

> Geothermal power plant

Activities and references

> Activities

Since 2010 our Business Unit develops the geothermal activity

> The works and services performed

- EPC contractor for turnkey projects :
 - Geothermal power plant – steam and binary cycle (5 to 20MW)
- Electrical contractor for Electrical balance of plant (EBop)
 - Geothermal power plant – steam and binary cycle (up to 20MW)

> Scope of expertise :

- Budgetary and evaluation of potential projects
- Supports financing
- Engineering works for civil work, mechanical and electrical equipment :
 - Civil work
 - AC & DC power distribution system
 - Automation – Supervisory & data processing – Instrumentation
 - Communication – LAN – safety – video
 - Mechanics – piping- HVAC
 - DENOX & gaz analysing system
 - Transformers, MV/LV distribution boards
 - HV substation
 - UPS and emergency genset
- E.P. Project Management and project Logistics :
 - Construction and Erection works (civil works, Mechanical, Electrical, I &C)
 - Power plant commissioning and handing-over
 - Maintenance and operation
 - Optimization operating management
 - Training

> Principals references :

- 2013/2014 : Rewamping of electrical package and turbine rotor of B1 4 MWe power plant Bouillante
- 2004/2005 :Electrical BOP of second stage B2 - 11MWe power plant Bouillante in Guadeloupe
- 1994/1995 : Rewamping BOP electrical, mechanical, transformer, instrumentation and commissioning of power plant and B1 - 4MWe Bouillante in Guadeloupe

> Who we are :

Clemessy is a recognized expert in both EPC power plants and electrical & mechanical BOP Projects.

- Clemessy Group's (5000 employees) core activities are around three types of businesses:
 - Projects & Proximity ; Systems & Expertise ; Maintenance & Services
- Eiffage Group (70000 employees) is the principal shareholder of Clemessy
- Eiffage Group is a French leader in Civil works construction, Concession &Public-Private Partnership, Public infrastructure works, Metal construction and Energy (with Clemessy)



reference

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