

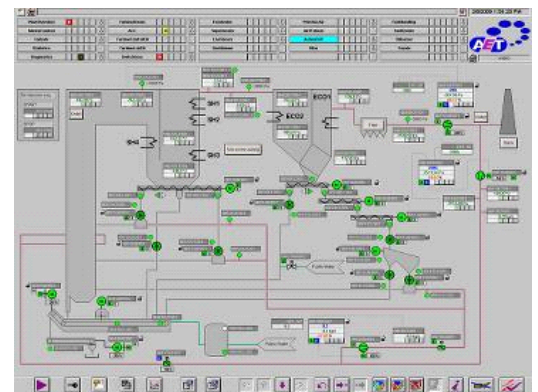


## Core Business

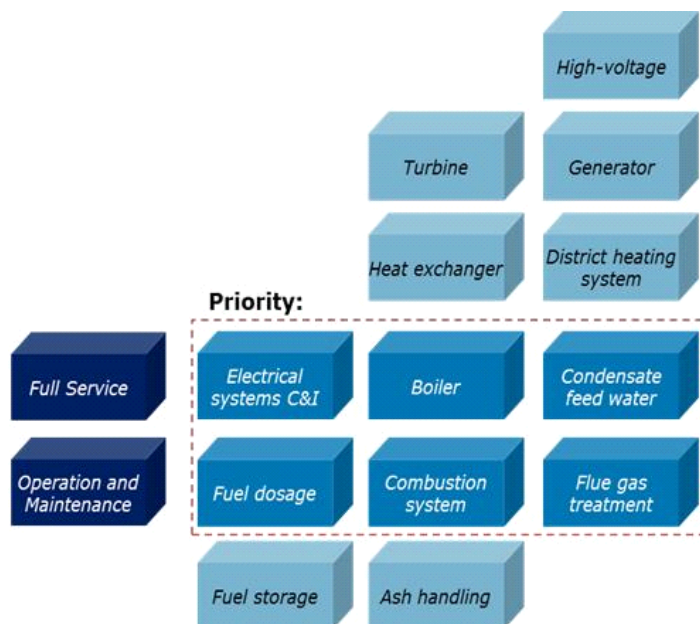
Aalborg Energie Teknik a/s (AET) is an engineering company which designs, supplies, commissions and services biomass-fired boilers as well as full power or combined heat & power plants (CHP). Furthermore, we are also able to supply all sub-systems for a complete turnkey biomass-fired power or CHP plant.

AET has given special priority to biomass-related plant systems and equipment within the dotted line shown in the diagram below. Total supply of these systems ensures:

- High efficiency » good customer business case
- High reliability » even better customer business case
- Optimal combustion » low flue gas emissions



SRO control system.



### Boiler

AET makes the detailed designs for the [AET Boiler Concept](#) as well as procures both manufacturing and erection services from reliable, well-known and pre-qualified suppliers.

### Fuel Dosing and Combustion System

AET decided a long time ago to in-source the design of this equipment and this is a primary reason why [AET Combustion System](#) is a well-proven brand in the business. These components, together with the boiler design, optimise the combustion process and thus give our plants unique emission levels and operating conditions such as low in-house power consumption and extremely high availability.

All together, the AET combustion system forms a unique solution for AET's customers and several plants have been selected as **Best Available Technology (BAT)**. Please see also the IPPC report 'Large Combustion Plants' published by the EU in 2006.

- 1 Read an extract of the [Large Combustion Plants](#) report (285 kb pdf)
- 1 Download the full [IPPC-report](#) (22 Mb pdf)

### Electrical System, Control & Instrumentation

In most cases, AET also supplies this for the boiler plants since it is increasingly recognised within the



Cofely Services - Bio Cogelyo Normandie (BCN) in France is a biomass-fired cogeneration plant with an annual fuel input of 165,000 tons of biomass fuel.

industry that the control system is essential for optimal control of the combustion.

### Condensate, Feed Water and Flue Gas Handling

These subsystems are highly dependant of the boiler design. AET designs each subsystem within the project to ensure it complies with the requirements of the overall plant design.

## LATEST COMMISSIONED PROJECTS

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

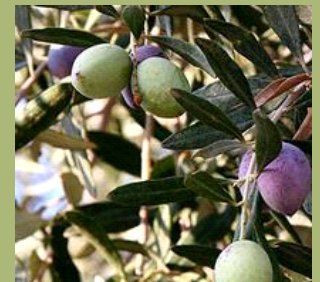
[Read more about Biolacq](#)

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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](#)



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Aalborg Energie Teknik a/s   Alfred Nobels Vej 21 F   9220 Aalborg East, Denmark   Tel +45 96 32 86 00   [aet@aet-biomass.com](mailto:aet@aet-biomass.com)