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INDUSTRY GUIDE **ENERGY**

Energy Industry Guide

This guide is designed for anyone starting or running a business related to the Energy Industry.

We have highlighted some of the key resources about the Energy Industry that you can find at the Business & IP Centre such as general research (statistics, trends and developments), key companies, trade magazines and newsletters.

All you need is a free Reader Pass.

About the Business & IP Centre (BIPC)

The Business & IP Centre is here to help you start and grow your business. We offer one-to-ones, specialist workshops, inspiring events and access to premium market data and intelligence - all for free. We are home to the UK's largest collection of business and intellectual property (IP) information, as well as a thriving community of entrepreneurs. Based in the British Library and over 70 libraries across the UK.

Here to help

If you have any questions, our information specialists at the Business & IP Centre will be happy to help. You can pop into the BIPC reading room on the first floor in the British Library, or email one of the team at bipc@bl.uk

Updated March 2025
Amy Miller

Cover image credit: Sam Walton

bl.uk/bipc



linkedin



Instagram

Start-Up Information



The Cobra database contains practical fact-sheets on all aspects of starting, running and managing a small business – including information on writing business plans, marketing, company structures etc.

It also covers the practical aspects of how to start and run particular types of businesses – outlining necessary skills, regulations, licences and legislation etc. and highlights other sources of information and advice available.

Accessible via electronic resources.

Sector Updates (SEC)

Green Energy	SEC110
Renewable Energy	SEC081

Business Opportunity Profiles (BOP)

Energy Assessor	BOP542
Renewable Energy Technician	BOP567
Gas and Central Heating Engineer	BOP002

Mini Business Opportunity Profiles (MBP)

Bioenergy Crop Growing	MBP057
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Business Information Factsheets (BIF)

A Guide to Electricity at Work Regulations	BIF308
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Sources of Business Information (SOU)

Solar Energy UK	SOU1036
Energy and Utility Skills Group	SOU0111
Renewable Energy Association	SOU1008
Institute for the Development of Energy Assessment	SOU0750
ReGro	SOU0589
Ofgem	SOU0156

Market Research and Statistics

If you are planning on starting a business you will need to be aware of the latest trends, developments and opportunities within your industry which can all be found from market research.



eMarketer

eMarketer produces reports from high-level overviews of the trends, forces, and players affecting the industry, to product and company rankings and comparisons focused on digital consumer and retail markets.

- Big Tech players reassert importance of nuclear energy
 - EV adoption stalls amid cost concerns and policy uncertainty in US
 - Regulators block Meta's and Amazon's nuclear energy AI plans
 - Big Tech's AI energy crisis continues but creates an opening for sustainability startups
 - Microsoft, MGX, and BlackRock to raise £100 billion for AI data centers and energy
 - Cooling the AI surge: Cutting-edge solutions for greener data centers
 - Google's and Microsoft's energy use rivals many countries' totals
-

FROST & SULLIVAN

Frost & Sullivan

Publish thousands of reports analysing market and technological developments within the global energy market. The following is a selection of the newest titles:

- Innovations in Electrolytic Fuels, Torrefaction, Enzymatic Depolymerization, Carbon Capture Systems, Biogas Production, and Biomass Reforming
- Commercial and Industrial Energy Decarbonization, Global, 2025-2035
- Vehicle-to-Grid in EV Charging Infrastructure, Recent Technological Developments and Growth Opportunities, 2024-2030

- Growth Opportunities from Decarbonisation in the Global Power Market, 2019–2030
- Top 10 Growth Opportunities in the Circular Economy Market, 2025
- Top 10 Growth Opportunities in Power and Distributed Energy, 2025
- Innovations in Solar Axis Tracker Systems, Wind Turbines, Electrolysis for Hydrogen Production, Sodium Ion Batteries and Small Modular Reactors
- Top 10 Growth Opportunities in the Global ESG, Sustainability, and Climate Tech Markets, 2025
- Innovations in Enhanced Oil Recovery, Gas Injection Technology, Precision Exploration, Horizontal Drilling, Sub Sea ROV, and Wellbore Stability Solutions
- Top 10 Growth Opportunities for Alternative Fuels, 2025
- Extended Reality, the New Frontier of the Energy Transition, Global, 2024-2028
- Growth Opportunities in the Global Climate Tech Market



IBISWorld

Market research also covers market size and forecasts, consumer demographics and attitudes, the key players and products and will often include SWOT and PEST analysis showing areas of strength, weakness, opportunities etc. IBIS World provides trusted industry research on thousands of industries worldwide. Their analysts leverage economic, demographic and market data, then add analytical and forward-looking insight, to help organizations of all types make better decisions.

- B05.100 Hard Coal Mining
- B06.000 Crude Petroleum & Natural Gas Extraction
- B09.100 Petroleum & Natural Gas Support Activities
- C19.201 Petroleum Refining
- C20.110 Industrial Gas Manufacturing
- C24.460 Nuclear Fuel Processing
- C27.120 Electricity Distribution & Control Apparatus Manufacturing
- C28.920 Mining, Quarrying & Construction Machinery Manufacturing
- C28.110 Engine & Turbine Manufacturing

- D35.110 Electricity Production
- D35.120 Electricity Transmission
- D35.130 Electricity Distribution
- D35.140 Electricity Supply
- D35.220 Gas Distribution
- D35.230 Gas Supply
- G46.710 Fuel Wholesaling
- H49.500 Pipeline Transport
- UK-B061 Crude Petroleum Extraction
- UK-B062 Natural Gas Extraction
- UK-B0892 Peat Extraction
- UK-B0899 Other Mining & Quarrying
- UK-C2513 Steam Generator Manufacturing
- UK-G473 Motor Vehicle Fuel Retailing

(Some of the UK reports above will also have equivalents for the US, Canada, Ireland & some other countries)



Mintel

Mintel provides market research and consumer intelligence solutions to consumer-focused businesses with a combination of syndicated tools and custom insight solutions.

- Energy Industry – UK – 2024
 - Renewable Energy – UK – 2023
-

Statista

Statista is a global data and business intelligence platform with an extensive collection of statistics, reports, and insights on over 80,000 topics from 22,500 sources in 170 industries.

- Global primary energy - statistics & facts
- Energy Supply – global
- Renewable energy in the UK
- Energy prices in the UK
- Nuclear power in the UK
- Nuclear power in the UK
- Bioenergy in the UK
- Electricity generation in the UK
- Solar power in the UK
- Wind energy in the UK
- Smart meters in Great Britain
- Fossil fuel industry in the UK
- Natural gas industry in the UK
- Energy supply switching in the UK
- Energy imports in the UK
- Fossil fuel consumption in the UK
- Coal industry in the UK
- Energy market and customer engagement in the UK
- Energy consumer experience in the UK

There are usually similar titles for other countries on Statista along with stand-alone statistics and surveys

Trade Magazines and Journals

A few of these are held in the Business & IP Centre, but most are held on open shelves in the Science 2 and Science 3 Reading Rooms. A few are in the SPIS National Statistics Collection, held in the Social Sciences Reading Room. Only included here are publications or which the latest edition held is dated July 2020 or later.

Energy: General

Energy Industry Times

(Man in Black Media, monthly)

(P) 333.79 -E(7) Business – Business & IP Centre

teitimes.com

UK Power News

(Global Media Publishing, bimonthly)

(P) 333.79094105 -E(2) – in Science 2 Reading Room

gmp.uk.com/uk-power-news (only archives older than 2020 available online)

World Energy Statistics

(International Energy Agency, semi-annual)

(P) 333.79021 -E(2) – in Science 2 Reading Room

iea.org/data-and-statistics/data-product/world-energy-statistics

Oil & Liquid Petroleum

(all in Science 3 Reading Room unless otherwise stated)

Petroleum Economist

(Petroleum Economist, monthly)

(P) NP 93 -E(5)

pemedianetwork.com/petroleum-economist

Oil Review Middle East
(Alain Charles, 7-8 issues per year)

(P) NP 93 -E(17)

oilreviewmiddleeast.com

Petro Industry News
(International Labmate, monthly)

(P) NP 93 -E(23)

petro-online.com/digital-editions

OPEC Annual Statistical Bulletin
(OPEC, annual)

(P) NP 941 -E(4)

asb.opec.org

OPEC Annual Report
(OPEC, annual)

(P) NP 941 -E(10)

opec.org/opec_web/en/publications/337.htm

World Bunkering
(Maritime Media, quarterly)

(P) NT 20 -E(3)

worldbunkering.net

Bunkerspot: independent intelligence for the global bunker industry
(Petrospot, bimonthly)

(P) 338.47 -E(1) – in Science 2 Reading Room

bunkerspot.com

LP-Gas
(North Coast Media, monthly)

(P) NR 64 -E(3)

digital.lpgasmagazine.com

LNG Journal
(Nelton Publications, 10 issues yearly)

(P) NR 81 –E(6)

Ingjournal.com

Butane-Propane News
(Western Business Papers, monthly)

(P) NP 941 –E(1)

bpnews.com

Oilfield Technology Magazine (Palladian Publications, monthly)

(P) 338.2728 -E(3)

oilfieldtechnology.com/magazine/

Gas

World Gas Intelligence
(Energy Intelligence Group, fortnightly)

In electronic format: Electronic Legal Deposit collection

energyintel.com/world-gas-intelligence

Coal

International Mining (Team Publishing Ltd, monthly)

(P) 338.2 -E(1) in Science 2 Reading Room

im-mining.com

Coal International
(Tradelink Publications, bimonthly)

(P) NK 50 -E(3) in Science 3 Reading Room

mqworld.com/coal-international

Sustainable/Renewable Energy Technologies

(all in Science 2 Reading Room)

Biofuels International
(Woodcote Media, bimonthly)

(P) 333.9539 -E(3)

biofuels-news.com

Bioenergy Insight
(Woodcote Media, bimonthly)

(P) 333.953905 -E(2)

bioenergy-news.com

Carbon Capture Journal
(Future Energy Publishing, bimonthly)

(P) 628.532 -E(1)

carboncapturejournal.com/allnews.aspx

Nuclear Energy

(all in Science 3 Reading Room)

Nuclear News (American Nuclear Society, monthly)

(P) PW 179 -E(1)

ans.org/pubs/magazines/nn/

Energy, Electricity, and Nuclear Power Estimates
(International Atomic Energy Agency, annual)

(P) PW 171 -E(2)

iaea.org/publications/15028/energy-electricity-and-nuclear-power-estimates-for-the-period-up-to-2050

Business News and Journals



Factiva

In order to find the latest news on your topic it is always worth searching Factiva, Business Source Complete and EMIS.

Business Source Complete

You will find articles from specialist business and academic journals, as well as newspapers and magazines. You may also find market research reports and case studies. As well as profiles of leading industry figures.

EMIS

You will also find articles covering recent developments and predicting future trends in your industry.

Other Market Research Reports

These titles are available on the open access shelves in the Business & IP Centre reading room. The last print title may be several years old. If available, a link to updated online information is provided.



Electricity Information (International Energy Agency, 2019)

(B) MKT 333.7932021

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.

The service is updated twice a year: in April with complete data up to year-2 and in July with additional provisional supply data for OECD countries for the year-1.

[iea.org/data-and-statistics/data-product/electricity-information](https://www.iea.org/data-and-statistics/data-product/electricity-information)



World Energy Outlook (International Energy Agency, 2020)

Document Supply Centre: 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.

[origin.iea.org/reports/world-energy-outlook-2023](https://www.origin.iea.org/reports/world-energy-outlook-2023)

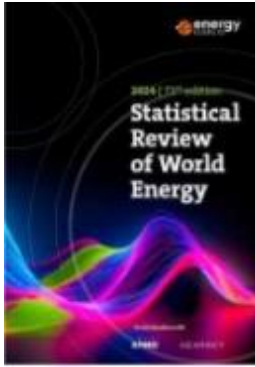


Coal Information (International Energy Agency, 2019)

(B) MKT 333.822021

Coal Information contains time series of coal data for 38 OECD countries and other selected economies from 1960. Country aggregates for OECD Total, OECD Americas, OECD Asia Oceania, OECD Europe and IEA are also included. Statistics are available for detailed supply/demand balances, end-use consumption, trade by origin and destination as well as for calorific values. World supply data is also available.

[origin.iea.org/data-and-statistics/data-product/coal-information-service](https://www.origin.iea.org/data-and-statistics/data-product/coal-information-service)



Statistical Review of World Energy (The Energy Institute)

(B) MKT 333.79 Business (last print copy - 2019)

The Statistical Review analyses data on world energy markets from the prior year.

It has been providing timely, comprehensive and objective data to the energy community since 1952. It is completely free for users to access.

From 1952 until 2022, British Petroleum's economics team provided historic data on world energy markets through its Statistical Review of World Energy, which is now published by the Energy Institute (EI), the chartered professional membership body for people who work in energy.

energyinst.org/statistical-review



PE Outlook 2023 (Petroleum Economist, 2023)

(B) MKT 333.790112 [This title is not available online]

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

Outlook 2023 examines energy's current trilemma – affordability, security and sustainability. The forward-looking special report informs investors and decision-makers of the industry trajectory and sets the agenda for the year ahead.

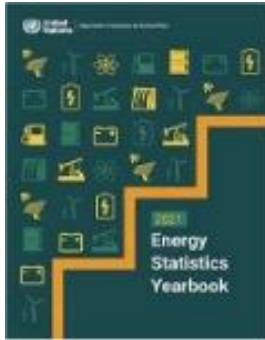


Digest of UK Energy Statistics (UK Department for Energy Security and Net Zero)

(B) MKT 333.790941021

gov.uk/government/statistics/announcements/digest-of-uk-energy-statistics-2024

The Digest of United Kingdom Energy Statistics (DUKES) is the annual energy statistics publication of DESNZ. It provides a detailed and comprehensive picture on the production, trade and consumption of individual fuels and of energy as a whole.



Energy Statistics Yearbook (United Nations)

(B) MKT 333.79094021

Annual data for more than 200 countries and areas for the period 2018 to 2021 are presented on production, trade and consumption of energy for solid, liquid, and gaseous fuels, electricity, and heat. Per capita consumption series are also provided for all energy products.

Graphs are included to illustrate historic trends and/or changes in composition of production and/or consumption of major energy products. Special tables of interest include: international trade tables for coal, crude oil and natural gas by partner countries; selected series of statistics on renewables and wastes; refinery distillation capacity; and a table on selected energy resources.

The Energy Statistics Yearbook is available in printed and electronic (PDF format) versions.

unstats.un.org/unsd/energystats/pubs/yearbook



The Clarkson Research Offshore Review & Outlook (Clarkson Research Services, biannual)

(B) MKT 338.2728 Business

Clarkson Research is the leading data and intelligence source for the global Offshore Oil and Gas industry and the rapidly expanding Offshore Renewables sector. Through our digital platform, Offshore Intelligence Network, they provide a constant flow of Offshore research, powerful data and Offshore analysis on utilisation, day rates and market supply / demand across the Offshore Oil and Gas fleet including rigs, OSVs, subsea and floating production.



World Nuclear Supply Chain Outlook (World Nuclear Association)

(B) MKT 333.7924 - for 2016 -2035

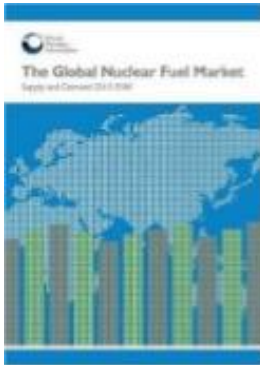
YC.2021.b.1250 - for 2020 – 2040

The World Nuclear Supply Chain provides a market-oriented view of the status, opportunities and challenges of the supply chain for nuclear power plants focusing on nuclear-grade structures, systems, components and services. The report covers the life-cycle of nuclear power plants through construction, operation and decommissioning. This includes new build of large

gigawatt-scale and small modular reactors (SMRs) including advanced and microreactors, as well as reactor refurbishment to support long-term operation.

The report also advances recommendations on how to optimize the international supply chain to support resilience and efficiency.

world-nuclear.org

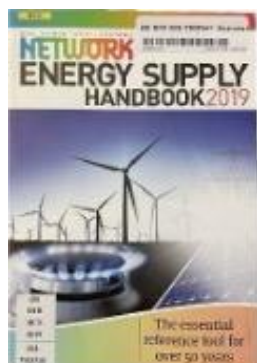


**Global Nuclear Fuel Market
(World Nuclear Association, 2013)**

(B) MKT 338.2749320112 Business

The Global Nuclear Fuel Market: Supply and Demand 2013- 2030 analyses and projects the supply and demand of fuel for the world's nuclear power reactors according to three scenarios covering the range of realistic possibilities. The report draws on the expertise of individuals from WNA member companies as well as external sources of information. The different elements of the nuclear fuel supply chain - primary and secondary supply, conversion, enrichment and fabrication - are separately examined. Global reactor uranium requirements are projected forward from 62,170 tU in 2012 to a 2030 total of between 59,000 tU in the lower scenario to 119,000 tU in the upper scenario.

Directories



Network Energy Supply Handbook (Reed Business Information, 2019)

[(B) DIR 333.7902541]

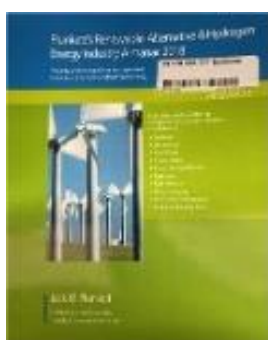
Directory of UK suppliers, including who's who name list; list of power stations, including those planned and under construction.



2021 Worldwide Gen-Set and Cogeneration Directory (Global Media Publishing, 2021)

[(B) DIR 333.793]

International directory of 2,000 manufacturers and service providers.



Plunkett's Renewable, Alternative & Hydrogen Energy Industry Almanac (Plunkett Research, 2018)

[(B) DIR 333.794]

Directory of companies. International, with a strong focus on the United States.



2021 World Nuclear Industry Handbook (Global Trade Media, 2021)

[(B) DIR 333.7924025]

Lists contact details of companies worldwide; gives specifications of nuclear reactors worldwide.

Internet Sources

Websites containing free sources of policy, industry statistics, information and contacts.

United Kingdom

Department of Energy Security & Net-Zero

The Department for Energy Security and Net Zero (DESNZ) is focused on the energy portfolio from the former Department for Business, Energy and Industrial Strategy (BEIS) tasked with delivering security of energy supply, ensuring properly functioning energy markets, encouraging greater energy efficiency, and seizing the opportunities of net zero to lead the world in new green industries.

[gov.uk/government/organisations/department-for-energy-security-and-net-zero](https://www.gov.uk/government/organisations/department-for-energy-security-and-net-zero)

[gov.uk/guidance/contact-desnz](https://www.gov.uk/guidance/contact-desnz)

Centre for Sustainable Energy (CSE)

CSE supports people and organisations across the UK to tackle the climate emergency and end the suffering caused by cold homes.

[cse.org.uk](https://www.cse.org.uk)

T: 0117 934 1400

info@cse.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.

[carbontrust.com](https://www.carbontrust.com)

[carbontrust.com/contact](https://www.carbontrust.com/contact)

Energy & Utility Skills

Provides membership, assurance and skills solutions to help employers attract, develop and retain a sustainable, skilled workforce. Membership is composed of the major infrastructure companies within water, power, gas and waste management.

[euskills.co.uk](https://www.euskills.co.uk)

T: 0121 713 8255

[euskills.co.uk/contact/](https://www.euskills.co.uk/contact/)

Energy Industries Council (EIC)

Trade association. Provides a member's list of over 670 UK companies that supply capital goods and services to the energy industries worldwide.

the-eic.com

T: 020 7091 8600

info@the-eic.com

Energy Institute

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

energyinst.org

T: 0207 467 7100

info@energyinst.org

Energy Saving Trust

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

energysavingtrust.org.uk/

energysavingtrust.org.uk/about-us/contact-us

Energy Trends (UK Department of Energy Security & Net Zero)

Quarterly publication which presents data on the supply and demand of all the major fuels in the United Kingdom.

gov.uk/government/collections/energy-trends

Energy UK

The trade association for the energy industry. Promotes the interests of members who generate electricity including those from renewable energy technologies.

energy-uk.org.uk

T: 020 7930 9390

Environmental Services Association

Companies providing waste management and associated environmental services, including energy generation from waste.

esauk.org

T: 0207 824 8882

esauk.org/contact-us

National Energy Foundation

An independent charity that works to improve the use of energy in buildings.

nef.org.uk

T: 01908 665555

info@nef.org.uk

Regional Renewable Statistics (UK Department of Energy Security & Net Zero)

These tables show a variety of renewable electricity data for the devolved administrations and the regions of England.

gov.uk/government/statistics/regional-renewable-statistics

Renewable Energy Association

Promotes renewable power production and supports renewable power production across all technologies. The REA is the UK's largest renewable energy and clean technology body, representing around 500 member companies.

r-e-a.net

T: 020 7925 3570

info@r-e-a.net

Renewable Energy Hub

Information resource for UK consumers on how to switch to renewable energy sources, including details of local installers.

renewableenergyhub.co.uk/

T: 01392 693900

renewableenergyhub.co.uk/main/contact-us

RenewableUK

Trade and professional body for the UK renewable energy industry. They support over 450 member companies to ensure increasing amounts of renewable electricity are deployed across the UK and access markets to export all over the world. Members are business leaders, technology innovators, and expert thinkers from right across industry.

renewableuk.com

T: 020 7901 3000

info@RenewableUK.com

Solar Energy UK

Solar Energy UK is an established trade association working for and representing the entire solar and energy storage value chain. We are funded largely by our membership and represent a thriving member-led community of over 400+ businesses and associates. Our members range from ambitious and innovative SMEs to global brands.

solarenergyuk.org
enquiries@solarenergyuk.org

Total Energy Statistics (UK Department of Energy Security & Net Zero)

Overall energy balances of energy supply and demand in the United Kingdom.
gov.uk/government/collections/total-energy-statistics

UK Energy Research Centre

The UK Energy Research Centre (UKERC) carries out world-class, interdisciplinary research into sustainable future energy systems. UKERC is an independent research centre, with researchers based in 20 different institutions throughout the UK.

ukerc.ac.uk

International

European Forum for Renewable Energy Sources (EUFORES)

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

eufores.org
T: +32 (0)2 546 1948 (Belgium)
eufores@eufores.org

International Atomic Energy Network (IAEA)

The United Nations agency promoting peaceful uses of nuclear energy. Their procurement portal is available here:iaea.org/about/procurement

iaea.org
Tels: (+43-1) 2600-0 (Austria); (001) 212-963-6010 or 6011 (USA);
(+41) 22 917-3620 (Switzerland)
iaea.org/contact/official-mail

International Energy Agency

An intergovernmental body advancing security of energy supply, economic growth and environmental sustainability through energy policy co-operation. They provide authoritative analysis, data, policy recommendations and solutions to ensure energy security and help the world transition to clean energy.

iea.org

T: +33 (0)1 40 57 65 00 (France)

iea.org/contact

Wind Europe

WindEurope seeks to facilitate national and international policies and initiatives which strengthen the development of European and global wind energy markets, infrastructure and technology.

windeurope.org

T: +32 2 213 1811 (Belgium)

info@windeurope.org

World Energy Council (WEC)

Global multi-energy organisation with member committees in over 90 countries. Organisation covers all types of energy including renewable resources.

worldenergy.org

T: 0207734 5996

worldenergy.org/about-us/contact-us

World Nuclear Association

International organisation representing the global nuclear industry. Aims to promote a wider understanding of nuclear energy by producing authoritative information, developing common industry positions, and contributing to the energy debate.

world-nuclear.org

T: 020 7451 1520

info@world-nuclear.org

World Nuclear Report

The annual World Nuclear Industry Status Report assesses the status and trends of the international nuclear industry. It provides a comprehensive overview of nuclear power plant data, including information on operation, production, fleet age, and construction.

worldnuclearreport.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.

wrenuk.co.uk

asayigh@wrenuk.co.uk (Prof. A Sayigh)

Disclaimer

Please note that 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 online catalogue “Explore the British Library” explore.bl.uk for more details.

The Business & IP Centre is here to help you start and grow your business. We offer one-to-ones, specialist workshops, inspiring events and access to premium market data and intelligence - all for free. We are home to the UK's largest collection of business and intellectual property (IP) information, as well as a thriving community of entrepreneurs. Based in the British Library and over 70 libraries across the UK. Visit the Business & IP Centre or bl.uk/bipc to find out more.