TURNKEY SOLAR STEAM GENERATORS FOR THERMAL ENHANCED OIL RECOVERY
A ROBUST AND COST EFFECTIVE SOLAR TECHNOLOGY
A SOLAR STEAM GENERATOR ESPECIALLY DESIGNED FOR OILFIELD OPERATIONS

Material and equipment compliant with oilfield feed water quality according to the American Petroleum Institute recommended practice 11T (API RP 11T).

Automatic mirror cleaning robot with very low water consumption. It ensures maximum optical efficiency for optimum steam production in a desert environment.

Smooth profile of steam production throughout the day enables easy regulation with existing once through steam gas generator. In this field SUNCNIM uses the extensive experience of CNIM and Babcock-Wanson group in conventional steam generators.

Compliance with ATEX and safety oilfield requirements (no thermal fluid used: no fire hazard)

Simple modular conception with mobile workshop for easy assembly on site

Lowest footprint for space confined installation.

SUNCNIM SOLAR STEAM GENERATOR REGULAR LOOP

- Solar field surface: 2.5 acres / 1 hectare
- Design: 2 lines of 4 SUNCNIM modules
- Daily steam production: 192 barrels/day - 31 tons/day
- Max steam pressure: 145 bars
- Max steam temperature: 340 °C
- Max steam quality: 100%

¹module feature: 900 m² of mirror; 67 per 18 meters
²Direct normal irradiation (DNI) of 2 000 kWh/m².year