

# Plant Fibre Technology

## Company Profile

Plant Fibre Technology (PFT), established in 2005 by company director Gary Newman, was launched with the aim to make natural insulation “the norm and not the exception”. PFT play a central and pioneering role in the development of new commercial opportunities and products made from plant fibres. PFT develops and markets a range of construction products made from biomass. These include fibre based insulation, strawboard-chipboard and hemp particle board.

“ *Nobody else in Europe could do this job for Plant Fibre Technology* ”  
**Gary Newman**  
Company Director

## Collaborating with BEACON

Working to develop new and innovative natural insulation products, PFT approached BEACON with an interest to investigate the insulation potential of straw and grass materials.



Company Director Gary Newman on site installing plant fibre



## Wood and grass based insulation from Plant Fibre Technology

Influenced by the availability of the pilot-scale equipment and expertise available at BEACON, Gary began the collaboration. After explaining the specifications and requirements for the fibre, BEACON then used their unique biorefining facilities at Mona, Anglesey, combined with the expertise of the BioComposites staff to undertake the trials on approx. 200kg of biomass materials.

The results of the BEACON R&D project at (The BioComposites Centre) Bangor University allowed PFT to develop a prototype insulation material which has since been fully developed into a marketable product currently in early stages of commercialisation. The collaboration with BEACON has resulted in PFT having achieved the production of raw fibre materials for natural insulation.



**Plant Fibre**  
Technology Ltd.