

RENEWABLE ENERGY INDUSTRY GUIDE

Updated 8th February 2012



Directories

Pegasus Renewable Energy Directory (Pegasus Energy UK Ltd, 2011)

[(B) DIR 333.79402541 BUS]

Directory provides contact information on over 1,700 UK based companies listed under 450 product and service headings. Covers energy producers, manufacturers and service providers in the wind, hydro, tidal, wave, solar and bio energy sectors.

Worldwide Gen-Set and Cogeneration Directory (Global Media Publishing, 2011)

[(B) DIR 333.793 BUS]

International directory of 2,000 manufacturers and service providers.

ENDS Directory (Haymarket Professional Publications, 2012)

[(B) DIR 333.72 BUS]

Directory of 1,000 companies which is primarily a listing of environmental consultants but it also includes associated suppliers and service providers, e.g. software, training, etc.

International Water Power & Dam Construction (Reed Business, 2010)

[(B) DIR 621.312134 BUS]

Listing of contracts awarded (by contractor) for turbines, generators and governors. Lists plants, with specification information (by country) under the following headings: dams & hydro, pumped storage, roller compacted concrete dams, concrete face rockfill dams and ACC dams. Lists (by country) hydro power caverns and hydro power shafts. Also includes international and national associations and a buyers' guide to products & services.

Energy Institute Yearbook and Directory (Energy Institute, 2012)

[(B) DIR 333.79029441 BUS]

Directory of Energy Institute members and non-members covering UK energy providers, manufacturers, service providers and consultancies.

Green : The Directory of Sustainability (Ten Alps Publishing, 2009/2010)

[(B) DIR 338. 927025 BUS]

Buyers guide, of 600 UK companies, for sustainable products and services.

Bioenergy Industry Directory (Biofuels Media Ltd, 2011) [(B) DIR 333.9539029 BUS]

International classified directory of over 800 companies and organisations providing biofuels (biodiesel, ethanol, biogas, wood energy and fuel from waste) or associated products and services.

International Directory of Power Generation and Distribution (Turret Group, 2009)

[(B) DIR 621.3121 BUS]

An international directory of 1000 companies supplying products and services to the commissioning, installation and maintenance of power plants.

Market Research and Statistics

The Solar Cell Production Global Market Outlook (Business Insights, 2011) [available onsite via electronic databases]

Analysis of key players, evolving technologies, solar PV production (crystalline and thin-film), volume growth, market drivers and resistors, and the future outlook. Particular emphasis on the manufacturing markets of China, Taiwan, Germany, Japan, Malaysia and the United States.

Renewable Energy in the US: Policy, Investment, Capacity, Growth and Outlook (Business Insights, 2010) [available onsite via electronic databases]

The Onshore and Offshore Wind Power Generation Outlook (Business Insights, 2010) [available onsite via electronic databases]

Global economic and technological analysis of current and future provision in wind power (Business Insights, 2010) [available onsite via electronic databases]

The Solar Power Generation Market Outlook (Business Insights, 2010) [available onsite via electronic databases]

Global economic and technological analysis of current and future provision in solar power.

Green Energy in China (Business Insights, 2010) [available onsite via electronic databases]

Analysis of current provision of wind, solar, biomass, hydropower and geothermal power in China. Includes brief future outlook.

The Future of Small, Medium and Large Hydropower Technologies (Business Insights, 2010)

[available onsite via electronic databases]

Economic, technological and environmental assessment of the global hydropower market.

Green Energy in the UK (Business Insights, 2010) [available onsite via electronic databases]

Analysis of current wind, solar, biomass, hydropower, marine and geothermal power provision in the UK. Includes brief future outlook.

Renewable Integration and Balancing Issues (Business Insights, 2010) [available onsite via electronic databases]

Economic and technological analysis of renewable integration including structural costs, grid integration, balancing issues, energy storage and intelligent grid solutions.

Renewable Energy in the US: Policy, Investment, Capacity, Growth and Outlook (Business Insights, 2010) [available onsite via electronic databases]

Overview of the wind, solar, hydro, geothermal, biomass and ocean power markets in the United States.

Trends in B2C green energy marketing (Business Insights, 2009) [available onsite via electronic databases]

Analysis of corporate policies and consumer attitudes with emphasis on the European market.

The Post Carbon Landscape (Business Insights, 2010) [available onsite via electronic databases]

Broad analysis of future global energy consumption in the context of a changing supply environment. Consumption sectors are analysed, e.g. households, passenger transport, marine, aviation, industrial and commercial.

The Future of Marine Technologies (Business Insights, 2010) [available onsite via electronic databases]

Analysis of ocean thermal energy conversion, wave power, tidal stream, tidal barrage and salinity gradient power generation technologies.

Green Energy in Emerging Economies (Business Insights, 2010) [available onsite via electronic databases]

Report analysing the development of wind, solar, biopower, hydropower and geothermal technologies. Concentrates on China, India, Brazil & Russia and to a lesser extent Turkey, Indonesia, Poland, Czech Republic, Hungary and South Africa.

Next Generation Biofuels (Business Insights, 2010) [available onsite via electronic databases]

Overview of the latest biofuel technologies - second-generation, e.g. waste biomass, wheat stalks, corn, wood and miscanthus, and third generation, e.g. algae.

The Future of Biomass (Business Insights, 2009) [available onsite via electronic databases]

Overview of biomass resource reserves, energy crops, biomass power generation technologies and the associated economic, environmental and legislative issues.

Renewable Energy Capacity in the EU (Business Insights, 2009) [available onsite via electronic sources]

Overview with particular emphasis on wind and solar capacity.

Green Energy in the US (Business Insights, 2009) [available onsite via electronic sources]

Overview of the wind, solar, hydropower, geothermal, ocean power and biomass energy sectors in the US.

The Intelligent Grid & Renewable Integration (Business Insights, 2009) [available onsite via electronic sources]

Analysis of the combination of electricity supply and digital communications technology to create an intelligent grid.

Frost & Sullivan publish a variety of reports available onsite via electronic sources

Frost & Sullivan publish many reports analysing market and technological developments within the global renewable energy market. The following list is a small selection of recent titles:

European Wave Energy Market Assessment (Frost & Sullivan, 2012) [available onsite via electronic databases]

Assessment of the current state of wave energy projects in Europe with particular emphasis on the United Kingdom, Ireland, Portugal and Denmark. Includes various forecasts from 2020 to 2050.

Global Geothermal Power Market (Frost & Sullivan, 2011) [available onsite via electronic databases]

Analysis of investment, installed capacity, costs, technology developments, etc with forecasts to 2017

European Large Scale Energy Storage and Opportunities from Growth in Renewable Energy

(Frost & Sullivan, 2011) [available onsite via electronic databases]

Analysis, with forecasts to 2017, of the pumped hydro, compressed air, hydrogen, battery, molten salt and emerging energy storage markets.

Chinese Wind Market (Frost & Sullivan, 2010) [available onsite via electronic databases]

Covers the state of the Chinese Wind Market, examining Chinese wind resources, pricing, technology, legislation, end-users, value chain, industry challenges and drivers and restraints for growth. Contains market size and market share data with forecast to 2016.

Asia Pacific Solar PV Systems Market Outlook (Frost & Sullivan, 2010) [available onsite via electronic databases]

Analysis of market trends, installed capacity, revenue distribution, competitive structure, key policies and regulations, market share analysis and customer analysis for the solar photovoltaic (PV) systems market in the Asia Pacific region. Countries covered are Japan, South Korea, Taiwan, Malaysia, Indonesia, Singapore, Thailand, The Philippines, Vietnam, Australia and New Zealand. Installed capacity analysis includes both grid connected and off-grid installations. The research period is from 2007 to 2017 with base year as 2010, and forecast period from 2011 to 2017.

North American Non Residential Solar Power Market (Frost & Sullivan, 2010) [available onsite via electronic databases]

Analysis of the market looking at revenues, installed capacity forecasts, drivers, restraints and the challenges facing the market.

North American Residential Solar Power Market (Frost & Sullivan, 2010) [available onsite via electronic databases]

Analysis of the market looking at revenues, installed capacity forecasts, drivers, restraints and the challenges facing the market.

Transmission and Distribution Products for Renewable Energy Markets in Asia Pacific (Frost & Sullivan, 2010) [available onsite via electronic databases]

Analysis of the transformer, switchgear and other equipment markets including key market drivers, restraints on growth, technology, demand and geographical trends. Includes revenue distribution and forecast data to 2016.

The European Micro-renewable Energy Market: Growth Opportunities for Small Wind and Small Hydro Power (Frost & Sullivan, 2010) [available onsite via electronic databases]

Analysis of market forces (challenges, drivers and restraints), revenue forecasts, geographical and competitors. Country analysis highlights the prospects for micro renewable uptake during the forecast period 2011-2017.

North American Biomass and Waste-to-Energy Market (Frost & Sullivan, 2010) [available onsite via electronic databases]

Analysis of the market from 2006 to 2016

Asia Pacific Wind Power Markets (Frost & Sullivan, 2010) [available onsite via electronic databases]

Market analysis of 11 countries from 2010 to 2016. Includes Malaysia, Indonesia, Thailand, the Philippines, Singapore, Vietnam, Japan, South Korea, Taiwan, Australia and New Zealand.

European Renewable Energy Services Market (Frost & Sullivan, 2010) [available onsite via electronic databases]

First part of a 2 series report focusing on wind energy market from 2010 to 2016. The report focuses on the 7 major markets of Germany, Spain, Italy, France, United Kingdom, Portugal and Denmark.

Renewable Energy Regulations in Central and Eastern Europe – Strategic Analysis (Frost & Sullivan, 2009) [available onsite via electronic databases]

Contains 19 country profiles with market overview and regulations in each state. Also contains a review of the market, policy and support mechanisms across Central & Eastern Europe.

India Solar Photovoltaic Market (Frost & Sullivan, 2009) [available onsite via electronic databases]
Market, technology, regulatory and policy overview of the Indian solar photovoltaic market.

Renewable Energy Storage - European Market Analysis (Frost & Sullivan, 2009) [available onsite via electronic databases]

Analysis of the renewable energy storage market in Europe consisting of grid scale storage as well as power quality applications. Technologies covered include Li-ion batteries, flow batteries, sodium sulfur, ultracapacitors, flywheels, lead acid, NiCad, fuel cells, molten salt storage and compressed air energy storage.

Strategic Analysis of Transmission and Distribution of Electricity from Renewable Sources (Frost & Sullivan, 2009) [available onsite via electronic databases]

Provides information about the transmission and distribution infrastructure existing in Europe, legislations influencing the integration of renewables into the grid, examples of new and upcoming projects and overview of the energy and power market in Europe.

African Large-Scale Wind Turbine Market (Frost & Sullivan, 2009) [available onsite via electronic databases]

Analysis of the African wind turbine market with particular emphasis on Morocco, Tunisia, Algeria, Egypt, Kenya, Ethiopia, Tanzania, Nigeria, South Africa and Namibia.

Strategic Analysis of Renewable Energy Sector in Middle East and North Africa Region (Frost & Sullivan, 2009) [available onsite via electronic databases]

Strategic market analysis of the wind and solar energy sectors across the region looking at renewable installed capacities, renewable energy targets, regulation and policy with emphasis on wind energy in Egypt, Morocco, Tunisia, Iran and solar power in Saudi Arabia, United Arab Emirates and Morocco.

BP Statistical Review of World Energy (British Petroleum, 2011) [(B) MKT 333.79 BUS]

Consumption and production data by energy type including renewable sources for over 70 countries.

UK Energy In Brief (Department of Trade and Industry, 2010)

[(B) MKT 333.790941021 BUS Current Issue- Behind Enquiry Desk]

Summary of latest statistics on energy production, consumption and prices.

Digest of United Kingdom Energy Statistics (Office for National Statistics, 2009)

[(B) MKT 333.79 BUS]

Includes statistics of production, capacity, generation and commodity balances.

Renewable Energy - official publication of the World Renewable Energy Network (Sovereign Publications, 2011) [(B) MKT 333.794 BUS]

Collection of over 40 articles from leading entrepreneurs and academics within the global renewable energy community.

World Wave & Tidal Market Report 2009-2013 (Douglas-Westwood, 2008) [(B) MKT 333.794 BUS]

Overview of technology and markets. Concentrates on the markets of Australia, Canada, Denmark, France, Ireland, Portugal, Spain, UK and the USA.

World Biofuels (Freedonia Group, 2010)

[(B) MKT 338.4766288 BUS]

Global overview of biofuel production and consumption. Brief activity profiles for 80 companies.

The European Renewable Electricity Sector - a country comparison of risks and opportunities

(London Research International, 2009/2010)

[(B) MKT 333.7932094 BUS]

Overview of 20 country markets across Eastern & Western Europe

Electricity Information (International Energy Agency, 2010) [(B) MKT 333.7932021 BUS]

Provides detailed statistics for the 30 OECD member countries. Statistics include production by type, consumption by sector, electricity produced by fuel, electricity imports and exports, energy prices for industry and households, etc.

Energy Trends (Department of Trade & Industry, quarterly) [(P) BY 331-E(3) Science 2]

UK energy supply and consumption statistics.

Quarterly Energy Prices (Department of Trade & Industry, quarterly)

[(P) BY 331 - E (9) Science 2]

Statistical bulletin providing tables, charts and commentary on industrial, domestic and international prices.

World Energy Outlook (International Energy Agency, 2011)

[Document Supply Centre, Yorkshire: OPD.9.x.24]

Data includes projections of global energy trends for supply and demand of oil, gas, coal, renewable energy sources, nuclear power and electricity.

Trade Magazines & Newsletters

United Kingdom

ENDS Report (Environmental Data Services, monthly) [(P) BY 25-E (25) SCIENCE 2]

Reports on the latest news and official reports on UK and EU policy, legislation, and environmental issues impacting corporate strategy.

Energy & Environment (Multi-Science Publishing, bi-monthly) [(P) BY 363 - E (2) SCIENCE 2]

Academic journal covers the direct and indirect environmental impacts of energy acquisition, transport, production and use.

Energy Trends (Department of Trade and Industry, quarterly) [(P) BY 331 -E (3) SCIENCE 2]

Covers statistics on energy production and consumption, in total and by fuel, and provides an analysis of the year on year changes.

Enterprising Energy (Capital Publishing Group, quarterly) [(P) 333.7915094105 BUS]

Quarterly magazine analysing the UK marine, renewables, oil and gas markets.

Sustainable Business (Faversham House Group, monthly) [(P) 658.4083 - E (2) BUS]

Magazine covering environmental issues of strategic importance to businesses and organisations in the public and private sector. International coverage from a UK perspective.

International

Asiansolar (Bowhead Media Ltd, bimonthly) [(P) 333.792309505-E(1) BUS]

News and analysis of the photovoltaic and solarthermal energy markets in Asia, the Middle East and Australasia, including a brief country profile in each issue.

Environmental Finance (Fulton Publishing Ltd, 10 issues per year)

[(P) BY 27 - E (4) SCIENCE 2]

Covers the impact of environmental issues on the lending, insurance, investment and trading decisions affecting industry.

Energy Industry Times (Man in Black Media, monthly) [(P) 333.79-E(7) BUS]

Newsletter reporting on market, corporate, technological and regulatory developments in the global energy industry.

Power Report [(P) 333.7932095-E(1) BUS] (Business Monitor International Ltd, quarterly)

Market analysis of the power industry in 50+ countries across all continents. Includes historical and forecast data for power generation, capacity and consumption.

Renewable Energy World (James & James, bimonthly) [(P) SU20 - E (52) SCIENCE 3]

Reviews all forms of renewable energy sources and technological developments. Includes useful directory.

World Biomass & Cogeneration Report (F.O. Licht, monthly) [(P) 333.953905 – E (1) BUS]

Journal providing international company and market news. Also includes energy generation, consumption and production statistics. Regular coverage of wood pellet price, import and export data.

World Ethanol & Biofuels Report (Agra Informa, fortnightly) [(P) NR51-E(10) SCIENCE 3]

News, analysis, prices, international trade figures and production statistics for fuel ethanol, biodiesels, industrial and beverage alcohols.

Internet Sources

United Kingdom

Department of Energy and Climate Change

Provides access to a vast array of statistics, publications, legislation and policy documents.

<http://www.decc.gov.uk>

Renewable Energy STATisticS Database for the United Kingdom

Energy statistics on heat and electricity generated from biofuels, hydro-electricity, wave power, wind, solar and geothermal sources. (Summary of an ongoing study undertaken by the Future Energy Solutions (FES) - part of AEA Technology - AEAT Environment on behalf of the Department of Trade and Industry)

<http://www.restats.org.uk/>

Carbon Trust

Independent company funded by the government to help move the UK to a low carbon economy through commercial development of low carbon technologies.

<http://www.carbontrust.co.uk/>

Association of Electricity Producers (AEP)

Promotes the interests of members who generate electricity including those from wind, wave, hydro and energy from waste technologies.

<http://www.aepuk.com/>

British Hydropower Association

Promotes the use of water power and the British hydropower industry.

<http://www.british-hydro.org/>

British Wind Energy Association (BWEA)

Trade and professional body for the UK wind industry

<http://www.bwea.com/>

Energy Industries Council (EIC)

UK companies that supply capital goods and services to the energy industries world-wide.

<http://www.the-eic.com/>

Energy Institute

Royal Charter membership organisation for the energy industries representing almost 12,000 professionals nationally and internationally.

<http://www.energyinst.org.uk/>

Environmental Services Association

Companies providing waste management and associated environmental services.

<http://www.esauk.org/>

Industrial and Power Association

Scottish companies that operate in all areas of the power and energy related industries.

<http://www.ipa-scotland.org.uk/>

Renewable Energy Association

Promotes renewable power production and supports renewable power production across all technologies.

<http://www.r-e-a.net/>

Solar Trade Association (STA)

Companies with business interests in the solar energy industry.

<http://www.solar-trade.org.uk/>

Centre for Alternative Technology (CAT)

CAT's key areas of work are renewable energy, environmental building, energy efficiency, organic growing and alternative sewage systems.

<http://www.cat.org.uk/>

Centre for Sustainable Energy (CSE)

CSE aims to advance sustainable energy policy and practice

<http://www.cse.org.uk/>

Energy Saving Trust

Non-profit organisation set up by the government which aims to achieve the sustainable and efficient use of energy, to cut the carbon dioxide emissions which are the key contributor to global warming.

<http://www.energysavingtrust.org.uk/>

Forum for the Future

Forum aims to make sustainable development the central strategic framework for all key decision-making bodies such as government, business, education and the professions.

<http://www.forumforthefuture.org.uk/>

Global Action Plan

Independent environmental charity offering practical advice and guidance.

<http://www.globalactionplan.org.uk>

National Energy Foundation – Renewable Energy

A department of The National Energy Foundation, it aims to encourage sustainable and green sources of energy by promoting renewable energy and providing information and advice.

<http://www.nef.org.uk/actonCO2/renewableenergy.htm>

Renewable Energy Action for London (REAL)

REAL aims to facilitate community scale renewable energy installations and promote sustainable energy in London.

<http://www.cen.org.uk/REAL/>

Solar Energy Society

A non-profit forum for the advancement of the utilisation of the sun's energy. The Society represents the UK national section of the International Solar Energy Society (ISES).

International

<http://www.uk-ises.org/>

Renewable Energy Centre

Directory of UK companies providing renewable energy products and services. Also links to trade associations, government departments and other organisations

<http://www.therenewableenergycentre.co.uk/>

Source Guide - Source for Renewable Energy

Buyers guide to more than 7,000 renewable energy businesses and organizations worldwide. Find renewable energy businesses by geographic location, product type, business type and name, or search for renewable energy businesses using keywords.

<http://energy.sourceguides.com/index.shtml>

International

International Energy Agency

An intergovernmental body advancing security of energy supply, economic growth and environmental sustainability through energy policy co-operation

<http://www.iea.org/>

World Energy Assessment (WEA)

The purpose of this UN initiative is to provide the scientific and academic background for international negotiation and debate on sustainable energy and development. Established in 1998 by the UN Development Programme (UNDP), the UN Department of Economic and Social Affairs (UNDESA), and the World Energy Council (WEC).

<http://www.undp.org/energy/weaover2004.htm>

World Energy Council (WEC)

Global multi-energy organisation with Member Committees in over 90 countries. Organisation covers all types of energy including renewable sources.

<http://www.worldenergy.org/>

World Renewable Energy Network (WREN)

Non-profit organisation affiliated to UNESCO aims to promote the communication and technical education of scientists, engineers, technicians and managers and to apply itself to the energy needs of developing and developed countries.

<http://www.wrenuk.co.uk/>

Renewable Energy Policy Project (REPP)

Organisation supports the advancement of renewable energy technology through policy research and seeks to define growth strategies for renewables that respond to competitive energy markets and environmental needs.

<http://www.repp.org/>

International Solar Energy Society (ISES)

A UN accredited non-governmental organisation that supports its members in the advancement of renewable energy technology, implementation and education all over the world.

<http://www.ises.org/>

World Council for Renewable Energy

Non-profit and non-governmental organisation aims to develop policies and strategies for renewable energy by bringing it into the mainstream of world economy and lifestyle.

<http://www.wcre.de/en/index.php>

World Resources Institute

Independent non-profit environment think-tank

<http://www.wri.org/#>

Energy Efficiency and Renewable Energy

US Department of Energy portal to websites and documents on energy efficiency and renewables.

<http://www.eere.energy.gov/>

European Forum for Renewable Energy Sources (EUFORES)

Non-profit making organisation aims to promote the use of renewable energy.

<http://www.eufores.org/>

European Wind Energy Association (EWEA)

Association actively promotes the utilisation of wind power in Europe and world-wide.

<http://www.ewea.org/>

Note: Every effort has been taken to ensure the accuracy of the information contained in this document, however some recently acquired items may since have been added to the collection. Please ask for help at the enquiry desk or check the Catalogue <http://explore.bl.uk> for more details.



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