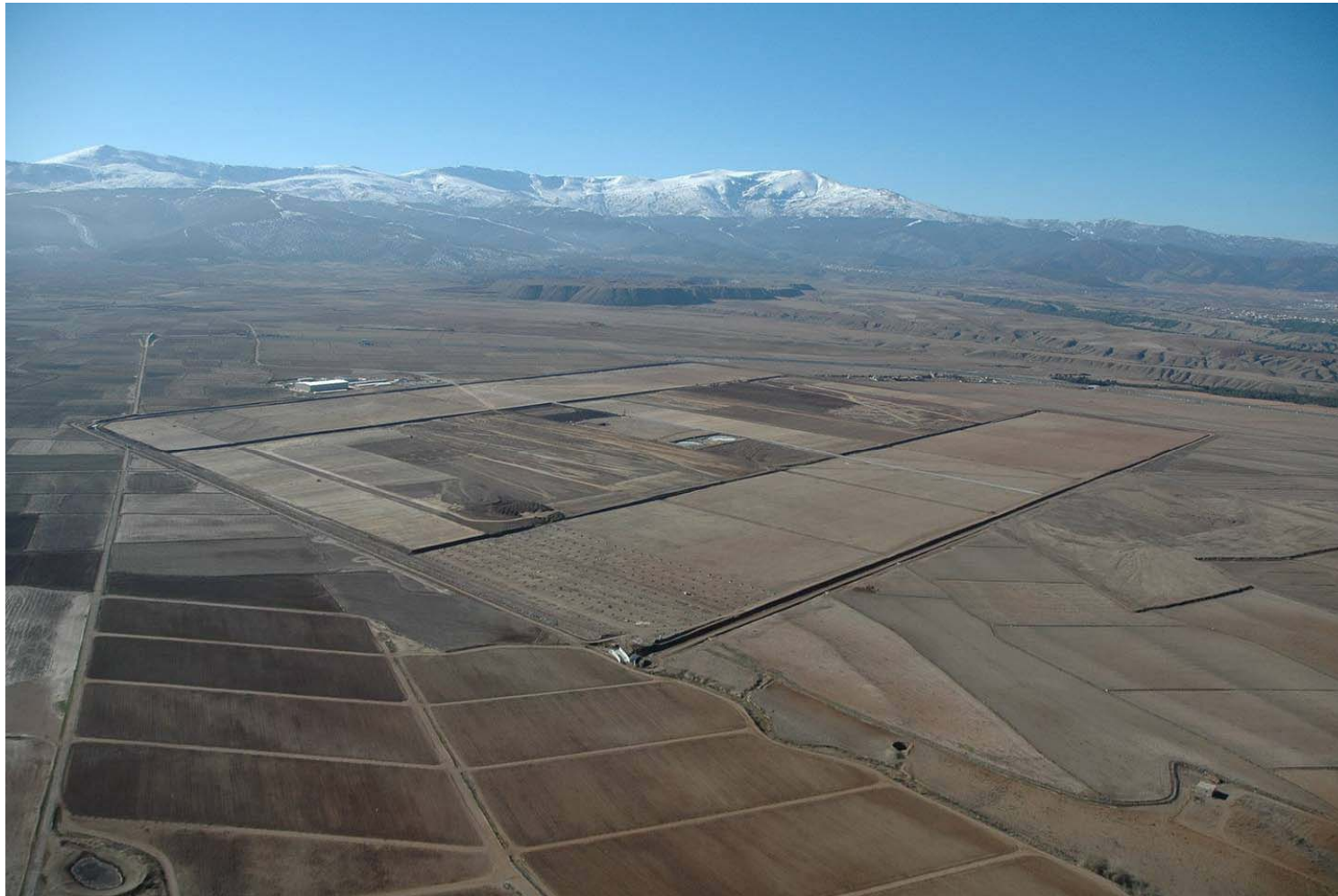
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