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## Bio-Mass Projects

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Melia Smith & Jones have worked on a number of projects with Bio-mass as their intended fuel. The energy part of the plant is very familiar to us due to our long involvement in the waste sector and Energy from Waste plants.

Melia Smith & Jones have worked on:

- Clean wood
- Straw
- Distillery Waste
- Waste Wood

Our involvement has ranged from

- Arranging site geotechnical investigations
- Civil engineering advice and performance specifications
- Owner's Civil Engineer
- Outline designs for Planning and Environmental permit applications

We have worked with:

- Standardkessel - Speyside
- Evonik – Ridham Dock
- SSE - Ferrybridge
- E.On - Lockerbie
- Eco2 – Sleaford

Melia Smith & Jones have worked up proposed site layouts for clean wood projects in Scotland. These have been used for cost estimates and for the Planning Process.



The Helius CoRD project near Rothes on Speyside is a new facility to provide energy by incineration of timber and spent barley 'draff' produced as a residue of the whisky process. Melia Smith & Jones were appointed as the Owner's Civil Engineer and oversaw the foundation works on site.



Melia Smith & Jones were employed as the Civil Works lead designer by Standardkessel GmbH to bring their proposal for a clean wood burning plant to fruition in the Highlands of Scotland in Speyside. Standardkessel worked with Estover Energy, the scheme promoter, to get planning approvals, permits and finance of the plant as well as finalising long term wood supply contracts within a 60mile radius of the proposed site.

Construction work commenced in 2014 and started exporting energy 25 months later, ahead of time and to budget. Standardkessel provided the EPC wrap and the civil works were procured under a Construction Management methodology.

The facility generates 12 MWe energy and supplies steam to the adjacent Macallan Distillery.