

# Speyside Bio-Mass CHP



SPV: Speyside Renewable Energy Partnership Ltd  
EPC: Standardkessel GmbH  
Civil Works Manager: Chilworth Construction Management  
Lead Civil Designer: Melia Smith & Jones Ltd



Situated in the Scottish highlands, some 15 miles south of Elgin, the Speyside Biomass CHP project is designed to burn 150,000 tpa clean wood. It exports 9MW process steam to the Macallan Whiskey Distillery in addition to 12.5MW which is sent to the electricity grid.



Melia Smith & Jones were involved in the project from the initial project stages, through to completion. We led the civil design works

working closely with the process designers, Standardkessel, in Germany. Standardkessel were responsible for the design of the superstructures to the Boiler and Turbine Halls as well as specific equipment steelwork such as the ESP and ACC. Melia Smith & Jones handled the design of all the foundation substructures and all the other ancillary buildings. In addition we did the site layouts, roads and hardstandings and co-ordinated all underground services.

Melia Smith & Jones' role included:

- Initial scheme development plans.
- Preparation of drawings for Planning Approval.
- Detailed design of all foundations.
- External works (drainage, roads, earthworks).
- Superstructures to Fuel Store, Workshops and ancillary buildings.
- Design co-ordination between process and civils designers, incl. subcontractor design items.
- Building Warrant submission.

The project came on stream in March 2016 and was completed in 25 months.

