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## Biorenewable Insights

### Program Overview

#### Subjects addressed:

The Biorenewable Insights program helps strategic planners make informed decisions in the rapidly evolving area of biorenewables. It provides in-depth evaluations and reliable data on the technology, cost competitiveness and business developments of biorenewable chemicals and fuels.

#### 2017 Program Year Report Listing

Biorenewable insights is planning 10 reports for the 2017 Program year:

- Methanotrophs and Syngas Fermentation
- CO<sub>2</sub> to Chemicals
- Polyhydroxyalkanoates (PHAs)
- Ethylene Glycol
- Lignin
- Polyamides
- Ethanol (First and Next Generation)
- Aromatics (BTX and PX)
- Cellulosic Sugars
- Jet Fuel

#### Content

Reports Include:

- Technology Descriptions
  - Chemistry
  - Process Flow Diagrams and Descriptions
- Company Profiles
- Capacity Analysis
  - Announced Projects
  - Project Analysis
  - Adjusted Project Capacities
- Process Economics
  - Cost of Production Models
  - Comparison to Conventional Routes
- Implications for Conventional Technologies

### Back-Catalogue of Published Reports (2014-2016)

2016	
Conventional Sugars	Isoprene and Isoprenoids
PEF to Replace PET	Gasoline and Reformate
Hydrogen	MSW
Bio-Lubes	Polypropylene
Biogas and LFG	Isobutylene
PDO and PTT	Algae Technologies
2015	
Methanol/DME	Succinic Acid
n-Butanol	Naphtha
Butanediol (BDO)	Natural Oil Feedstocks
Jet Fuel	Lactic Acid/PLA
Carbohydrate Feedstocks	Propylene
Alpha Olefins and LAOs	Adipic Acid
Isobutanol	Isooctene/Isooctane
	Biomass Pretreatment
2014	
Biomass Gasification	Ethylene and Derivatives
Bio-Based Acrylic Acid	Propylene Glycol
BTX and PX	Butadiene
Next Generation Bioethanol	Biodiesel
Cellulosic Feedstocks	Cellulosic Sugars

#### Benefits

- Realistic, commercially-oriented evaluations of biorenewable technologies and economics
- Independent comparison of various bio-based processes and competitiveness with conventional petrochemical routes
- Assessment of the progress and business feasibility of industrial capacity announcements
- Understanding obstacles or advantages of a particular technology or technology type
- Determination of potential impact of new technology and business developments
- Competitor analysis

**Subscription Options:** An annual subscription to BI includes ten reports published in the current program year. Reports can also be purchased on an individual basis, including reports from previous publication years. A special package including our full catalogue of BI reports is also available.

For information regarding the Biorenewable Insights Program or any of the reports, please contact [sslome@nexant.com](mailto:sslome@nexant.com).



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### Corporate Headquarters

Tel: +1 415 369 1000  
101 2nd St Suite 1000  
San Francisco  
CA 94105-3651  
USA

### Americas

Tel: +1 914 609 0300  
44 S Broadway, 4th Floor  
White Plains  
NY 10601-4425  
USA

### Europe, Middle East & Africa

Tel: +44 20 7950 1600  
1 King's Arms Yard  
London EC2R 7AF  
United Kingdom

### Asia Pacific

Tel: +662 793 4600  
22nd Floor, Rasa Tower I  
555 Phahonyothin Road  
Kwaeng Chatuchak  
Khet Chatuchak  
Bangkok 10900  
Thailand

