

Process Drying Case Study: J.R. Graham Limited

J.R. Graham Limited are based in Central Fife in Scotland. The enterprise consists of a large beef herd, approximately 1000 acres of arable land as well as vegetable production.

J.R. Graham wanted to upscale their business. They had a kerosene fired grain dryer and a batch grain dryer but needed a more innovative, eco-friendly product to expand their competitiveness and increase profits.

Hegan Biomass was tasked to provide a solution whereby 100% of the grain produced could be dried.



The solution we provided was to supply 3 Heizomat RHK-AK 1000 (990kwh) biomass boilers and 20,000L hot water storage tank for each boiler. One of the boilers was used to supply heat to the grain dryer the improved output increase production of dried grain immediately. The other two boilers were installed with additional drying floors that could be used for wood, animal bedding or grains. (The drying floor option has the future proofing of a diverse range of product options)



The installation allowed Grahams to dry all their grain and increase their dried product range and establish themselves as carbon neutral with the kerosene used only as a back-up energy source.

Installation Brief:

- 3 x Heizomat RHK AK 1000 (990 kwh) Biomass Boilers
- Underground link to a 20 ton/hour continuous flow grain dryer
- Full Mechanical & Electrical Contract