

September 2017

... enabling distributed manufacturing

SANOFI TAKES SECOND LICENCE FOR GENZYME

NiTech is pleased to announce it has recently agreed a second licence with Sanofi, the French pharmaceutical major, for a new larger unit at its Genzyme subsidiary in the UK.

Genzyme have been using a NiTech® continuous reactor at their Haverhill, UK, site under licence for several years. It has been part of a key synthesis step handling three phases, and has operated at twice the original design capacity.

Genzyme and NiTech Solutions have also developed a [Case Study](#) detailing the key steps of the project and the benefits that have been achieved. These include:



The original Sanofi unit

- ❖ More than seven trouble-free years of operation
- ❖ Production at twice the original design capacity, with no need for further investment in debottlenecking and resulting costly shutdown time
- ❖ Extremely robust technology with minimal maintenance
- ❖ Continuous process eliminating auxiliary feed and collection vessels
- ❖ Sophisticated process analytics ensuring excellent quality control with sampling rates at 100% in real time
- ❖ High levels of automation removing need for operator supervision

A Genzyme spokesman confirmed *“These benefits have made a major contribution to Genzyme’s business in the UK. We look forward to seeing further examples of this exciting technology commercialised within Sanofi in the coming years – continuous manufacture of APIs is the way ahead. We look to produce smaller quantities of a larger variety of drugs in many different parts of the world - with a high quality threshold and at competitive costs.”*

Please [click here](#) to read the Case Study describing Genzyme’s success.

NiTech Establishes Presence in China

NiTech Solutions is pleased to introduce its first reseller in China - Shenzhen E-Zheng Technology Co. Ltd.

The company, based in Shenzhen, Guangdong, offers a professional service on continuous process chemistry instruments and after-sales technical service.

[E-Zheng's](#) main products are complementary to NiTech's offering and include continuous flow micro-reactor; continuous agitated cell reactor; continuous crystalliser, as well as units for continuous extraction and centrifugation, providing the ability to build integral continuous flow solutions.

E-Zheng has also established collaborations with Zhejiang University of Technology and Hebei University of Technology to carry out chemical synthesis and pharmaceutical feasibility research for universities and industries.

Prof Xiong-Wei Ni speaks at China Conference

Professor Xiong-Wei Ni was invited to speak at the 8th China Industrial Crystallisation Science and Green Industrialisation [Technology High-end Seminar](#), held in Guiyang City, Guizhou, China on 26-28 July. The meeting discussed the application of crystallisation science and technology in the fields of medicine, food, pesticides, chemicals and materials in China, and was attended by senior researchers, government officials and company executives.

