

AlgaeCAT



Achievements

AlgaeCAT aims to develop an innovative, low cost, algae-based carbon abatement system for the capture of industrial scale CO₂ emissions.

The £1.2M project, unites a host of major process industry and energy generators from the region, including; Centre for Process Innovation, Sembcorp Utilities UK, Cemex UK, Steetley Dolomite, Tata Steel and Ove Arup & Partners.

Together they will address the shortfalls of algae technologies currently used for carbon abatement, which are heavily reliant on large land area, intensive labour, and warm climates.

AlgaeCAT Project Manager, Chris Gilbert from CPI said "This grant has united key players in North East industry, in a bid to reduce carbon emissions. The successful development of a novel, high performance photobioreactor system, that can overcome these challenges, will allow these industries to significantly reduce the amount of CO₂ they release into the atmosphere."

"By pioneering commercially viable algae carbon abatement technologies, Northern Industry is leading the way for a global reduction in industrial carbon emissions."

AlgaeCAT's funding, provided by the Technology Strategy Board's Collaborative Research and Development Award, was secured with the help of Enterprise Europe Network North East, an initiative managed by the project's leaders, The Centre for Process Innovation.

The project began in August 2010 and has already created 2 new jobs.

