

<http://www.guardian.co.uk/environment/table/2008/sep/18/cleantech100fullist.cleantechnology100>

## CleanTech 100: The full list

From eco-bulbs to tidal turbines, the companies in the 2008 Guardian/Library House CleanTech 100 are building the future

- [The Guardian](#),
- [e Guardian](#), Thursday 18 September 2008

Rank (1 to 10 only)	Company	Sector	What they do	Product status	Based	Founded	Employees
---------------------	---------	--------	--------------	----------------	-------	---------	-----------

See the whole [2008 Guardian/Library House CleanTech 100](#) plus features and comment [How the companies were selected](#)

Data supplied by [Library House](#)

1	Odersun	Solar power	<a href="#">Design and manufacture of thin-film flexible solar cells</a>	Shipping	Germany, Frankfurt	2002	90
2	Deep Stream Technologies	Distribution and management	<a href="#">‘Embedded intelligence’ circuits for power management</a>	Shipping	UK, Bangor	2003	52
3	CamSemi	Electricals	<a href="#">Low cost, low power standby mode technology</a>	Shipping	UK, Cambridge	2000	57
4	SiC Processing Industry		<a href="#">Hydrocyclone technology to improve solar cell production</a>	Shipping	Germany, Hirschau	2000	Undisclosed
5	Marine Current Turbines	Marine power	<a href="#">Tidal turbines</a>	Development	UK, Bristol	1989	15
6	Sulfurcell Solartechnik	Solar power	<a href="#">Thin film solar technology</a>	Shipping	Germany, Berlin	2001	60
7	Pelamis Wave Power	Marine power	<a href="#">Wave energy technology</a>	Shipping	UK, Edinburgh	1998	70
8	Solarcentury	Solar power	<a href="#">Mass market solar technology</a>	Shipping	UK, London	1998	100
9	Nujira	Electricals	<a href="#">Low-power mobile-phone and radio</a>	Testing	UK, Cambridge	2002	47

Rank (1 to 10 only)	Company	Sector	What they do	Product status	Based	Founded	Employees
10	Atraverda	Electricals	<a href="#">transmission Conductive ceramics for power storage</a>	Development	UK, Abertilly	1991	8
	Biogasol	Biofuels	<a href="#">Bioethanol based fuels from organics</a>	Development	Denmark, Kgs Lyngby	2005	15
	Choren Industries	Biofuels	<a href="#">Turns biomass into tar-free synthetic gas</a>	Shipping	Germany, Freiburg	1997	230
	KiOR	Biofuels	<a href="#">Converts biomass into bio-crude</a>	Development	Netherlands, Hoevelaken	2007	15
	Green Biologics	Biofuels	<a href="#">Advanced microbial technologies to convert biomass</a>	Development	UK, Abingdon	2002	20
	Inetec	Biofuels	<a href="#">Turns food waste into energy</a>	Shipping	UK, Brigend	1997	11
	Orchid Environmental	Biofuels	<a href="#">Converts household waste into energy</a>	Shipping	UK, Lancashire	2003	Undisclosed
	Regenastar	Biofuels	<a href="#">Biofuel conversion systems for diesel engines</a>	Development	UK, Oxford	2008	Undisclosed
	TMO Renewables	Biofuels	<a href="#">Next generation biofuels using micro-organisms</a>	Development	UK, Guildford	2002	29
	SweTree Technologies	Biofuels	<a href="#">Specialist breeding technologies for trees</a>	Development	Sweden, Umea	1999	11
	Microtherm	Building technology	<a href="#">Innovative thermal insulation</a>	Shipping	Belgium, Sint-Niklaas	1970	60
	ChromoGenics Sweden	Building technology	<a href="#">Electrochromism - control of light and heat</a>	Shipping	Sweden, Uppsala	2002	21
	Integrated Environmental Solutions	Building technology	<a href="#">Simulation software for eco-buildings</a>	Shipping	UK, Glasgow	1994	93
	Onzo	Building technology	<a href="#">Smart electricity meters</a>	Shipping	UK, London	2007	12
	ClimateWell	Building technology	<a href="#">Solar-powered air conditioning</a>	Shipping	Sweden, Hägersten	2001	46

Rank (1 to 10 only)	Company	Sector	What they do	Product status	Based	Founded	Employees
	2K Manufacturing	Building technology	<a href="#">Eco-friendly construction materials</a>	Beta	UK, London	2007	5
	Econnect	Distribution and management	<a href="#">Connects renewables to the national grid</a>	Shipping	UK, Hexham	1994	54
	Flexitricity	Distribution and management	<a href="#">Matches supply and demand</a>	Shipping	UK, Edinburgh	2004	Undisclosed
	Rltec	Distribution and management	<a href="#">Dynamic demand technology</a>	Development	UK, London	1999	9
	Moixa Energy	Distribution and management	<a href="#">Portable power technologies</a>	Shipping	UK, London	2005	8
	Watteco	Distribution and management	<a href="#">Energy management including consumption limiters</a>	Shipping	France, La Garde	1998	14
	Insensys	Distribution and management	<a href="#">Fibre optic strain measurement</a>	Shipping	UK, Southampton	2002	20
	Camfridge	Electricals	<a href="#">Gas-free, magnetic refrigeration</a>	In development	UK, Cambridge	2003	6
	Novalad	Electricals	<a href="#">Organic light emitting diodes</a>	Shipping	Germany, Dresden	2001	110
	Ubidyne	Electricals	<a href="#">Low-power digital radio broadcasting</a>	In development	Germany, Ulm	2005	30
	Pelikon	Electricals	<a href="#">Next generation liquid crystal displays</a>	Shipping	UK, Caerphilly	1999	50
	Plastic Lodge	Electricals	<a href="#">Plastic electronics</a>	Shipping	UK, Cambridge	2000	90
	Metrolight	Electricals	<a href="#">Lighting control systems</a>	Shipping	Israel, Netanya	1996	30
	Norstel	Electricals	<a href="#">Materials for low-power electricals</a>	Shipping	Sweden, Norrköping	2005	50
	QuNano	Electricals	<a href="#">Nanoelectronics Nanotechnology, including</a>	Development	Sweden, Lund	2005	Undisclosed
	Nanotecture	Energy storage	<a href="#">powders for batteries</a>	Shipping	UK, Southampton	2002	17
	Enfucell	Energy	<a href="#">Paper thin</a>	Development	Finland,	2002	20

Rank (1 to 10 only)	Company	Sector	What they do	Product status	Based	Founded	Employees
	Effpower	storage	<a href="#">batteries</a>		Espoo		
	High Power Lithium	Energy storage	<a href="#">Hybrid vehicle batteries</a>	Development	Sweden, Hisings Backa	1999	30
	ReVolt Technology	Energy storage	<a href="#">Nano-structured metal oxides</a>	Development	Switzerland, Lausanne	2003	12
	Oxis Energy	Energy storage	<a href="#">Zinc-air batteries</a>	Development	Switzerland, Staefa	2004	50
	Ilika Technologies	Energy storage	Low-weight batteries	Development	UK, Abingdon	2000	7
	Xipower	Energy storage	<a href="#">Advanced materials</a>	Development	UK, Southampton	2004	17
	P21	Energy storage	<a href="#">Battery-based energy storage</a>	Development	UK, Alloa	2003	Undisclosed
	EnStorage	Energy storage	<a href="#">Power for remote locations</a>	Shipping	Germany, Brunthal	2001	35
	Electro Power Systems	Energy storage	<a href="#">Wind and power plant fuel cells</a>	Development	Israel, Zichron Yaacov	2007	5
	Acal Energy	Energy storage	<a href="#">Fuel cells for business</a>	Shipping	Italy, Alpignano	2005	23
	St Andrews Fuel Cells	Energy storage	<a href="#">Fuel cells for cars and homes</a>	Development	UK, Runcorn	2004	10
	Intelligent Energy	Energy storage	<a href="#">Solid oxide fuel cells</a>	Development	UK, Fife	2005	6
	Bac2	Energy storage	<a href="#">High density fuel cells</a>	Development	UK, Loughborough	2000	97
	Metalysis	Industry	<a href="#">Electrically conductive resin for fuel cells</a>	Development	UK, Southampton	2001	4
	RecovCo	Industry	<a href="#">Low energy metal processing</a>	Development	UK, Rotherham	2001	40
	Perpetuum	Industry	<a href="#">Aluminium recycling</a>	Development	UK, London	2004	3
	AQUAporin	Industry	<a href="#">Harnessing vibration energy for sensors</a>	Development	UK, Southampton	2004	10
	Fluxxion	Industry	<a href="#">Biotech-based water purification</a>	Development	Denmark, Kgs Lyngby	2005	6
	LM Glasfiber	Industry	<a href="#">Silicon wafer membrane technology</a>	Development	Netherlands, Eindhoven	2003	17
	ScotAsh	Industry	<a href="#">Blades for wind turbines</a>	Shipping	Denmark, Lunderskov	1940	4100
	Neosens	Industry	<a href="#">Eco-friendly construction materials</a>	Shipping	UK, Alloa	1999	22
		Industry	<a href="#">Contaminant</a>	Shipping	France,	2001	14

Rank (1 to 10 only)	Company	Sector	What they do	Product status	Based	Founded	Employees
			<a href="#">sensors</a>		Labege Cedex		
	Scotrenewables	Marine power	<a href="#">Free floating tidal energy systems</a>	Shipping	UK, Orkney	2002	19
	HydroVenturi	Marine power	<a href="#">Small scale hydro and tidal power</a>	Beta	UK, London	1999	8
	OECon	Marine power	<a href="#">Oscillating water column technology</a>	Development	UK, Derriford Plymouth	2008	Undisclosed
	Lunar Energy	Marine power	<a href="#">Seabed tidal turbines</a>	Development	UK, Hessle	2001	Undisclosed
	OpenHydro	Marine power	<a href="#">Tidal turbines with slow moving rotors</a>	Beta	Ireland, Dublin	2004	27
	4d-Technologie GmbH	Solar energy	<a href="#">Solar-thermal collector system</a>	Shipping	Germany, Leipzig	2005	Undisclosed
	Concentrix Solar	Solar energy	<a href="#">Concentrators for photovoltaic cells</a>	Development	Germany, Freiburg	2005	Undisclosed
	CSG Solar	Solar energy	<a href="#">Thin-film solar technology</a>	Shipping	Germany, Thalheim	2004	55
	Solarion	Solar energy	<a href="#">Flexible thin film solar technology</a>	Shipping	Germany, Leipzig	2000	20
	Solitem	Solar energy	<a href="#">Trough-shaped solar collectors for heating and cooling</a>	Shipping	Germany, Aachen	1999	50
	Würth Solar GmbH & Co KG	Solar energy	<a href="#">Copper-indium-diselenide solar cells</a>	Shipping	Germany, Marbach	1999	183
	Norsun	Solar energy	<a href="#">Thin crystalline silicone wafers</a>	Development	Norway, Oslo	2005	Undisclosed
	QuantaSol	Solar energy	<a href="#">Nano-scale solar cell technology</a>	Development	UK, London	2006	5
	Whitfield Solar	Solar energy	<a href="#">Solar concentration systems</a>	Development	UK, Reading	2004	5
	Heliatek	Solar energy	<a href="#">Organic solar cells</a>	Development	Germany, Dresden	2006	13
	G24i	Solar energy	<a href="#">Advanced solar cells that mimic photosynthesis</a>	Development	UK, Cardiff	2006	60
	EVO Electric	Transport	<a href="#">High-power, low-density</a>	Development	UK, Woking	2006	10

Rank (1 to 10 only)	Company	Sector	What they do	Product status	Based	Founded	Employees
	Loremo	Transport	<a href="#">electric motors</a> <a href="#">Lightweight, fuel-efficient vehicles</a>	Development	Germany, Mari	2003	18
	Think Global	Transport	<a href="#">Emission free electric vehicles</a>	Shipping	Norway, Aurskog	1999	Undisclosed
	Modec	Transport	<a href="#">Commercial electric vehicles</a> <a href="#">Next generation hybrid technology</a>	Development	UK, Coventry	2004	55
	NexxtDrive	Transport	<a href="#">Next generation hybrid technology</a>	Development	UK, London	2000	5
	Advanced Transport Systems	Transport	<a href="#">Personal-public urban transport</a>	Shipping	UK, Thornbury	1995	20
	PML Flightlink	Transport	<a href="#">Compact electric motors for cars and scooters</a>	Shipping	UK, Hampshire	2001	90
	Vestesen	Waste stream power	<a href="#">Wind-diesel systems</a>	Shipping	Denmark, Viby J	2002	Undisclosed
	Environmental Energy Resources	Waste stream power	<a href="#">Eco-friendly waste disposal</a>	Shipping	Israel, Ramat Gan	2000	15
	Freepower	Waste stream power	<a href="#">Electricity from waste heat</a>	Shipping	UK, Andover	2000	13
	Juwi	Waste stream power	<a href="#">Finances and develops renewable energy</a>	Shipping	Germany, Mainz	1996	250
	Stirling Danmark	Waste stream power	<a href="#">Biomass-powered generators</a>	Shipping	Denmark, Kgs Lyngby	2004	9
	Cogenco	Waste stream power	<a href="#">Combined heat and power generators</a>	Shipping	UK, Horsham	1991	70
	Green Fuels	Waste stream power	<a href="#">Waste oil to diesel conversion</a>	Shipping	UK, Stonehouse	2003	10
	Econcern	Waste stream power	<a href="#">Holding companies focusing on innovation</a> <a href="#">Offshore wind farm construction</a>	Shipping	Netherlands, Utrecht	1984	950
	A2SEA	Wind power	<a href="#">Offshore wind farm construction</a>	Shipping	Denmark, Fredericia	2000	160
	Winwind	Wind power	<a href="#">Low</a>	Shipping	Finland, Oulu	2000	150

Rank (1 to 10 only)	Company	Sector	What they do	Product status	Based	Founded	Employees
	France Eoliennes	Wind power	<a href="#">maintenance wind turbines</a> <a href="#">Micro wind turbines</a>	Shipping	France, Fay aux Loges	2003	116
	SkySails	Wind power	<a href="#">Towing kites for ships</a>	Development	Germany, Hamburg	2002	60
	Emergya Wind Technologies	Wind power	<a href="#">Low operating cost turbines</a>	Shipping	The Netherlands, Schoondijke	2004	Undisclosed
	Proven Energy	Wind power	<a href="#">Small scale wind turbines</a>	Shipping	UK, Stewarton	1980	28
	Quiet Revolution	Wind power	<a href="#">Ultra-quiet wind turbines</a>	Shipping	London, UK	2005	Undisclosed