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Bio-aromatics from non-food biomass

Anellotech Inc., IFP Energies nouvelles (IFPEN) and its subsidiary Axens have announced a strategic alliance to develop and commercialize a new technology for the low cost production of bio-based benzene, toluene and paraxylene using Anellotechâ??s process of Catalytic Fast Pyrolysis (CFP) of biomass. The technology will address large-scale units and produce purified aromatics streams suitable for modern derivative production processes at a very competitive price with respect to their petroleum based counterparts.

This new technology should open the way to a competitive production of bio-aromatics from renewable resources. These drop-in green versions of widely used basic petrochemicals are utilized as raw materials in the production of consumer goods such as plastic bottles, clothing, carpeting, automotive parts, as well as other everyday products.

Within the alliance, Anellotech will continue its research work at the Pearl River facility on the clean technology platform for inexpensively producing bio-based aromatics from renewable non-food biomass. IFPEN will mainly focus on process scale-up and hydrodynamic studies at its Lyon site, France, and Axens will finalize development and basic plant design and prepare the technology for commercialization. It is expected that the technology will be ready for industrial implementation in 2019. Axens will market and license the technology globally and provide basic engineering design and start-up services while Anellotech, Axens and IFPEN conduct on-going research and development for continual process improvement and to support licensing efforts.

Source:
www.ifpenergiesnouvelles.com/News/Press-releases/Anellotech-IFP-Energies-nouvelles-and-Axens-to-co-develop-bio-aromatics-production-technology-from-non-food-biomass