



# Biomass cogeneration plant Sisslerfeld

ENERGIEPARK SISSLERFELD AG



**CUSTOMER SEGMENT**  
Steam & Air

**BRAND**  
Equans

**TYPE OF WORK**  
HVAC

**PROJECT LOCATION**  
Switzerland, Sisseln

**COUNTRY IN CHARGE OF EXECUTION**  
Switzerland

**FORM OF CONTRACT**  
Design, engineering & consulting

**ROLE IN PROJECT**  
Main Contractor

**PERIOD**  
2017-05 - 2019-04

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The collaboration between the three partners DSM, ewz and EQUANS was intended to **replace the old gas-fired boiler plant** DSM Nutritional Products premises in Sisseln with a sustainable energy plant, and to secure the supply of process steam.  
A biomass cogeneration plant was built for this purpose.



## Equans solutions

Caliqua delivered the biomass power plant on turnkey-basis, including civil works and building, **material supply, installation and commissioning** of the plant. It consists of:

- 1 **wood-fired boiler**, steam output of 45t/h at 105bar and 525°C
- Complete **wood logistics** and feeding for approx. 450,000m<sup>3</sup>/year, incl. fully automatic heating value detection
- **Wood bunker** with 5.600m<sup>3</sup>



## Customer benefits

The customer benefits from **highly available and efficient steam production**.

The possibility of burning untreated wood chips ensures a **favourable and local fuel supply**.

120 t/h

process steam capacity

7.5 MW

electrical energy

135 t/h

peak load steam capacity