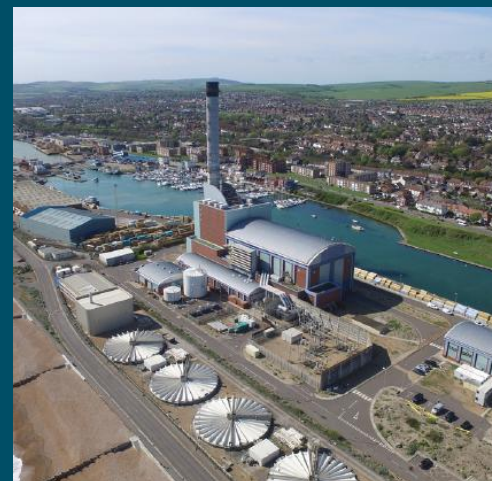


2022

Sustainability Report



Sustainability Report

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Our Sustainability Mission is Urgent

Within this report, we aim to share our progress and plans over the last year with our range of partners, neighbours and stakeholders. Despite the challenging environment of the continued Covid-19 pandemic, we were pleased to see positive progress in how we engaged our communities, reduced our impact, and moved closer to achieving our sustainability goals. Among the highlights of the year was hosting our second Sustainability Week in September 2022, we were delighted to build on the success from 2021 and plans are already underway for 2023. Looking further forwards, we are delighted to share our plans for a Green Energy Hub at the Port placing us at the forefront of the region's decarbonisation ambitions.

We continue to embed our eight award-winning values into all aspects of our activity. It is through our value of **Trusted Custodians** that we challenge ourselves to think sustainably and ensure we hand the Port over to future generations better than we found it.



Our Port

Shoreham Port was established in 1760 and is a busy and thriving Port serving the South East region of the UK. The Port occupies over 110 acres of land and plays an important role in the local and regional economy. Shoreham is a Trust Port, managed by an independent statutory board.

Shoreham Port typically handles some 600+ ships and nearly 2 million tonnes of cargo per year. This is mainly aggregate, steel and timber, we also handle other bulk cargoes such as wood pulp, recycled glass and rockwool. The Port welcomes grain for export and fuels for local distribution into dedicated storage facilities. Marina leisure users and a vibrant fishing community are both well established, with 15,000 leisure movements and 9 million tonnes of fish landed at the Port in 2022.

During the last few years, the Port has developed an award-winning commercial property portfolio, currently boasting more than 175 small business tenants.



Our Place in the Local Area

Shoreham Port sits at the centre of the newest UNESCO World Biosphere Zone of Brighton and Lewes Downs. Our location links Shoreham Beach (a Local Nature Reserve), the River Adur, the South Downs, Shoreham Fort (a Scheduled Ancient Monument) and the Adur Estuary (a site of Special Scientific Interest). Globally, this is the first newly designated area for nearly 40 years, and this unique location makes our work integral to the success of the Living Coast.



Climate change will have an impact both on the resilience of the Maritime sector and changing patterns of trade. This amplifies the need to protect the marine ecosystem, and we work in line with Maritime UK's goals and with Government to minimise the sector's impact upon the environment, championing collaboration and sharing best practice.

EcoPorts - accreditation maintained

We're incredibly proud to have successfully maintained our biennial EcoPort status following our recertification in 2021. EcoPorts is the main initiative monitoring environmental standards within the European Port sector. Our accreditation recognises our commitment to:

- Raising awareness on environmental protection,
- Demonstrating compliance with environmental legislation,
- Sharing knowledge and best practice, and
- Collaborating with other ports to improve environmental management.

We are one of only two ports in the UK to fulfill the necessary environmental management standards to achieve full audited and reviewed status under the Port Environmental Review System (PERS). Having held this accreditation since 2013, this places Shoreham Port amongst the most environmentally proactive ports in the world.



Our Masterplan 2022

Annually Shoreham Port consults colleagues, customers, stakeholders and our board on the creation of a Masterplan. The purpose of the plan is to establish and communicate a set of objectives to guide management decision making during the year. Read our 2022 Masterplan below:

Masterplan 2022



1. We will get everybody home safe and well daily.
2. We will grow our Trust Port by increasing shipping.
3. Our industry leading cargo operation will be centred on the south of the Port.
4. Our estate on the north of the Port will continue to develop as a destination for communities, businesses and tourists.
5. Investment in our infrastructure and Green Energy Hub will continue.
6. Innovation and technology will enhance efficiency, profitability and services.
7. Collaboration will create a community of neighbours, charities, educational partners and local authorities.
8. Our culture will empower and grow colleagues across flexible and modern workspaces.
9. Our diversity will increasingly reflect society.
10. We consider our sustainability mission as urgent and will share our action plans regularly.

Our values



Key Projects

Within this section, we provide an overview of major environmental aspects, impacts, and our performance.

Key Performance Indicators:

Activity	Measure	Impact
Solar Array	2.432 kWp	490 tonnes of CO2 offset per year
Onshore Turbines	400 mWh	160 tonnes of CO2 offset per year
Electric Vehicles/ Fleet	12 electric vehicles	6 tonnes of CO2 offset per year
GTL Fuel	280,000 litres used	37.5 tonnes of CO2 offset per year, up to 90% reduction in engine particulates, up to 25% reduction in nitrogen oxides
Sea Bins	438m litres displaced and filtered	2.8 tonnes of debris removed from our waters per year
Marine Source Heat Pump	240 kW	70 tonnes of CO2 offset per year
Sustainability-focused Community Days	70 days	More than 300 people attended events during our flagship Sustainability Week. Many more people reached through talks, tours, and beach cleans throughout the year
Rewilding project	1.75ha	Over 180 species of plant and animals identified, including rare species, such as the clouded yellow butterfly. New opportunity for our local community to use the space whilst learning about the environment they live in

Our Commitments

Our Sustainability Report focuses on the following six pillars which form the structure of our plans

1. Climate action

Saving energy and producing less carbon.

2. Zero waste

Cleaning our water, land, and air.

3. Harmony with our natural environment

Helping biodiversity and supporting conservation.

4. Supporting colleagues and our community

Keeping people safe, informed, and aware.

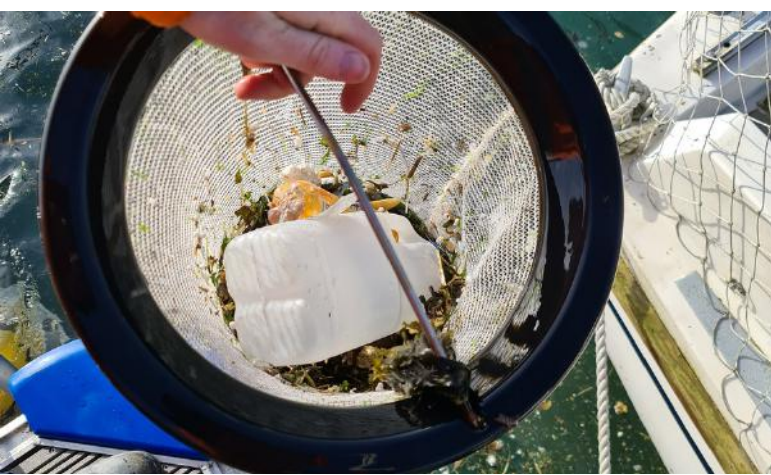
5. Valuable partnerships

Working together and sharing values.

6. Sustainable business

Taking an efficient, resilient, and responsible approach.

Over the following pages we take a closer look at our achievements throughout 2021 and 2022, we also share some of our ambitions looking forwards.



1. Climate Action

Saving energy and producing less carbon

We remain committed to working towards achieving net-zero carbon emissions throughout the Port

As a Port, we are increasingly conscious of our environmental pollutants. Understanding the impact of our work on the environment is something that we are keen to get a clearer picture of, that is why we have formed an early-adopter partnership with AqualisBraemar Loc. Together, we are in the process of creating a port-specific emissions measuring portal to keep track of our emissions footprint, enabling us to breakdown our impact by greenhouse gas, scope and operational area.

This portal will help us to monitor the emissions from our vessels, vehicles and office spaces, as we transition towards cleaner energy alternatives. Progress will be tracked throughout the year and the data will be used to help identify areas for improvement. This data will inform a challenging yet viable carbon reduction strategy, with an ambitious and informed goal of Net Zero by 2035.

“Sustainability and driving carbon-reducing initiatives in our maritime business is increasingly at the heart of moving forward at ABL Group. Partnering with Shoreham Port, who are aligned with our values, has allowed the development of our emissions tracking tool (emiTr). The opportunity to work through the problem, has resulted in something tangible that can help not only Shoreham Port, but the wider port community to work towards a sustainable future.” Paul Martin, Director of Maritime



In 2022, we generated 891 MWh of renewable energy across our whole estate.

Our two nED 100 wind turbines – Gusty and Spinny – produce on average 400 MWh of electricity every year. This matches the energy we need to run our canal pump house, which helps us to keep the canal level for our vessels.

By generating our own energy using the turbines, we are able to **save approximately 160 tonnes of CO2 every year.**



2. Zero Waste

Cleaning our water, land and air

Our two new Seabins are working efficiently to help keep the waters of our canal free of rubbish and debris. Positioned strategically, these seabins filter 25,000 litres of water an hour and **catch nearly 4 kilograms of rubbish every day**. They filter out everything, right down to micro plastics, as small as 2mm across.

Bringing together two of our key commercial tenants, Barrett Steel and Local Fuels, we have been working closely to install and monitor the Seabins as well as raise awareness about the importance of clean water. These two bins have become a popular talking point with our local schools and other groups, helping to raise awareness of the damaging effects of ocean pollution. They form part of our new environmental "Anchor Points" family trail.



Cleaning our canal in partnership with Barrett Steel and Local Fuels, our seabins filter 2.8 tonnes of rubbish from our water every year

We have adapted our fleet of nearly 40 forklifts, cranes and other heavy machinery from diesel to using gas-to-liquid fuel (GTL), **reducing our emissions by up to 37.5 tonnes of CO2 per year, engine particulates by up to 90% and nitrogen oxides by up to 25%**. We have also changed the fuel infrastructure for our two tugboats, moving them from diesel to GTL as well, **saving 4.5 tonnes of CO2 a year**.

We have electrified over 70% of our fleet, with 12 electric vehicles currently in use and another 3 EVs scheduled for delivery in early 2023, taking the total to 83% and equating to a carbon reduction of over 11 tonnes per year.



As current EV technology does not match the operational requirements of the remaining few vehicles, the Port opted to replace the oldest vehicles with newer models until a suitable EV alternative is available. This further reduced carbon emissions by 11%, provided safer equipment for Port colleagues and improved operational flexibility.

3. Harmony With Our Natural Environment

Helping biodiversity and supporting conservation

There is a natural process of shingle movement along the Sussex coast from west to east. The result is the build-up of approximately 15,000m³ of shingle annually at the east end of Shoreham beach, where the west breakwater blocks its progress at the harbour entrance. This causes the erosion of Southwick beach on the east side of the harbour opening.

In addition to various more permanent sea defence measures, Shoreham Port runs an operation to move this build-up of shingle eastwards twice a year, in the spring and autumn. We also run a similar shingle bypass from Brighton Marina to Southwick beach. Studies have shown that because of shingle bypassing, beach volumes along the Port have stabilised, reducing local rates of erosion. The shingle bypassing operation is supported by the Beachy Head to Selsey Bill Shoreline Management Plan and by the two coastal defence strategies that define the needs for sea defence improvements between the River Adur and Brighton Marina.

Protecting our coastline: Every year the Port moves approx. 15,000m³ of shingle

Conserving terrestrial eco-systems, our conservation corridor

In partnership with Sussex Dolphin Project, we have collaborated towards the protection of a strip of scrub land that lines the north side of the Port. Our newly designated Conservation Corridor (1.75 hectares) is maintained using re-wilding techniques, which will enhance biodiversity capacities and allow natural environmental processes to take place. Our focus is on restoration and increasing connectivity with other local green spaces. So far, we have identified more than 180 species of plant and animals including several rare species, such as the clouded yellow butterfly.

We have also partnered with Octopus Energy to build a chalk Butterfly Bank, replicating the South Downs in miniature to create an otherwise rare habitat. In addition to providing a point of interest for our communities and school groups, our Butterfly Bank connects with the others in the area to conserve pollinating insects like bees and butterflies, and it now forms part of our 'Anchor Points' family trail.

Alongside this, we take a conservation approach to how we plant our estate. This includes reseeded the shingle beach coastline with native coastal shingle plants and installing new planters outside our properties. These planters have been specifically designed to increase the population of rare native Sussex coastal wildflower species, ensuring local wildlife can utilise the area for pollination, habitat and food.



4. Supporting Colleagues and Our Community

Keeping people safe, informed and aware

Raising awareness and educating our people – Sustainability Week welcomed more than 300+ sustainability visitors over three days

We held our first annual Sustainability Week in 2021, our aims were two-fold. First, to forge links with other environmentally-focused businesses increasing opportunities for collaboration. Second, to bring to life our responsibilities as a trusted custodian, raising awareness, educating, and bringing our varied communities together to plan for a shared sustainable future.

We grew our ambitions in 2022, welcoming more than 300 people to the Port, across a variety of 16 in person and hybrid events. We partnered with H2Green (a Getech Group company) and the Sussex Dolphin Project, inviting speakers from other Ports, ABL Group, the Universities of Sussex and Brighton, Low Carbon Leaders, the British Ports Association, the Eco Young and Engaged Project, conservation charities, and a local school to share best practice about sustainability within their fields of work.

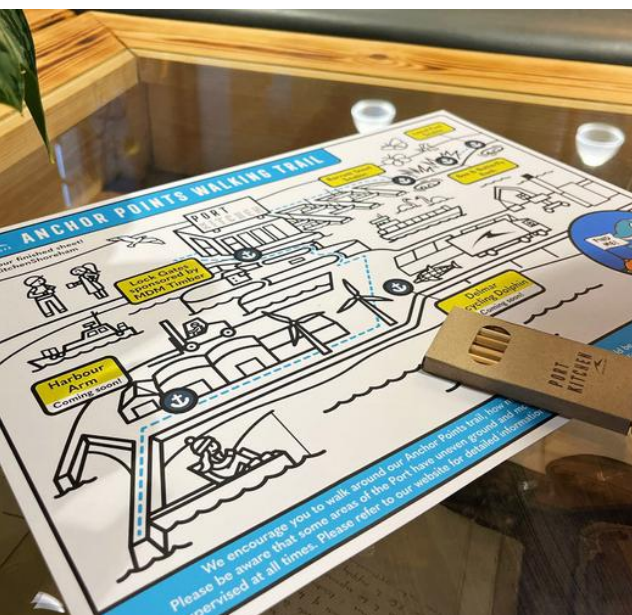
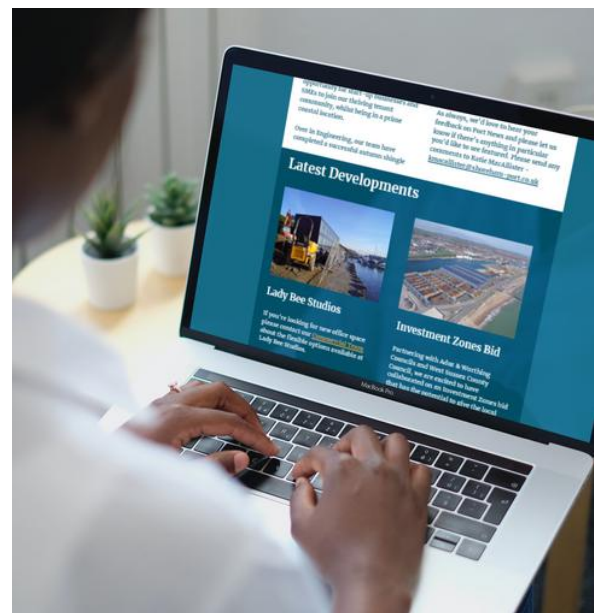
We are already building plans and collaborations for 2023.



Throughout the year, Shoreham Port hosts schools and tour groups for educational trips around our footprint, teaching young people and our communities about the environment and our evolution as a sustainable business. We have a partnership with Shoreham Academy and Sussex University and host sustainability-based work experience placements and internships for these students throughout the year.

We also share our sustainability progress regularly via Sustainability Scoop, our sustainability newsletter, which maintains a great readership from colleagues, tenants and local Port users. [Subscribe](#) to Sustainability Scoop to hear our latest news.

Active travel throughout the Port has been encouraged through the establishment of the English Coast Path and pedestrian facilities throughout our beachfront areas. We have continued to build upon our Anchor Points trail, a family-friendly walkable trail for visitors where they can learn about our sustainability projects and other key highlights across the Port.



The trail takes visitors past our two Seabins, through our Bee and Butterfly Bank, across our Lock Gates and over to our life-sized metal dolphin sculpture in which members of the public can drop their litter for safe disposal, helping us keep our beaches and seas clean.

Each Anchor Point has a QR code which you can scan for more information and additional activities to do as a family.

Our Anchor Points trail map also doubles up as a fun colouring sheet – visitors can pick up a free map and colouring pencils from Port Kitchen.

When it comes to getting to the Port, we work to engage the wider Port community of our colleagues, tenants and visitors in using more sustainable modes of travel. We have installed new bike shelters and 20 smart electric vehicle charging points, with free charging available to all Port colleagues. We have adopted more flexible and remote working practices for many of our colleagues to reduce journeys into the Port, and we have relocated some of our colleagues to ensure that public transport is more easily accessed.

5. Valuable Partnerships

Working together and sharing values

We know that sustainability progress requires collaborative action throughout communities. With that in mind, one of our priorities has been to establish partnerships that create and drive idea sharing and innovation across organisations, sectors, and interest groups.

We have been partnering with the Sussex Dolphin Project, part of the World Cetacean Alliance (WCA) since 2020. The WCA is the world's largest marine conservation organisation and the partnership enabled Sussex Dolphin Project to establish their UK headquarters at Shoreham Port. In the last two years, this strategic partnership produced conservation-based projects that prioritise the protection of our important green spaces.

"Moving to Shoreham Port has been pivotal to the ongoing development of Sussex Dolphin Project. We have been able to make the most of a raft of new opportunities and our larger head office has enabled us to expand our team and move into new areas of research and education. The Conservation Corridor has also provided a vital habitat for many animals while opening access to members of the public to interact with nature." Thea Taylor, Project Lead



We are working closely with the Sussex Dolphin Project, in collaboration with the Sussex Kelp Recovery Project (as set up by the Sussex Wildlife Trust), to understand and plan for the recovery of important kelp bed habitats off the Sussex coastline, benefitting local marine and sea life. These charities also run a calendar of activities aimed at creating a future generation of ocean conservationists in Sussex, such as frequent beach cleans and education projects.

Shoreham Port enables, supports and learns from these partners. We'd like to thank all of our sustainability partners who we work collaboratively with to help us deliver a number of projects, these include:



6. Sustainable Business

Taking an efficient, resilient and responsible approach

Origins Pledge: In our 2022 hospitality development, Port Kitchen, we aim for all fresh ingredients to be sourced from within a 25 mile radius of the Port. Head down to Port Kitchen to check out the 'Sussex Produce' blackboard map on display!

Ambitious sustainability goals are at the heart of our new hospitality development Port Kitchen which opened in summer 2022. As with all our projects, we were committed to doing what we can to minimise our impact on the environment and we balance this with using the best quality produce we can find, and supporting our local community.

Origins Pledge is a commitment that all fresh ingredients will be sourced from within a 25-mile radius of the Port, or where possible from tenants within the Port itself. In our first 6 months we have built strong partnerships with a number of local businesses, each of whom we have especially selected for their shared values and sustainable focus.

Our fully compostable cups and food packaging, are supplied by Vegware. We are using Recorra at Port Kitchen as a pilot for the potential to increase recycling for ourselves and our tenants. The waste they collect breaks down in under 12 weeks and is turned into compost which is used in agriculture and landscaping. So far we have recycled 21,000 kgs of waste, equating to a saving of 12,440 kg of CO₂.

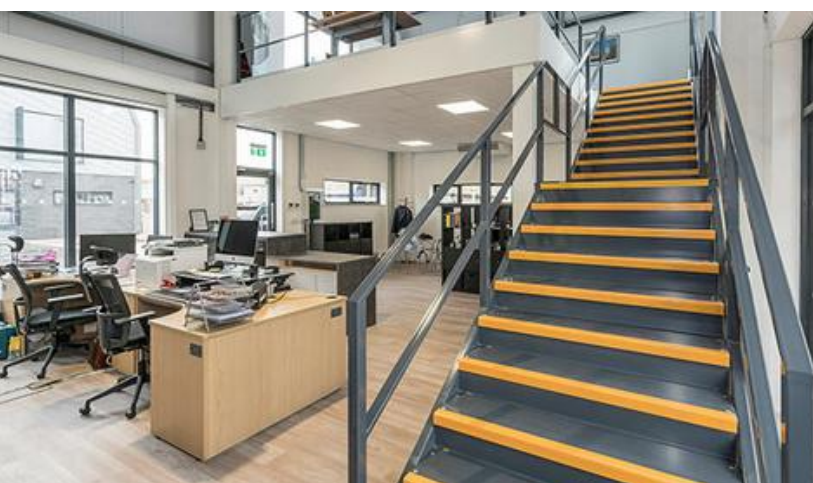


In November 2022 Port Kitchen became the first café in Sussex to achieve the prestigious Green Tourism Gold Award, joining only seven other venues in Sussex holding the highest Green Tourism accreditation. Our venue was lauded as a 'leader in sustainability and an ambassador for the hospitality sector'.

In order to qualify for this rating, we had to evidence our commitment to sustainability at Port Kitchen, including how we manage our waste and energy consumption, what we are doing to reduce our carbon footprint and how we promote an awareness of the environment and the community, through colleague training.

Meanwhile, in our cargo handling areas of the Port we have continued to explore more efficient lighting options. 2021 saw the replacement of floodlighting at Brighton Terminal and the lock gate areas, with drop down masts to reduce light pollution and increase energy and lighting efficiency. This project continued in 2022 with further streetlights being replaced, ensuring a 60% energy saving on the previous lighting.

Our Sustainable Property Development Template includes renewable energy generation, EV charging and air and water source heat pumps



As we continue to add to and build more commercial and operational buildings on our estate, we implement and evolve our Sustainable Property Development Template. Our bespoke template draws together best practice when it comes to thinking about the environmental impact of how we build, use, maintain, and encourage our users to make the most of our buildings.

Our newest developments of the Adur Dock Development (completed 2022) and Lady Bee Studios (completion early 2023), incorporate Delta Green Environmental Design which makes for a highly sustainable building and includes aspects such as:

- Responsibly sourced construction materials
- High performance thermal insulation
- Low water consumption fittings
- Green electricity
- Air source heat pump heating and cooling system
- LED lighting
- Native wildflowers in planters
- Electric vehicle charging points
- Solar panels
- Cycle parking facilities



"As a sustainable business, we are proud to be based at Shoreham Port because of our shared environmental ethos and dedication to having a positive impact on the environment. It is important to us that every aspect of our business is as sustainable as possible, so Shoreham Port is the perfect place to base ourselves." Emily Turner, Digital Marketing

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Green Energy Hub

Decarbonising the region

The Green Energy Hub at Shoreham Port will drive sustainable fuel consumption throughout the Southeast of England.

Green hydrogen will play a significant role in delivering decarbonisation and there is an emerging market for clean fuel, which we will be at the forefront of. Heavy fleets are set to shift towards hydrogen, especially HGVs and refuse vehicles, as well as some public transport. We are in a unique position to produce renewables in an urban setting, creating jobs for local people, as well as offering environmental benefits and sustainability. The Port's ambitions are strongly aligned with the Government's hydrogen strategy and green job creation initiatives.



The first phase of the Hub will focus on the provision of green hydrogen and renewable electricity to our own fleet of forklift trucks and heavy goods vehicles. 800 HGVs enter or leave the Port each day. Our long-term ambition is to scale up our own HGV fleet, transitioning these vehicles to green hydrogen, this will reduce emissions and noise. Decarbonisation of the HGVs and forklift trucks entering and using the Port has the potential to save around **45,000 tonnes of CO₂ each year.**

These ambitious plans bring together a group of strategic partners, consisting of:

- **H2 Green** (a Getech Group company), specialises in establishing green hydrogen networks and fuel production,
- **Ricardo**, who are imparting their world-leading engineering experience and pioneering leadership in hydrogen conversions, and
- **Local Fuels**, who are bringing their fuelling infrastructure and distribution expertise to the project.

Combining renewable onshore wind and solar power generation to produce the hydrogen on site. We have developed our new Green Energy Strategy with the intentions for our new Green Energy hub at Shoreham Port to drive sustainable fuel consumption throughout the Southeast of England.

Find out more about these plans and the future stages of the project via our website.



indicative illustration



Learn more about us:

www.shoreham-port.co.uk



Details of our annual Public Meeting and Sustainability
Week 2023 will be published on our website.