



CASE STUDY

Development of wood plastics composite materials and product designs

The task

Wood plastic composites (WPCs) are growing in importance as materials in the UK and Europe. WPCs are a completely new range of materials that have yet to be fully investigated and commercialised.

These new hybrid composite materials have the best properties of wood and plastics at the price of conventional wood products. These are wood products that can also be extruded or injection moulded to form products that are immediately useable and are also rot and fungus resistant.

WPCs represent a new future for materials technology.

What we did

Tangram has been associated with WPCs for over 8 years, longer than any other Consulting Engineering company in the UK.

Tangram has developed considerable knowledge and expertise in this area through working with major companies on the development of WPC materials and products.

Tangram has worked with pure development companies as they license their innovative technology throughout the world.

Tangram has worked with start-up companies developing new technologies as part of their unique range of offers to the market.

Tangram has designed new products using WPCs to make the best use of the unique price - property relationship of these new materials.

Tangram has prepared market assessments for the future of WPCs in individual markets to enable clients to assess the possibilities of these new materials.

The benefits

- Definitive advice and knowledge transfer for rapid start-up.
- Materials formulation and processing consultancy for rapid start-up.
- Strategy development for penetration of specific sectors.
- Provision of specifications and arrangement of initial type testing to British and European product standards.
- Product design for specific sectors.
- Product design for window and door products.

More details?

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