



Construction of two hydrogen-ready combined cycle power plants in Germany



SENER ENERGY / HYDROGEN AND CARRIERS / GERMANY

*CONSTRUCTION OF TWO
HYDROGEN-READY COM-
BINED CYCLE POWER
PLANTS IN GERMANY*

Cliente: EnBW

País: Germany

**Estado actual: Under con-
struction**

We are part of an international consortium (Sener, General Electric and Bonatti) for the construction, maintenance and servicing work of **two hydrogen-ready combined cycle power plants** in Heilbronn and Altbach/Deizisau, Germany. This is a major energy transition project that will existing coal power plant sites into natural gas and, from the 2030s, green hydrogen plants.

The plants will be built on land adjacent to these coal plants and will share with them certain services such as the cooling tower, the workshop and warehouse or the control room.



A total of around **1,300 megawatts of electricity generation capacity** is set to be produced at the two power plant sites, with an initial capacity to burn 20 % hydrogen (H2) and they will be technologically prepared for an expansion of up to 100 %.

The plants are both located on the banks of a navigable river, along which heavy equipment is transported to the plants.

Together with Bonatti, Sener is responsible for the complete detailed engineering, the supply of the BoP (balance of plant) and the complete construction of the power plant buildings and its chimney with its foundation.

Prepared
for 100 %
operation
with H2

A boost
for the en-
ergy tran-
sition in
Europe

1,300 me-
gawatts
of electric-
ity genera-
tion ca-
pacity

CARACTERÍSTICAS DEL PROYECTO

- Potencia eléctrica de unos 680 MW (por planta)



- Potencia térmica de calor de 190 MW (Heilbronn) y 180 MW (Altbach/Deizisau) para la extracción de calor. Turbina 9HA.01 de GE.
 - Límites de batería dentro de la planta.
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