

Agri-tech company BHSL will exhibit at the International Production and Processing Expo 2017 in Atlanta, Georgia

Wednesday 7th December 2017 – Irish agri-tech business BHSL will take a stand at the 2017 International Production and Processing Expo in Atlanta, Georgia to showcase its pioneering manure-to-energy technology which is aimed at transforming the environmental impact of the global poultry production.

BHSL's system works by collecting poultry litter left behind on a chicken house's floor, which is then burned in a heated layer of sand suspended over jets of air in a process called Fluidised Bed Combustion (FBC). The process creates the energy that heats the chicken houses and any excess energy can be sold as electricity back to the power grid. The main by-product is a non-polluting ash that can be sold as a high P&K fertilizer.

BHSL's system is the only one available that meets both US and EU environmental regulations and is fully operational on farms in the UK since 2010, with 12 systems currently being installed.

With the US producing around 9bn chickens each year, BHSL is targeting the US as a key export market. In the summer of 2016, the company announced a \$3m pilot project with the State of Maryland to trial its technology. Maryland is one of seven states in the US that surround Chesapeake Bay, where, after decades of intensive agriculture, many fields are overloaded with phosphorus. Over 1bn chickens are produced in the region each year (12% of total US production).

Farmers who use BHSL's technology benefits from:

- **Reduced environmental impact:** A significant reduction in environmental impact thereby ensuring compliance with an increasingly strict regulatory environment
- **Lower energy costs:** A potential 95% reduction in energy costs through using heat from the manure as a source for heating a new batch of chicks, who must be started at a temperature of 32 degrees Celsius / 90 degrees Fahrenheit
- **Improved animal welfare and performance:** Improved biosecurity and animal welfare, with reduced risk of diseases
- **Additional revenue:** Revenue earned from the sale of excess electricity and a valuable ash-fertiliser by-product

BHSL is also building a very strong sales pipeline for product delivery in other export markets such as US, Poland, Germany, Holland and New Zealand.

To learn more, visit Hall C Booth 511 at the IPPE 2017.

Our Technology



FBC – How it works

