



Company profile: Davy Process Technology

Davy Process Technology, a Johnson Matthey Company, has a global business in petrochemicals technology development and technology licensing. The company has its headquarters in London and has a Technology Centre in Stockton-on-Tees.

It licenses a range of proprietary process technologies such as Methanol, Fischer Tropsch, SNG, Butanediol, Detergent Alcohols, Oxo Alcohols, PTA, Industrial Amines, Ethyl Acetate, Biodiesel and Propylene Glycol.

More information about Davy Process Technology can be found at www.davyprotech.com.

Personal profile: Brendon Miller

Brendon Miller graduated with a PhD in Chemical Engineering from Imperial College, University of London after studying trace metal behaviour during the co-combustion of coal, biomass and wastes. He had previously received his bachelors and masters degrees from the University of Auckland.

At Davy Process Technology he led front end design of several projects and worked on site commissioning plants in South Africa, Malaysia, Alaska and the UK. He then took a position running development of Davy's Fischer Tropsch project a technology developed jointly with BP. He works as a consultant based in Christchurch, New Zealand and remains heavily involved in alternative fuels technology.

Davy Biofuel Activities / presentation details:

Davy Process Technology has developed two related technologies in the field of biodiesel production.

The first is the Davy Biodiesel Process, which utilises lower grade fats and oils that conventional biodiesel processes struggle to convert. This widens the range of feed stocks available for biodiesel manufacture and lessens conflict with food production. At the same time environmental performance is improved with higher water effluent quality, and catalyst usage is minimised.

The second process developed by Davy converts glycerine, a by-product from biodiesel manufacture, to propylene glycol. Propylene glycol is used in a number of consumer products, for example shampoo and toothpaste, as well as plastics and anti freeze. Product from this new process can replace production from oil derivatives and create a sustainable source of this important chemical.

Further biofuel links of interest:

- [BP- Davy Fischer Tropsch](#)
- [Myriant Technologies and Davy Process Technology join forces to integrate the Myriant bio-based Succinic Acid and Davy Butanediol technologies to offer a renewable and bio-based Butanediol product.](#)
- [Next Generation Biodiesel Launched with Endicott Biofuels LLC](#)

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