Companies with Biochar Technology

http://terrapreta.bioenergylists.org/company

Submitted by Tom Miles on Sat, 2007-01-20 05:31

Advanced Biorefinery Inc.

Canada

http://www.advbiorefineryinc.ca/

Advanced BioRefinery Inc. develops and commercializes affordable, transportable pyrolysis plants to generate high-value heating fuel and chemicals cheaply by "going to the source." By converting biomass in the field into high value, easily transported liquid, we improve the economic viability of pyrolysis. We tap previously unused or problem biomass, solve disposal problems, and offset energy required in forestry and on-farm.

Agri-therm, Ltd.

Canada

http://www.agri-therm.com/

Agri-THERM Ltd. Canadian company to develop, manufacture and market portable and stationary equipment to produce BIO-oils and products from biomass, specifically agricultural residues, wastes and transition crops.

Appropriate Rural Technology Institute

Pune, India

http://tekdi.net/arti/content/view/42/40/

Briquette Charcoal from Cane Trash: Dry leaves left after harvest of an average hectare generates 10 tons of trash with no value as cattle fodder, resists decomposition. Trash burnt in situ to clear fields for the next crop. In Maharashtra state, over 4,000,000 tons destroyed this way. Pyrolysing trash into fuel briquettes is a profitable, small scale, rural business.

Best Pyrolysis, Inc.

US, Australia

http://www.bestenergies.com/companies/bestpyrolysis.html

BEST Pyrolysis, Inc. is a leader in the development of clean energy solutions. Our proprietary pyrolysis and gasification technologies are focused on utilizing renewable bio-based resources while providing clean energy from rich local sources of biomass.

Modern pyrolysis power plants such as the one built by BEST Energies (Somersby, Australia) have, from the outside, little in common with the traditional way of making charcoal.

Biocarbo
Brazil
http://www.biocarbo.com/

Located in Itabirito, Minas gerais, the company produces biochar (Biocarbo) and wood vinegar (Bipirol).

Bioenergy LLC
St Petersburg, Russia (in Russian)
http://gasifiers.bioenergylists.org/gasdoc/Yudkevitch/charcoal/index.html

Bioenergy LLC developed a new technology for char production. The technology must be ecologically clean. Theoretically, heat balance of charcoal burning is positive. If we efficiently burn all liquid and gas products, a significant surplus of heat. The need in most char installations to burn additional fuel occurs as a result of incorrect processing. We created the "POLIKOR" family of equipment. The first "POLIKOR-3" was put into operation in December 2002 in Arkhangelsk.

Bioware
Brazil
http://www.bioware.com.br/

BIOWARE deals with energy use of biomass residues to produce energy, fuels and renewable goods of high value, ecologically friendly, employing modern, efficient thermo-conversion technology. BIOWARE develops systems to put biomass residues to good use, implements new technologies for industrial plants to improve efficiency, offers courses, training and consulting services. In Brazil, we pioneered fast pyrolysis reactors with bubbling fluid bed to produce bio-oil and char powder.

Cleanfuels
Netherlands
http://www.cleanfuels.nl/

CLEAN FUELS is international consultants and business developers:
• Electricity generation
• Pyrolysis oil production
• Charcoal production
• Rural electrification
Services range from technology selection and review, economic assessment, and project finance. CLEAN FUELS's experts have over 15 years experience in industrial and developing countries. With lab facilities at University of Twente, CLEAN FUELS is active technology developer.

Carbon Diversion Technologies
Hawaii, USA
http://www.carbondiversion.com/

Carbon Diversion provides a technology solution to efficiently, responsibly convert "problems" to useful products. With flash-carbonization, waste materials such as scrap tires, urban green waste or agricultural waste can be converted to carbon and electricity.

Dynamotive Energy Systems Corporation
Canada
http://www.dynamotive.com/

Dynamotive Energy Systems Corp. energy solutions provider, Vancouver, Canada, with offices in USA, UK and Argentina. Carbon-greenhouse-gas-neutral, fast pyrolysis technology uses medium temperatures and oxygen-less conditions to turn dry biomass and energy crops into BioOil for power and heat. BioOil converted to vehicle fuels and chemicals.

EGenesis Industries
California, USA
http://www.egenindustries.com

Envipower AS
Lyngby, Denmark
http://www.envipower.dk/

Small water-cooled, heart-based biomass boilers (100 – 500 kW) for small industries, apartment blocks or institutions. For higher heat demands up to 5 MW, we supply boilers fired by closed coupled gasifier or two-stage combustion units. Units accept a wide range of solid fuels, and in gasification mode, produce different products through thermal refining: fertilizer, charcoal, activated carbon, etc. Two stage units are the basis for our combined heat and power development.

EPRIDA
Georgia, USA
http://www.eprida.com/home/index.php4

Eprida offers a revolutionary new sustainable energy technology to allow us to remove CO2 from the air by putting carbon into soil where it is needed. This creates hydrogen-rich bio-fuels and a high-carbon fertilizer from biomass alone, or a mix of coal and biomass, while removing net CO2 from the atmosphere.

Ensyn Corporation
Canada
http://www.ensyn.com/who/ensyn.htm

Ensyn Corp (EC) has two primary business objectives: develop industrial applications for its core technology, Rapid Thermal Processing (RTP™), and exploit these applications commercially in the biomass sector.

International K&K Enterprise
Korea
http://www.alibaba.com/company/10406050.html#companyprofile

Manufacturer of processing plant for agriculture, engineering service and dealing in unused processing plants by International K&K Enterprise in Korea, and producing charcoal in Vietnam. We supply as:
1. Continuous charcoal processing plant;
2. Continuous drying process plant;
3. Engineering service;
4. Transfer unused equipment;
5. Charcoal products.

Pronatura
France, Brazil

Renewable Oil Corporation Pty Ltd
Australia
http://www.renoil.com.au/about.html

Renewable Oil Corporation Pty Ltd (ROC) is a renewable energy business in Australia with innovative, commercial pyrolysis technology. Wood residues and green waste produce electricity, heat and value-added chemicals. ROC is constructing its first commercial scale pyrolysis plant: a 200 ton per day pyrolysis plant using green waste as feed, dedicated power plant to burn bio-oil and provide 8MW of electricity continuous at an off grid location.

Renewable Oil International, LLC
Alabama, USA
http://www.renewableoil.com/

Renewable Oil International® LLC (ROI) is developing Advanced Fast Pyrolysis Biorefinery Technology to fractionate wood and other biomass into high-value products. ROI technology has innovative, simplified design that are factory-fabricated in transportable modules; low capital, operating and maintenance costs; doesn't require boilers or process water; energy self-sufficient; cost effective at small scale; able to process virtually any biomass; produces a high-value liquid with multiple markets.

Terra Humana Clean Technology Ltd.
Hungary
http://www.terrenum.net/terrainfo.html

Terra Humana Ltd. world leader in scientific development and industrial implementation of thermal desorption, pyrolysis and low temperature carbonization for specific COAL & CARBON applications for industry, agricultural biotechnology science and agricultural applications.