

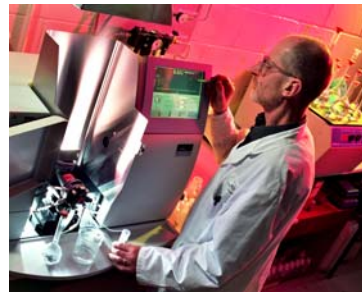
Participation in UK Collaborative Research Projects

C-Tech Innovation is a major participant in UK collaborative research work, achieving much success both as a coordinator and as a partner. Our in-house research group develops new products and technologies in collaboration with external partners both from academia and industry and offers:

- Expertise in a variety of key science and technology areas
- Project management skills
- Experience in funding programmes
- Engineering design services

Our work currently involves many collaborative projects funded by the Technology Strategy Board (TSB), an executive non-departmental public body with the aim of driving innovation in the UK. We also deliver successful projects for other UK funding bodies, for example the UK Department for Environment, Food and Rural Affairs (DEFRA) and the Carbon Trust, in topics such as: energy systems, new production processes, recycling of materials, and renewable packaging materials.

We are now seeking to establish further partnerships to participate in future collaborative research projects. We can help you to assemble your consortium and prepare your proposal.



Research Activities

Our research activities cover a wide range of technologies:

- Advanced Thermal Technologies (Microwave/RF/Ohmic/Infra-red heating; Plasma processing)
- Biotechnology (Biocatalyst process development; Bioprocess engineering, Biomass energy)
- Electrochemistry (Energy storage; Fuel cells; Electrochemical cell design)
- Chemical Technologies (Microwave chemistry; Organic synthesis; Ionic liquids; Hydrometallurgy)
- Environmental Technologies (Recovery/recycling; Industrial effluent treatment; Detoxification of air and water; Energy from waste, Life Cycle Analysis)
- Material Science (Nanomaterials; New production technologies; Process chemistry development; Product integration)
- Sensors Technologies (Sol gel surface preparations; Wireless sensors for non-invasive monitoring)
- Engineering Design (Process/product design and construction; Functional pre-production prototypes; Computational fluid dynamics)

We are applying these technologies across applications in many industry sectors including Ceramics; Chemicals; Energy; Food; Recycling; Safety & Security; Surface Engineering; Water; Waste Treatment.

