



## **Anellotech Continues to Build Intellectual Property Portfolio**

*New Patent Granted on Catalytic Process for Converting Non-Food Biomass into Valuable Intermediates for the Chemical Industry*

**Pearl River, New York – February 24, 2016** – Anellotech, a sustainable technology company focused on producing cost-competitive renewable chemicals from non-food biomass, today announced that the Company has been granted U.S. Patent Number 9,249,080 that describes a catalytic process for converting non-food biomass into a wide range of intermediates for the chemical industry.

The 18 claims in the patent are particularly focused on the production of intermediates such as p-xylene, terephthalic acid, styrene, cumene, and adipic acid that are utilized at large scale for polymer production.

“This new patent is an extension of Anellotech’s technology for producing aromatics from clean, non-food biomass, providing broad scope for the conversion of biomass into a spectrum of chemicals that form the backbone of the modern chemical industry,” said David Sudolsky, President and CEO of Anellotech. “Our R&D program continues to yield new approaches to developing bio-based chemical building blocks used to make polymers, which are in turn used to produce beverage bottles, clothing, carpeting, automotive components and a wide range of other products. As we execute our R&D program, we are also continuing to make progress towards commercialization and bringing our proprietary technology to a large and global addressable market.”

Anellotech's core technology, thermal catalytic biomass conversion (Bio-TCat™) for production of chemicals from renewable, non-food biomass is being developed by the Company. The Bio-TCat technology is covered under issued patents and filed patent applications owned by Anellotech as well as those licensed on an exclusive and global basis from the University of Massachusetts

Anellotech aims to utilize its core Bio-TCat technology for converting biomass to aromatics as the cornerstone of a future bio-based complex that produces many chemicals and fuels – a biorefinery. Anellotech is installing its TCat-8 fully integrated development and testing facility this year to optimize the core process to produce aromatics. TCat-8 will confirm the viability and suitability of the Bio-TCat process for scale-up, and generate the data needed to design commercial plants using the Bio-TCat

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technology. The newly granted patent covers many important processes for converting these aromatic products into higher value intermediates and polymers, and takes advantage of synergies available from integration with the core technology. Longer term, Anellotech envisions the flexibility of producing chemicals, solvents, polymers, fuels, and industrial gases from biomass. With that target in mind, Anellotech continues to expand its patent portfolio and family of strategic partners to build the foundations upon which the biorefinery and chemical complex will be constructed.

## **About Anellotech**

Anellotech is developing the Bio-TCat process to produce cost-competitive renewable aromatic chemicals (benzene, toluene and xylenes, "BTX") from non-food biomass in collaboration with IFPEN, Axens, Johnson Matthey, Suntory and other major multinational companies. This proprietary process will provide "drop in" bio-derived BTX as an alternative to their identical petroleum-derived counterparts. By using biomass as a source feedstock for aromatic chemicals, Anellotech is lowering these chemicals' lifecycle carbon footprint. Anellotech complements its world-class R&D team with in-depth, highly-interactive, and long-term partnerships with leaders in process development, catalysis, engineering design, and licensing to accelerate development and drive cost-competitiveness. IFPEN is our process development and scale-up partner, Johnson Matthey is our catalyst development partner, and Axens is our partner for industrialization, commercialization, global licensing and technical support. Industry-leading strategic partners in the BTX supply chain, including Suntory and another multinational corporate investor that invested \$7 million in November 2015, have provided capital to Anellotech. For additional information, please visit: <http://anellotech.com/>

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