

Knight Energy Services Recycled Wood Sampling and Testing Services



Waste Wood, that might otherwise be landfilled, is now being extensively recycled and reused. In recent years, there has been a sizable growth in the reprocessing of waste wood into biomass fuel.

Knight Energy Services operate a global, independent sampling, supervision and testing service across the whole of the recycled wood supply chain determining the quality of the material. We are specialists in the testing of recycled wood; whether this be grade A, B, C or even contaminated grade D material.

Inspection, Sampling and Port Services

KES can provide support at each stage of the supply chain, whether it's at your production site or during shipping. We have extensive port experience, particularly in North America, Western Europe, Southern Europe, the Baltic region and the Far East.

We offer the following services, which are undertaken by fully trained personnel;

- Draught Survey
- Barge Gauging
- Cargo Superintendence
- Load port Surveys
- Disport Surveys
- Field Testing
- Auto sampler bias testing
- Sampling



Testing Services

We provide a dedicated, ISO17025 accredited, fuels and process residues testing service, carried out by experienced analysts using national and international testing standards. This includes;

- Physical testing; fines, sizing, dimensions, and bulk density
- Physical contamination; ferrous/ non-ferrous metals
- Moisture content
- Oil or tar content in the case of impregnated woods
- Ash, ash composition and ash fusion testing
- Proximate analysis; moisture, ash, volatile content, fixed carbon
- Ultimate analysis; Carbon, Hydrogen, Nitrogen, Oxygen, Sulphur
- Gross and net Calorific Value
- Chlorine, Fluorine, Bromine and Iodine
- Major elements in fuel
- Trace metals in fuel
- Biomass Contents; using selective dissolution or OFGEM template methodologies
- Polychlorinated biphenyls
- Pentachlorophenol
- Organochlorine pesticides
- Polyaromatic hydrocarbons





Why Choose KES?

KES have extensive experience within the power generation industry, working with major clients in the processing and recycling sectors, including a number of Sustainable Biomass Partnership (SBP) members in the field.


We provide a personalised service to our clients, adjusting to their requirements as necessary. We have one contact service centre, which means that you can access field personnel whenever this is needed. In Europe and the United States, we provide analysis from our ISO17025 accredited AHK laboratories. Our team deliver Inspection and Laboratory Reports, and our experts are equipped to provide you with rapid and informative Field Reports especially in non-conforming situations.




Our Heritage; part of the Alfred H Knight Group Worldwide


Knight Energy Services are part of the Alfred H Knight Group. The company was first established in 1881 to provide service to the solid fuels industries with independent weight determination, inspection, supervision and analytical services.

We are a totally independent, family owned business spanning our fourth generation of the Knight family. The business is managed centrally by its UK head office, and still remains a privately owned company with over 3,000 staff worldwide.

 Reliable, Professional & Personalised Service

 Worldwide Coverage

 ISO17025 accredited laboratories.

 Extensive Knowledge & Direct Experience.

Associations

Knight Energy services are members of the following associations:

