

NiTech's **DN15/DN60** Units to be used in Biotech Research

SAS PIVERT, based in Northern France at Compiègne, has purchased a high pressure **DN15** crystalliser/reactor to support its development work in bio-chemistry.

It will use NiTech's ATEX-compliant unit to industrialise chemical products and energy from oilseed biomass.

SAS PIVERT is a major new public-private partnership established by leading French companies in the agricultural, chemical, and food & feed sectors, with support from the French government.



It has won funding of €64m over eight years, with €40m dedicated to the pre-competitive research program GENESYS. The **DN15** unit will be used at its BIOGIS Centre, which includes:

- ❖ Analytical laboratory/pilot plant
- ❖ Experimental workshop for biotechnology, catalytic chemistry, thermochemistry, and formulation
- ❖ Showroom of equipment for partners
- ❖ Storage and biomass packaging area

SAS PIVERT's biomass experts can:

- ❖ Formulate new products, offering fresh opportunities for biomass valorisation
- ❖ Formulate and provide pilot series for anticipated new products
- ❖ Scale up processes to industrial scale
- ❖ Develop new processes for biomass fractionation and transformation



SAS PIVERT's biomass experts

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... enabling distributed manufacturing

University of South Wales Selects NiTech as Partner for Energy Project

NiTech is also supplying a **DN60** crystalliser/
reactor to the Centre of Excellence for Anaerobic
Digestion at the University of South Wales (USW).

It will be used for an exciting new project funded
jointly by the Biotechnology and Biological Sciences
Research Council, and Innovate UK, to evaluate
bioconversion for energy production and storage.

The aim of the project is to evaluate the potential
for NiTech's novel Oscillatory Baffle Reactor
technology to be incorporated into a biological
process invented by USW's Centre that could either
produce or store energy at grid scale.



This UK collaboration represents an early step towards developing and
commercialising the C1 gas conversion process. This has the potential to
change the way in which energy is managed on a regional basis as it provides a
bridge between electricity and gas grids.

NiTech's prices benefit from a weaker pound



The UK's vote to leave the European Union has led to a major fall in
the value of the pound against many major currencies. It has fallen
by around 10% against the US dollar, the euro and the Swiss franc.

This means that NiTech's units are now cheaper for anyone buying from
outside the UK in a foreign currency.

Currencies are notoriously volatile and very hard to forecast. So it might well
be sensible to buy now, whilst the currency is weak, and get the benefit of
having one of our units in your own laboratory.

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