

# Mapping of 2<sup>nd</sup> Generation Biofuel Demonstration Plants

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IEA Bioenergy Task 39 has commissioned an overview on pilot and demonstration facilities for the production of biofuels from lignocellulosic raw materials. Companies with projects in this area were contacted and asked to provide data for the overview.

All information collated was inserted into a database and is displayed in an interactive map:

<http://biofuels.abc-energy.at/demoplants/>

An outline of this is displayed below.

### Biochemical Pathway – Operational Facilities:

Project Owner	Country	Product
Aalborg University Copenhagen	Denmark	ethanol; biogas;
Abengoa Bioenergy	Spain	ethanol;
Abengoa Bioenergy New Technologies	United States	ethanol;
AE Biofuels	United States	ethanol;
BioGasol	Denmark	ethanol; cellulose; hemicelluloses; lignin;
Borregaard Industries LTD	Norway	ethanol;
Chempolis Ltd.	Finland	ethanol; pulp;
DDCE DuPont Danisco Cellulosic Ethanol	United States	ethanol;
EtanolPiloten i Sverige AB	Sweden	ethanol;
Inbicon (DONG Energy)	Denmark	ethanol; c5 molasses; solid biofuel;
Iogen Corporation	Canada	ethanol;
KL Energy Corporation	United States	ethanol;
Lignol Energy Corporation	Canada	ethanol; lignin;
Mascoma Corporation	United States	ethanol; lignin;
Mossi & Ghisolfi - Chemtex Italia	Italy	ethanol;
Petrobras	Brazil	ethanol;
POET	United States	ethanol;
Technical University of Denmark (DTU)	Denmark	ethanol; biogas; lignin;
Terrabon	United States	ethanol; mixed alcohols; various chemicals;
Verenium	United States	cellulosic ethanol;

### Thermochemical Pathway – Operational Facilities:

Project Owner	Country	Product
Coskata	United States	ethanol;
CTU - Konzept Technik Umwelt AG	Austria	SNG;
Cutec	Germany	FT-liquids;
Enerkem	Canada	ethanol;
Iowa State University	United States	ethanol; FT-liquids; biodiesel; pyrolysis oils;
NSE Biofuels Oy, a Neste Oil and Stora Enso JV	Finland	FT-liquids;
Range Fuels, Inc.	United States	ethanol; methanol;
Tembec Chemical Group	Canada	ethanol;
Vienna University of Technology / BIOENERGY 2020+	Austria	FT-liquids;

To add your project contact:

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Projects in Europe



Projects in North America



Projects in Australasia

A full report “[Status of 2<sup>nd</sup> Generation Biofuels Demonstration Facilities](http://www.task39.org)” is available at [www.task39.org](http://www.task39.org).



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