



SUSTAINABILITY CONSULTANCY • ENVIRONMENTAL ENGINEERING • PROJECT DELIVERY

WHO WE ARE

Sustainable Direction is a specialist environmental and sustainability consultancy with a different approach. Our focus is to help organisations identify, prioritise and take action to move in a sustainable direction. We work to deliver innovative and value-added solutions for business and government clients. As a small and agile team, we have the flexibility to tailor our offer to match a wide variety of needs in different sectors, and provide a high-quality bespoke service to all our clients.

WHAT WE DO

Our passionate and experienced team has something to offer no matter where you are on your sustainability journey. We can help you understand and meet your compliance, system and risk requirements, improve your process efficiency (saving resources, waste, water energy and cost), or offer forward-thinking consultancy to help you reimagine the way you do business and take a lead in the drive towards a more sustainable future.



>> PROJECT DELIVERY

From feasibility to financial close, modelling to commissioning, Sustainable Direction will work with you to deliver your project.

We have particular expertise in the delivery of sustainable energy projects, helping clients increase the security of their supply and gain greater control over energy costs. We understand that when it comes to energy, no one size fits all, so our approach is to work closely with you to select the appropriate technologies – and size the energy plant solution – to meet your requirements. We call this approach meso energy, meaning middle-sized.

We start with a focus on energy demand reduction by mapping out your energy use and identifying where you can save through technical and behavioural changes. We can then support you through the following project stages:

- Feasibility studies
- Financial modelling
- Front-End Engineering and Detailed Designs
- Public consultation
- Technical due diligence
- Planning, EIA and environmental permitting
- Construction oversight and support services
- Overall project management



Sustainable Direction has extensive project experience in sustainable energy developments.

We have experience with a wide range of technologies, including gas Combined Heat and Power (CHP), biomass, anaerobic digestion (AD), wind, solar, hydro and marine.

Sustainable Direction is working with Alderney Electricity Limited – energy supplier and distributor for Alderney, one of the Channel Islands – to update its entire electricity generation system. This includes more efficient generation plant and opportunities for future renewable energy and district heating for waste heat. The improvements will provide

- better value for domestic and business customers,
- improved energy security and continuity, and
- a more sustainable and prosperous economy for Alderney.

Sustainable Direction conducted a feasibility study to determine the best system solution to deliver these goals, considering a range of renewable technology options with specific focus on the unique requirements and constraints of the island.

At the core of the project is the replacement of the 7 aging diesel generators that currently supply the island with modern, efficient engines capable of using both fossil- and bio-fuels. The selected engines are compact, reliable and have excellent fuel consumption. They also meet the important criteria of being able to be maintained and serviced on-island without needing to ship them to the mainland.

Planned future phases of the project include the installation of solar photovoltaic panels to manage demand peaks, battery storage to provide an uninterruptable power supply for the island, and recovery of the waste heat from the engines. This could be used for a number of functions, including providing low-cost heat for public and community buildings such as the school, hospital and new swimming pool.

Sustainable Direction has provided support from feasibility study, through initial and detailed designs, and will continue to manage procurement activities and provide oversight for installation.



SELECT CLIENTS

- Avon and Somerset Constabulary
- Brinklow Quarry
- Burts Chips
- Magnet Kitchens / Nobia
- NHS
- Radnor Hills Mineral Water Company
- Tidal Lagoon Power
- UK Government – BIS, DECC, Defra
- Warwick Chemicals
- Westons Cider

MARKET SECTORS

- Energy & Power
- Manufacturing
- Mining & Minerals
- Chemicals & Pharmaceuticals
- Built Environment & Infrastructure
- Finance & Lending
- Waste & Resources
- Transportation
- Oil & Gas
- Government & Defence