



PowerCrop - Russi

Akuo Energy - CBN

JG Pears - Newark

Tilbury Green Power

Østkraft

Cofely - Biolacq Energies

Cofely - BES VSG

Cofely - SODC Orleans

Roths CoRDe

Zignago Power

Cofely - BCN

Verdo Production - Randers

Western Wood Energy Plant

FunderMax - Neudörf

Linz-Mitte

Boehringer Ingelheim

Schneider - Biopower

Swiss Krono - Heiligengrabe

Pfleiderer - Neumarkt

Pfleiderer - Gütersloh

Egger - Pannovoges

EPR - Glanford

Aalborg Energie Teknik a/s Biomass Boiler Plant

ENGIE COFELY, Bio Cogelyo Normandie, France

Bio Cogelyo Normandie (BCN) Plant is a biomass-fired CHP plant with an annual fuel input of 165,000 tons of forestry wood, and clean, uncontaminated residues from wood processing.

Performance Test

The biomass boiler plant was successfully commissioned and handed over at the end of 2011 and the official performance tests carried out by Bureau Veritas (APR 2013) achieved the following performances:

- | Boiler efficiency of an impressive: 93%
- | In-house power consumption of <1.6% of fuel heat input
- | Emissions below European standards.

All measured performances were better than the guaranteed performances by a good margin.

AET supply

AET designed, supplied, constructed and commissioned the following scope of supply:

- | AET fuel dosing system
- | [AET Combustion System](#) with AET Spreader Stoker and AET-Biograte
- | Oil burner
- | [AET Biomass Boiler](#) with superheater and economiser
- | [AET SNCR deNOx system](#) (installed in 2014)
- | AET Combustion air system
- | AET air steam preheaters
- | Bag filter
- | Flue gas system and stack
- | Ash handling system
- | Piping and ducting
- | Insulation
- | Structural steel for boiler and boiler house and cladding
- | Platforms and stairs
- | Instrumentation
- | PLC-control.

Additional Information

- | An interesting article has been published in Bioenergy insight (DEC 2012): "Pedalling towards CHP goals", which explains the environmental impact of the project, ENGIE Cofely and regulations in France and project performance. [Read more.](#)
- | Biomass has become a rapidly increasing energy source for ENGIE Cofely, which has seen an increase in the number of projects using biomass. Most of the projects are based on wood but also on the development of energy crops and the use of cereal waste. [Read more.](#)
- | As a result of the order from Cofely Services for the BCN project in Normandy and the focus on the French market, AET was awarded the French-Danish Trade Union Export Prize 2010 (18.01.2011) [Read more.](#)

Questions? Need detailed information?

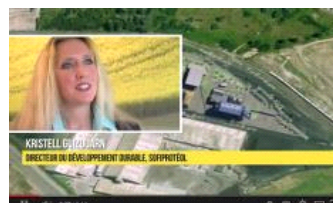
To obtain more information about this biomass plant and/or generally about Aalborg Energie Teknik a/s:

[Contact AET sales here](#)

Boiler:	55 MW _{fuel heat input} 92 bara 512°C
Electrical:	9 MW _e
Process energy:	36 MW _{thermal}



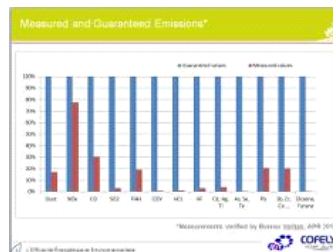
Video from BCN - ENGIE Cofely : the biomass cogeneration facility for the Saipol plant in Grand-Couronne: BCN. It is one of the largest biomass combined heat and power plants in France.



Video from the construction of the BCN plant. [Click here.](#)



The biomass-fired CHP plant Cofely - BCN has an impressive boiler efficiency.



A joint presentation between Cofely Services and AET was made at PowerGen 2012.



Rothes CoRDe Ltd is a biomass-fired cogeneration plant in Scotland fuelled by a whisky by-product and clean wood.

[Read more about Rothes CoRDe.](#)



The SODC Orléans cogeneration plant supplies district heating to 15,000 homes, equivalent to 27% of the city of Orléans.

[Read more about SODC Orléans](#)



In Landes, France, a 50 MW biomass-fired plant was successfully delivered to Cofely Engie (former GDF SUEZ) in May 2015.

[Read more about BES VSG.](#)



The Biolaq Energies project, in Lacq, is a biomass-fired CHP plant of 54 MW, that utilises forestry wood, and clean, uncontaminated residues from wood processing.

[Read more about Biolaq](#)

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Zignago Power s.r.l.–successfully producing Green Energy in Italy

The 49 MW Zignago Biomass power plant in Italy, owned and managed by Zignago Power s.r.l., belonging to the Marzotto family empire, has since its installation in 2013 been running with a very high availability (98,8%). The plant utilises wood residues and agricultural waste such as straw, miscanthus and maize. [>Read more](#)

