



SUSTAINABILITY POLICY

OUR COMMITMENT

We are passionate about operating our business in an environmentally responsible way and making sure sustainability shapes our thinking and decision-making. All Roshal Space Consultants Ltd employees have a role to play in proactively supporting the environment in the way we work. We realise the importance of sustainability and are committed to the promotion of best practice principles.

Roshal Space Consultants Ltd commit to ensuring that we are constantly aware and can identify our environmental risk within all aspects of our business. We are committed to protecting the environment and are constantly seeking knowledge for ways to improve our initiatives and policy.

SCOPE

This Sustainability policy applies to all who are employed by Roshal Space Consultants Ltd or are subcontractors working for Roshal. All clients, suppliers or any other stakeholder can have access to this policy upon request or it is available on our website at roshal.co.uk.

THE FOLLOWING POLICY COVERS THE BELOW AREAS

- Sustainability within design & construction
- Timber procurement policy
- Travel and emissions
- Other initiatives

SUSTAINABILITY WITHIN DESIGN & CONSTRUCTION

The process we adopt at the design and construction stages would be to look at the full scheme and its requirements with the following in mind:

- We ensure that we try to use local companies who produce their products locally, ethically and sustainably in UK, rather than importing materials
- We use low-impact materials which are non-toxic, sustainably produced or recycled materials which require little energy to process.
- Use manufacturing processes to produce products which require less energy.
- We design and construct with quality and durability at the forefront. Longer-lasting and better-functioning products will have to be replaced less frequently, reducing the impacts of producing the replacements and future installation cost.
- Design for reuse and recycling: develop products, processes, and systems for performance in a commercial 'afterlife'.
- Only use suppliers that have made a commitment to reduce the environmental impact across the whole life cycle of their product or service. Many suppliers have their own initiatives or sustainable product range which we support such as Gresham's Club Green recycling, Dulux, Crown and Johnsons paints, Interface BRE certified carpet tiles and their scheme to collect from site to reuse diverting from land fill.
- Sustainable Design Standards: utilise relevant and approved standards to ensure that all projects are as future proofed as possible.

- Renewability: materials should come from nearby (local or bioregional), sustainably managed renewable sources that can be composted (or fed to livestock) when their usefulness has been exhausted.
- Healthy Buildings: sustainable building design aims to create buildings that are not harmful to their occupants or to the larger environment. An important emphasis is on indoor environmental quality, especially indoor air quality. Sustainability and sustainable design involves juggling a number of issues in a careful balancing act. The following have to be considered carefully.
 - Materials - using less material (light weighting), fewer materials (making it easier to recycle) and if possible avoiding toxic substances and choosing renewable or recycled/recyclable.
 - De-materialisation - could include some of the above, light weighting for example, but also designing things to be multifunctional, or finding a different way to deliver the same benefit through a service or product-service combination.
- Design for disassembly - making things easy to take apart so they can be repaired, serviced, upgraded, remanufactured, or recycled, such as through modular design, or smart materials which can self-disassemble when needed.
- Energy - both in production, and in use and disposal. This includes minimising energy use, moving to the use of renewable energy, and extracting energy from waste in some cases.
- Transport - minimising transport. Sourcing a renewable, impeccably green material which you ship four times round the world may not be as sustainable as something a little less clean but locally obtained.

Like any good design, sustainable design involves delivering the best performance or result for the least cost over the long term. Sustainable design involves the strategic use of design to meet current and future human needs without compromising the environment. It includes (re)design of products, processes, services or systems to tackle imbalances or trade-offs between the demands of society, the environment and the economy and, ultimately, restoration of damage already done.

Some additional examples of our sustainability initiatives are as follows:

- Using products to aid energy and thermal qualities and using recycled products in these situations where possible.
- Installing non-plastic materials such as roof membranes thus limiting the damage to the environment caused by the products used in the manufacture.
- Photovoltaic roof coverings: single ply non-plasticised waterproofing membrane that incorporates flexible thin film amorphous silicon photovoltaic cells. This gives the opportunity to generate electricity for the building whilst at the same time making the roof watertight. It is, therefore, classified as a Building Integrated Product and as such is favoured by the Department of Trade and Industry (D.T.I.) regarding the awarding of and level of Grants available through the Energy Savings Trust (E.S.T.) for Solar Installations. In addition to the savings on Energy Costs, there are of course environmental benefits in the resultant reduction of Carbon Emissions.
- Rainwater Harvesting: More than 50% of mains water can be substituted by rainwater.
- Greywater recycling
- Biomass Boilers: these use renewable organic materials, such as wood, agricultural crops or wastes, and municipal wastes, as fuel or energy. At present these installations could only be designed and installed in larger projects. On large scale industrial installations, biomass boilers can be fed from the waste created within the factory process on a scale that will regenerate more power than is required by the factory, in these cases the surplus power can be diverted into the national grid system.

- **Biofuel Boilers:** these boilers use fuel produced from renewable resources, especially plant biomass, vegetable oils, and treated municipal and industrial wastes. Biofuels are considered neutral with respect to the emission of carbon dioxide because the carbon dioxide given off by burning them is balanced by the carbon dioxide absorbed by the plants that are grown to produce them.
- **Ground Source Heat Pumps:** Ground Source Heat Pumps are usually designed to use the thermal resource found in the first 100m of the surface and are accredited under government backed grants.
- **Air Source Heat Pump:** these take energy from the air and raise it to a higher temperature, using a process which is similar to a reverse refrigeration process. For commercial and large spaces, a row or bank of air source heat pumps (Air Handling Units) will be required along with internal heat pump and pressured hot water tank for ongoing water usage.

As a contractor working on traditional form of contracts it is sometimes hard to alter the designed project with regard to materials used, but we do on a regular basis make suggestions and give informed options to the designers. These, if taken up, can drastically increase the sustainability of the project. Some examples that have been accepted on previous projects are as follows, Air source heat pumps, recycled plastic kerbs and rainwater harvesting and grey water harvesting.

TIMBER PROCUREMENT POLICY

Roshal Space Consultants Ltd recognise that:

- Forests are essential for human survival and well-being. They are among the most bio-diverse and valuable terrestrial ecosystems on the planet. They provide us with food, oxygen, shelter, recreation, and spiritual sustenance. The biodiversity of forests the variety of genes, species, and forest ecosystems underpins these goods and services, and is the basis for long-term forest health and stability.
- Promoting ways to use forest biodiversity in a sustainable way, and with clear social and economic benefits, is important.
- Forest certification provides evidence of sustainable forest management, yet at present, less than 10% of the world's forests are certified. Mainstreaming forest certification systems (such as PEFC and FSC) will assist in promoting sustainable forest management.

As a user of timber and wood-based products, Roshal recognises that it has a responsibility to current and future generations and will therefore strive to promote sustainable forest management. By demanding products from sustainably managed forests, we aim to stimulate the improvement of forest management and discourage unsustainable management practices.

Roshal will give preference to suppliers who can demonstrate that their products originate from sustainably managed forests. We consider it important that the origin of our wood-based products can be demonstrated through credible, independent Chain of Custody certification based on international standards and norms.

In this context, we recognise credible third-party certification systems accepted by government procurement policies and guidelines, such as the UK Central Point of Expertise of Timber or the EU Green Public Procurement criteria, as evidence of responsible and sustainable sourcing. This includes the Programme for the Endorsement of Forest Certification (PEFC) and the Forest Stewardship Council (FSC), the two largest forest Certification (PEFC) and the Forest Stewardship Council (FSC), the two largest forest certification systems globally.

TRAVEL AND EMISSIONS

- Reduce travel where possible for meeting and site visits. Encouraging virtual meetings and video calls through Teams, Zoom and Facetime.
- Encourage public transport/walk/cycle where possible
- Car share initiative for employees to reduce individual travel
- Flexible working including working from home is encouraged
- Employ a local workforce reducing travel
- As a company we target clients who are local to our Head office and workforce. The majority of our work is located within a 40 mile radius but when our clients take us further afield we use local specialist subcontractors, local to the site, when we can.
- In terms of emissions, we operate only in the UK and close attention is given to project schedules ensuring employees are sharing vehicles to and from site.
- Tools and machinery used onsite is electric only, reducing any air pollution we may be responsible for

OTHER INITIATIVES

- Nurture a 'be more green' culture within the company and encourage all staff to help Identify any opportunities for sustainability including reducing waste.
- Our aim is to become paper free in the future and use only e-documents
- If printing is necessary, print only in black and white and double sided as default
- Reduce the energy consumption of office equipment by purchasing energy efficient equipment and good housekeeping
- Seek to purchase electricity from a supplier committed to renewable energy. Seek to maximise the proportion from renewable energy sources, whilst also supporting investment in new renewable energy schemes.
- All staff are encouraged to support local, or charities of their choice and are entitled to a day a year volunteering at full pay.
- We operate apprenticeship schemes with a local college for talented school leavers who are keen to further their education and learn a trade. As a company we have been doing this for many years and are proud to see these apprentices go on to become site managers and supervisors. Our relationship with the college also benefits from the CEO and MD offering their time for workshops and talks with students within the college. We understand the importance of educating and mentoring your young adults.

Signed:

A handwritten signature in black ink, appearing to be "CP" or similar initials, written in a cursive style.

Managing Director
Craig Parsons
Roshal Space Consultants Ltd

Date: 14th April 2021