SOUTH WEST SCIENCE & INDUSTRY COUNCIL

South West England

South West Clean Technologies Strategic Industry Map, August 2008

South West of England Regional Development Agency

Consultancy

Business Consultancy
- AC & T
- ADPS
- Advanced Recycling Technologies
- BDOR
- Ernst & Young
- Halcrow
- ...
- McKinsey & Co
- Ernst & Young
- Bain & Co
- BCG
- Cogeneration Technologies
- Accenture

Environmental Consultancy
- ADAS
- Ewan Group
- ESD UK
- Enact Energy
- Hydrock
- IT Power
- Juniper Cons.
- ...
- Enviros Consulting
- Mott MacDonald
- Ewan Group
- Tauw

Technical Consultancy
- Garrad Hassan
- Halcrow
- Offshore Marine
- PMSS
- Royal Haskoning
- Black & Veatch
- ...
- Garrad Hassan
- Royal Haskoning
- POYRY

Supporting Infrastructure

Resource Efficiency
- CSE
- Envirowise
- Envision
- Technology Assoc.
- ...
- Carbon Trust
- Energy Saving Trust
- Lighting Assoc
- Combined & Power Assoc.
- ...

Organisations & Bodies
- CSE
- Darp Environmental
- NISP
- Regen SW
- ...
- Carbon Trust
- EMEC
- Solar Trade Association
- British Wind Energy Ass.
- Renewable Energy Ass.

Environmental Education
- Aardvark EM
- ADAS Renewable Energy
- Bheara
- Biofuel Matters
- CSE
- The Eden Project
- ...
- CEE (council for Environmental Education)
- ECO-UNESCO
- Greenpeace Intnl
- Go Green Initiative
- NAAEE

Finance
- Monkton Group
- Triodos Bank NV
- SWAIN
- Advent International
- Apax Partners
- Chrysalix Energy
- Nth Power
- Odyssey Venture Partners

Environmental Impact & Modelling
- Atkins
- Coastal Science
- Met Office
- Plymouth Marine Laboratory
- Royal Haskoning
- Environmental Science Assoc.
- EnviroTech
- Hyder Consulting
- Impact Environmental
- JMP Consulting

Laboratories
- Brixham Environmental Laboratory
- Darp Environmental Ltd
- Plymouth Marine Laboratory
- Ames Laboratory
- NETL
- Pacific Northwest National

Academic Research

Environmental Impact
- Univ. of Bath: The International Centre for the Environment
- Bournemouth University
- Bristol University
- Cranfield University
- Univ. of Exeter
- UWE (Univ. of West England)
- Univ. of Plymouth

Wind Technologies
- Cranfield University
- Univ. of Bath
- UWE (Univ. of West England)

Marine Technologies
- PRIMaRE
- Univ. of Bath: The International Centre for the Environment
- Cranfield University
- Univ. of Exeter
- Univ. of Plymouth

Solar Technologies
- Univ. of Bristol: Renewable Energy Conversion Project
- Univ. of Bath: Chemistry Dept.
- Univ. of Exeter
- UWE (Univ. of West England)

Energy Technologies

Small Scale Generation and Design

Kinetic Energy

Micro-Wind Turbines
- Aeolus Power Ltd.
- Ampair
- Equinox Energy
- Powertech Solar
- Quiet Revolution
- Windsave
- RD Swift Turbines

Micro-Hydro Systems
- Ampair
- Evans Engineering
- Segen Ltd / Hydro Generation
- Rainbow Power
- Energy Systems&Des.
- Gugler

Biomass Boilers & Heating
- Dunster Woodfuels
- Eco-Exmoor
- EcoFirst
- Flamefix
- Treco
- Wood Energy
- ...
- Aarrow Fires
- Greenwood Technologies
- Talbotts
- Viessmann

Solar & Geothermal Energy

Solar Thermal
- ACE Plumbing & Heating
- Barum Solarheat
- Ecovision Systems
- Grant Engineering
- Powertech Solar
- ...
- Schuco
- Solar UK
- Future Solar

Solar Photovoltaics
- Barum Solarheat
- Equinox Energy
- Imagination Solar
- BP Solar
- Flexcell
- Uni-Solar

Heat Pumps
- ACE Plumbing & Heating
- Barum Solarheat
- EarthEnergy
- Ecovision Systems
- Kensa Engineering
- Microgeneration Ltd
- ...
- Alliant Energy Geothermal
- ClimateMaster
- WaterFurnace
- Invisible Heating Systems

Large Scale Generation

Kinetic Energy

Tidal Systems
- Marine Current Turbines
- Sub Sea Turbines
- Tidal Generation
- Western Hydro
- Marine Current Turbines
- ENERMAR
- Tidal Generation
- UEK Corp.

Wave Systems
- Embley Energy
- Ocean Prospect
- Offshore Wave Energy
- ORECon
- Ocean Power Technologies
- Oceanlinx
- Pelamis Wave Power
- Wavegen

Hydro Systems
- Evans Engineering
- Western Hydro
- Alstom
- Bharat Heavy Electricals
- GE
- Voith Siemens

Wind Turbines
- Seawind
- Enercon
- Nordex
- GE Wind
- RePower
- Suzlon
- Siemens
- Vestas Wind

Solar & Geothermal Energy

Solar Thermal & Photovoltaics
- Kyocera Solar
- Mitsubishi Electric
- Q-Cells
- Sharp Power
- Sanyo
- SunPower

Geothermal Systems
- Earth Energy
- ClimateMaster
- Ice Energy
- Ormat
- Sequoien

Thermal & Combustion Power

High Efficiency Combustion
- Hamworthy Combustion Engineering
- Zenex Energy
- Rentech Inc
- Syntroleum
- FutureGen
- Phenix Limited

More Efficient Gas Turbines
- CENTRAX
- Hamworthy Combustion Engineering
- Rolls Royce
- Gas Turbine Lab.
- GE Energy
- Nye Thermodynamics
- Rolls Royce

Development & Distribution

Small Scale

Installers
- Celtic Solar Ltd.
- EcoFirst Ltd.
- Freesource Energy
- Lorne Stewart
- Samsun Energy
- Solar Ray Ltd.
- Somerset Solar
- ...
- Eternal Energy Systems
- GreenWorks
- Solartwin
- Solar Integrated T.
- Solarcentury

Large Scale

Project Development & Management
- Alvan Blanch
- Devon Wind Power
- M&W Zander FE
- Mott Macdonald
- Natural Generation
- Ocean Prospect
- Seawind
- ...
- AECOM
- Earth Tech
- Tetra Tech
- URS

Construction
- Advanced Rec. Technologies
- Avent Eng.
- Carnon Contracting
- Jackson Drilling
- Fugro Seacore
- ...
- AMEC
- Birse
- McAlpine
- Nuttall

Maintenance

Households

Operation & Distribution

Operators & Developers
- Ecotricity
- Farm Energy
- npower renewables
- Nuon Renewables
- Infinergy
- RWE npower
- Wind Prospect
- British Energy
- npower
- PPM Energy

Electricity Supply
- Ecotricity
- Good Energy
- RWE npower
- British Energy
- EDF Energy
- Scottish Power

Electricity Distribution
- Western Power Distribution
- Areva T&D
- National Grid
- Scottish Power

Fuels & Fuel Cells

Hydrogen Generation
- South West Electrolysers
- Domnickhunter
- Eitron Research & Development
- General Electric

Fuel Cells
- Johnson Matthey
- Ballard Power Systems
- Fuel Cell Energy
- Hydrogenics Corporation
- Plug Power
- UTC

Biofuels

Biodiesel
- ABS Biodiesel
- Esterco Biofuels
- Green Fuels
- Greenstar Biofuels
- Kernow Biofuels
- Plymouth Biofuels
- Agri-Energy
- Argent Energy
- Biofuels Corp.
- DMF Biodiesel
- Ineos

Bioethanol
- Green Spirit
- Abengoa
- ABF
- BP Biofuels
- British Sugar
- Green Spirit

Biomass
- Bical
- C A A Barnes & Partners
- Forest Fuels
- Loglogic
- Melcourt Industries
- Energy Crops Co.
- ...
- Agromass Biofuels Ltd
- Biomass UK
- Coppice Resources
- REFA

Energy Consumption

Energy Storage

Consumer Fuel Cells
- Johnson Matthey
- Angstrom Power
- Johnson Matthey
- Medis Technologies
- Plug Power
- Staxon

Advanced Batteries
- Byd Company
- Maxwell
- OM Group
- Ovonic Battery Company
- Ultralife Batteries, Inc.

Flywheels
- AFS Trinity Power Corporation
- Active Power Inc
- Beacon Power
- Vycon

Grid Scale Energy Storage
- CAES Dev. Co.
- Mitsubitshi Heavy Industries
- NGK Insulators

Energy Efficiency

Sensors
- Beran Instruments
- BIRAL
- Danlers
- Horstmann Controls
- J&S Marine
- Naturalwatt Ltd
- Parasense
- ...
- xIntenergy (Excellent Industrial Instrument)
- OSRAM
- Sensor Switch
- SYLVANIA

Energy Efficient Construction
- Julian Brooks Associates
- Lacey Hickie & Caley
- North Midland Construction
- Mark Kingsley Architects
- ...
- InsideOut Buildings
- Quickheat
- Screwfix
- Sprayseal

Insulation & Thermal Windows
- Burdens Environmental
- BPB
- IBS Insulation
- Insulating Coatings
- Kingspan Insulation
- NGP Industries
- Total Comfort Solution

Heating & Cooling Tech
- Brittech Controls
- Chalmor
- Continental Underfloor
- Danlers
- Hy-Save
- Nu-Heat
- ...
- Aalborg Ind.
- Bard Manufact.
- Carrier Corp
- Goodman Manufacturing Company

Combined Heat and Power
- CENTRAX
- Dalkia
- M+W Zander FE
- Spirax Sarco
- Cogen ASA
- Dalkia
- McCree
- WhisperGen

Low Energy Lighting

Fluorescent and LED Lighting
- Fitzgerald Lighting
- Powertech Solar
- Megaman UK
- Alternate Lighting
- EcoPower Electric
- Enertron
- GS Yuasa Corp.
- Sylvania

Solar Lighting Systems
- Fitzgerald Lighting
- Powertech Solar
- 1a Solar
- Bright Light Solar
- Kyocera
- ShengCheng Industrial Co

Transport Engines and Motors

High Efficiency Engines
- Lister Petter
- Delphi Corp.
- Siemens Govt. Services
- TIAX LLC
- Visteon Corp.

Novel / Efficient Aerospace Engines
- Airbus UK
- Cobham
- RCV Engines
- Rolls Royce
- Smiths Aerospace
- UWE
- AgustaWestland
- GE
- Honda
- Honeywell
- Pratt & Witney
- Rolls-Royce
- Snecma

Hybrid Engines
- Anstee & Ware
- APDS
- Baldor UK
- PML Flightlink
- General Motors
- Honda
- Lexus
- Toyota

Manufacturing
Clean manufacturing and recycled materials use

Environmental Impact Reduction

Air Treatment

Air Monitoring
- Enviro Technology Services Plc
- TSI Instruments
- PerkinElmer
- Sigma-Aldrich
- Thermo Fisher Scientific

Air Cleaning
- AER Control Systems
- Air Impurities Removal Systems
- AQE (Air Quality Engineering)
- Ceilcote Air Pollution Control

Water & Soil Treatment

Water Monitoring
- Bournemouth & West Hampshire Water
- Burdens Environmental
- Water Matters
- BBE Moldaenke
- Danfoss
- EnviroSafe Australia
- Stevens Water Monitoring Sys.

Water Treatment Plants
- Aquator Group
- Bournemouth & West Hampshire Water
- South West Water
- Wessex Water
- Biwater
- Fremont Industries
- Nijhuis Water Technology
- West Point Treatment Plant

Contaminated Land & Remediation
- Atkins
- Burdens Environmental
- Hydrock
- Towens Waste Management
- Viridor
- Biffa
- EPG Companies
- JMC Soil Samplers
- Rockbourne Environmental

Water Treatment Technologies

Mechanical
- Amos Pumps
- Aquator Group
- Bournemouth & West Hampshire Water
- Lowara UK
- Acquasan
- Andritz
- Biwater Treatment
- Injecta
- Slamex

Chemical
- Aquator Group
- South West Water
- Towens Waste Management
- Watercare System
- Accepta Water
- Kurita Water Treatment
- Siemens Water
- Veolia Water

Biological
- Aquator Group
- South West Water
- Towens Waste Management
- 3D Water
- Kurita Water Treatment
- Siemens Water
- VEOLIA Water

Waste Management

Recyclate Markets

Compostable Materials
- Eco Composting
- EcoSci
- Melcourt Industries
- New Earth Solns
- Rabbitt
- Viridor
- ...
- Allied Waste Industries
- Biffa
- Dickerson
- Greenstar
- WSN

Plastics & Rubber
- Black Ram Recycling
- IES Ltd
- Penfold Plastics
- BPI
- Baylis
- Closed Loop
- Chase Plastics
- Greenstar
- LINPAC

WEEE & ELV
- CKS Electronics Recycling
- DARP Environmental
- RecommIT
- Viridor
- CRT Heaven
- Biffa
- Coolrec
- EnvironCom
- Noranda Recycling
- Roydon Holdings
- Sims Group

Glass
- Bottleman
- Cornwall Cullet
- Green Glass Company
- Krysteline
- Viridor Glass Recycling
- Glass Recycling
- Greenstar
- SITA UK

Paper
- Bottleman
- Perrys Recycling
- Rabbitt
- St. Regis Paper
- Greenstar
- National Paper Recycling
- SITA UK

Metals & Tyres
- Bandvulc
- Crumb Rubber
- Avon Metals
- Dunn Bros
- EJ Shanley
- Autogreen
- ELV Ltd
- ELVS Corp.
- Hewitt International
- MDJ Light
- Reklaim
- Sims Group

Refuse & Collection
- Coastal Waste
- Grundon
- Hills
- Secure Waste Mgt
- Sita
- Towens
- Viridor
- ...
- Biffa
- Peoria Disposal Company
- SITA UK
- Veolia Environmental Services

Wood
- Hills
- Southwood Waste Mgt.
- Wood Yew Waste
- Wilstshire Wood Rec.
- AHS Recycling
- Giffords
- Hadfield
- UK Wood Recycling

Aggregates
- Recycled Rock & Aggregate
- Smith's Recycling
- Gilpin
- Coastal Waste
- Aggregate Industries
- CEMEX UK
- Eco Aggregates
- FM Conway
- Lafarge Aggr.
- McGrath
- Wastecycle

Landfill
- Hills
- Sita
- Southwood Waste Management
- Viridor
- Allied Waste Industries
- Greenstar
- MSW Management
- Veolia

Hazardous Waste
- AMEC NNC
- Devon Waste Management
- Augean
- BCB Environmental Management
- Bywaters
- Excel Waste Services
- SITA UK

Separation, Storage & Compaction Technology
- Advanced Rec. Technologies
- Alvan Blanch Development Co.
- Grundon
- Viridor
- Waste Handling
- Adler and Allan Group
- Doppstadt
- CTI Compaction Systems
- London Waste Technology Ltd
- Mil-tek

Energy & Fuels from Waste

Anaerobic Digestion
- Alkane Biogas
- AnDigestion
- Canford Ren.
- Organic Power
- Biffa
- Gasrec
- Greenfinch
- Silver Hill Foods

Advanced Thermal Treatment
- AeroThermal Group
- WasteGen UK
- AeroThermal Group
- Alternative Use
- Diversified Energy
- Dynamotive En.
- Syngas Int
- Syntroleum Corp

Incineration
- Viridor Waste Management
- WasteGen UK
- American Combustion
- Ross Env. Services Inc.
- Stericycle
- Veolia Environment Services

Energy & Fuel from Waste

Recycled Materials

Recycled Biomass

KEY

- Significant SW Presence
- SW Represented
- SW Not Represented
- Example company with SW HQ
- Example multinational company with significant presence in SW
- Example leading companies in category
- ... Further SW companies in category
- Primary Flow
- Secondary Flow

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