



AET Products

AET designs and supplies complete biomass-fired boilers, combined heat and power (CHP) plants as well as power plants.

Some of the benefits of an AET plant are:

- | The unique [AET Combustion System](#)
 - » Low flue gas emissions
 - » High combustion efficiency
 - » Low in-house power consumption and
 - » Best Available Technology
- | [High fuel flexibility](#)
 - » Lower operational costs
- | High boiler and plant efficiency
 - » Optimised heat balance
 - » Good customer business case
- | High availability
 - » Improved customer business case



Helius CoRDe Ltd is a biomass-fired cogeneration plant in Scotland fuelled with a whisky by-product and clean wood. The plant was commissioned in 2013.

AET Biomass Boiler

AET carries out the basic and detailed design of the [AET Biomass Boiler](#) and procures materials, manufacturing and erection from reliable and reputable suppliers.

AET Combustion System

The [AET Combustion System](#) is a well-proven technology and a brand in the biomass business. This system, together with the boiler design, optimises the combustion process giving our plants unique emissions and operational conditions such as low in-house power consumption and extremely high availability.

Altogether, the AET Combustion System forms a unique solution for AET's customers and several plants have been selected to be **Best Available Technology (BAT)** - as described in the IPPC report 'Large Combustion Plants' made by the EU in 2006.

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

Fuel Handling

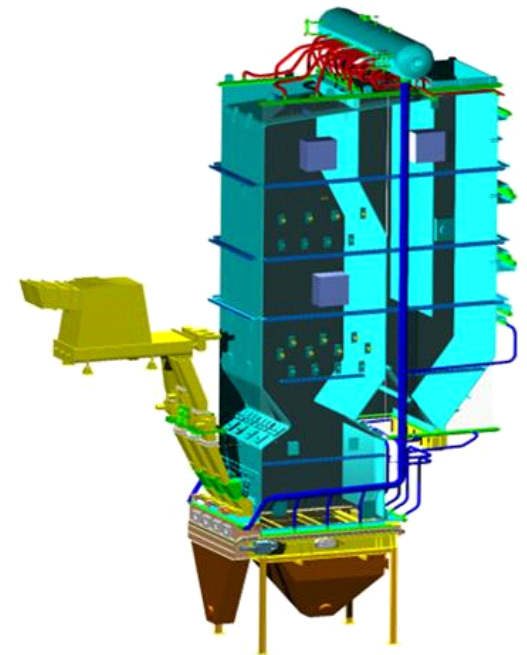
The fuel handling systems are customised to the plant specific requirements and the basic design is within AET.

Steam Turbine Generator (STG) and Condenser

The water/steam cycle is optimised by experienced AET engineers with the use of advanced software programmes, and the STG is specified by AET and purchased from leading manufacturers.

Condensate, Feed Water and Flue Gas Cleaning

These systems are very much linked to the boiler design; AET designs each component within the supply to make sure that it fits the overall design of the plant.

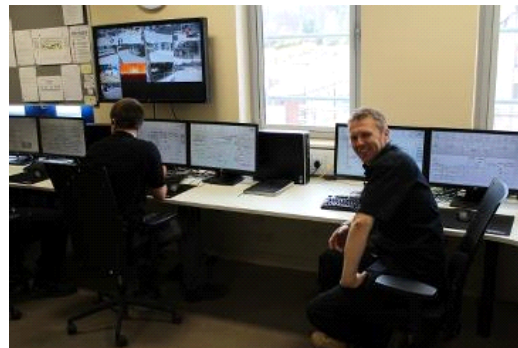


The AET Fuel Dosing System and the AET Combustion System has been perfected by skilled and very experienced engineers to burn a wide range of biomass fuels and to obtain the best possible availability and return on investment.

AET also offers its in-house designed and high performance [AET SNCR deNOx system](#) for new plants as well as retrofitting of existing plants.

PLC Control and SCADA System

Most often, AET supplies these systems since it is recognised within the industry that the [PLC control and SCADA system](#) are essential for perfect control of the combustion and the high availability of the plant.



Control room at Helius CoRDe CHP plant in Scotland, where the staff can supervise and control the combustion using the AET SCADA System.

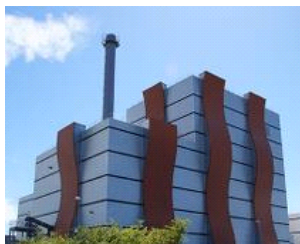
LATEST COMMISSIONED PROJECTS

[> GO TO ALL BIOMASS PROJECTS](#)



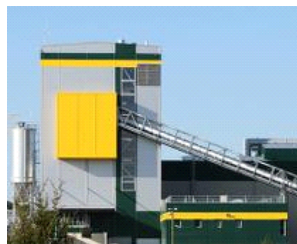
Rothes CoRDe Ltd is a biomass-fired cogeneration plant in Scotland fuelled by a whisky by-product and clean wood.

[Read more about Rothes CoRDe.](#)



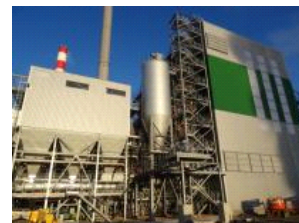
The SODC Orléans cogeneration plant supplies district heating to 15,000 homes, equivalent to 27% of the city of Orléans.

[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.

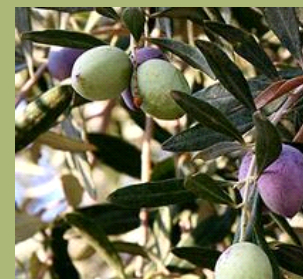
[Read more about Biolacq](#)

FOCUS ON

[> Read full Focus](#) [> Go to Archive](#)

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](#)



www.aet-biomass.com // [Home](#) // [Products](#)

[> Cookies](#) // [> Sitemap](#) // [> Terms of use](#) // © AET

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