



Company Profile



A spin-out of Bangor University's internationally acclaimed CO_2 Lab, Suprex specialises in the development of applications of supercritical CO_2 .

Professor Ray Marriott has transferred from the CO_2 Lab to take on the role of Technical Director and to guide the development of novel applications. The company carries out contract research and processing at laboratory, pilot plant and commercial scale at its new site in Caernarfon.

It is supported by excellent analytical facilities to promote the development and implementation of green and sustainable chemistry into new products and processes, and has one of the most versatile small-scale CO₂ process plants in the UK. These facilities and technologies are available to commercial companies and academic groups and we welcome collaborative research projects.

The principal activities of the company are:

- Extraction and fractionation of solid and liquid materials
- Reactions in supercritical CO₂ using biocatalysts
- Production of ultraclean materials
- Impregnation of solid materials

The CO_2 processing is supported by a range of pre-treatment techniques for biomass and additional downstream processing such as molecular distillation. The company is continuously extending its range of processes and scale and the new premises have extensive expansion capacity.



