



scottish
renewables

SUPPLY CHAIN & LOGISTICS CONFERENCE

29 MAY 2024 | DUNDEE

WITH THANKS TO OUR SPONSORS & SUPPORTERS



@ScotRenew
#SRLOGISTICS24

Painting a project picture

Chaired by Iain Sinclair, Executive Director,
Global Energy Group



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David Sweeney
Development Manager –
Neart na Gaoithe
EDF Renewables UK



@ScotRenew

#SRLOGISTICS24



2008	Site selection
2013-2014	Onshore and Offshore Consent
2015	CfD Award
2015-2017	Judicial Review
2018	EDF Renewables acquires NnG
2019	ESB Joins Project (50:50), Financial Close and onshore construction commences
2020	COVID
2021	Export cable installation, offshore piling & installation of substation foundation
2023	O&M Base opened in Eyemouth
2024	35 turbines built...moving towards completion

NnG OFFSHORE
WIND



Energy for generations

Kareen French

Operations & Maintenance Package Manager Vattenfall



Vattenfall in the UK - at a glance

Technology type

-  Battery
-  Offshore wind
-  Onshore wind
-  Floating offshore
-  Heat networks
-  Renewable energy park
-  Electrical connections

Project status

-  Operational
-  Construction
-  Development
-  Vattenfall office location



Morgan Wilson
Technical Authority
Transport & Installation
Flotation Energy



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FLOTATION ENERGY



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SUPPLY CHAIN & LOGISTICS
CONFERENCE 2024

Sarah McIntosh

Managing Director

Muirhall Energy



@ScotRenew

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SARAH MCINTOSH

Managing Director, Muirhall Energy
sarah.mcintosh@muirhallenergy.co.uk



Glen Ullinish Coastal Delivery

- Reducing route from 40 miles to 2 miles
- Approx £30m construction costs
- Construction 2026/27



Iain Sinclair

Executive Director, Global Energy Group

David Sweeney

Development Manager – Neart na Gaoithe, EDF Renewables UK

Kareen French

Operations & Maintenance Package Manager, Vattenfall

Morgan Wilson

Technical Authority Transport & Installation, Flotation Energy

Sarah McIntosh

Managing Director, Muirhall Energy



Ports by numbers

Chaired by Emma Harrick,
Head of Energy Transition and Supply Chain,
Scottish Renewables



Rob Mason

Senior Business Development & Strategy Manager

Forth Ports





Bob Sanguinetti

Chief Executive Officer

Port of Aberdeen





Port of Aberdeen: A catalyst for growth

Bob Sanguinetti, CEO

29 May 2024

www.portofaberdeen.co.uk



Port of Aberdeen



- UK's oldest business with the newest harbour
- Scotland's largest berthage port
- National strategic asset
- Economic powerhouse
- Multi-award winning

Floating offshore wind

- 17GW of floating offshore wind within 100 nautical miles of Aberdeen
- Aberdeen can become a national hub for assembly, integration and maintenance
- £25M project to deepen South Harbour for floating offshore wind (-14.5m cd)
- SIM process ongoing
- Build on an existing strategic asset to deliver UK's offshore wind ambitions



UK's first net zero port



- Industry-leading 2040 strategy
- 97% of emissions from client vessels
- Work underway to install shore power infrastructure at nine berths
- Requirements for provision of future fuels is unclear
- Public and private sector partnership
- Aligned incentives and regulation

Future

- Building successfully for the future
- Catalyst for economic growth and energy transition
- Further public and private sector partnership is essential to unlock maximum value for Scotland



Fraser Houston

Head of Sales

Peel Ports



@ScotRenew

#SRLOGISTICS24



What we do

As a major UK port operator, we handle 70 million tonnes of cargo per year, welcoming 15% of the UK's total port traffic through our waters.

We work to boost traditional supply chain practices by leveraging our Ports as strategic hubs for the fast and efficient movement of goods – supporting customers in reducing costs, improving lead times and lowering carbon emissions.











Clydeport

Scotland's gateway to the world

Clydeport is a bustling network of ports with the potential to connect your business to the world. Our first-class facilities allow us to improve efficiencies in your supply chain via some of the most strategic locations on the West Coast of Scotland.

Commodities handled at Clydeport:

- 
Containers
- 
RoRo & automotive
- 
Metals
- 
Liquid bulks
- 
Forest products
- 
Dry bulks
- 
Project Cargo
- 
Offshore



King George V Dock

Bulk cargo terminal

Scotland's busiest port for onshore renewables

1200 wind turbines handled since 2005.

2024 infrastructure upgrades to cater for larger components.

Land reclamation and new egress road to accommodate 85 meter blades

Commodities handled at Clydeport:



Metals



Liquid
bulks



Forest
products



Dry
bulks



Project
Cargo



Wind
Turbines



Hunterston PARC

320 acre brownfield site former bulk products terminal

National Development Status (NPF4)

XLCC sub-sea cable manufacturing site

Targeting renewable energy developers

Transformation of construction yard area to service offshore renewables

Deepwater anchorages for wet storage

33 acre solar array

We're making a difference

45% reduction in
recordable injuries in the
last five years



We are committed
to becoming
Net Zero by 2040

NET ZERO
2040

3.3m litres
of diesel transitioned
to greener fuels



32% reduction
of scope 1 and 2
emissions in the
last three years



97% electric
vehicle fleet



£120k



50% of all energy used
will be renewable by 2030



invested in protection,
conservation and the
enhancement of Marine
biodiversity.

Contact Us

For more information, please contact us:



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www.peelports.com



Lynn Sayer

Business & Commercial Manager

Montrose Port Authority



@ScotRenew

#SRLOGISTICS24



Montrose
PORT AUTHORITY

LYNN SAYER

Business &
Commercial Manager



WHO WE ARE



SHORE POWER

First port in Scotland to provide shore power to the energy sector.



50/50

Joint venture
between
**Montrose Port
Authority** and
**Plug Shore
Power Ltd**

Live from

April 2024

£ 1-million-pound
investment

100%
Renewable energy
(REGO certified)



Supply chain led innovation lies at the core of a successful homegrown energy transition, and this is a great example of companies collaborating to accelerate the drive towards reducing carbon emissions to support the delivery of net zero ambitions.

MARK WILSON
HSE & Operations Director at
Offshore Energies UK (OEUK)

An average anchor handling vessel connected to shore power for 24 hours, saves the *equivalent amount of Co2* as a **car travelling once around the world**



ENERGY TRANSITION

SEAGREEN OFFSHORE WIND FARM



Recycled building & Mast



100% local contractors used



Saving a combined total of **127 tonnes of Co2**



INCH CAPE OFFSHORE WIND FARM



Awarded the O&M base in **February 2022**



72 turbines



Set to power **1.7 million homes**



MONTROSE

15 km from the Angus coastline

With **2.5GW of capacity** to be operated from Montrose Port, we aim to be one of the **largest Operation & Maintenance bases** for offshore wind energy globally.



LOOKING TO THE FUTURE



Major O&M hub on the East Coast



Largest chain and anchor port globally



Investment towards alternative fuel solutions



Construction of additional berths



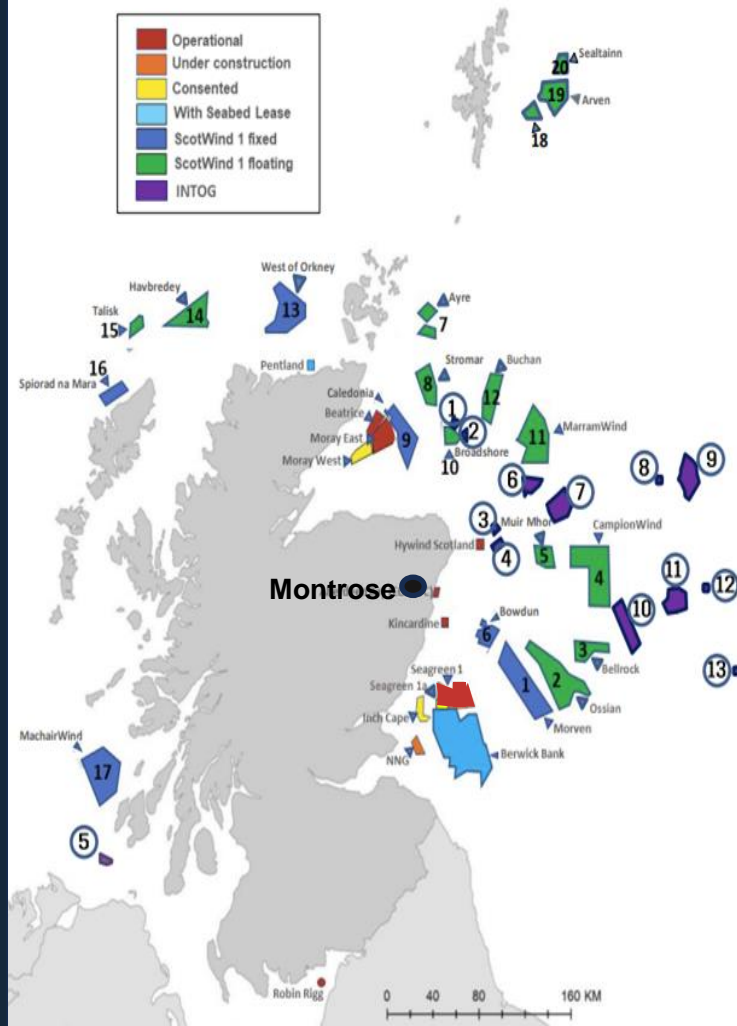
Support skills and training



Continue to support our community



(Artist impression of renovated B-Listed building: Customs House)





Montrose
PORT AUTHORITY



LYNN SAYER

Business & Commercial Manager

Lynn@montroseport.co.uk

www.montroseport.co.uk

Alasdair Ferguson

Director

Kishorn Port



@ScotRenew

#SRLOGISTICS24



Kishorn Port & Dry Dock

Supply Chain & Logistics Conference
29th May 2024

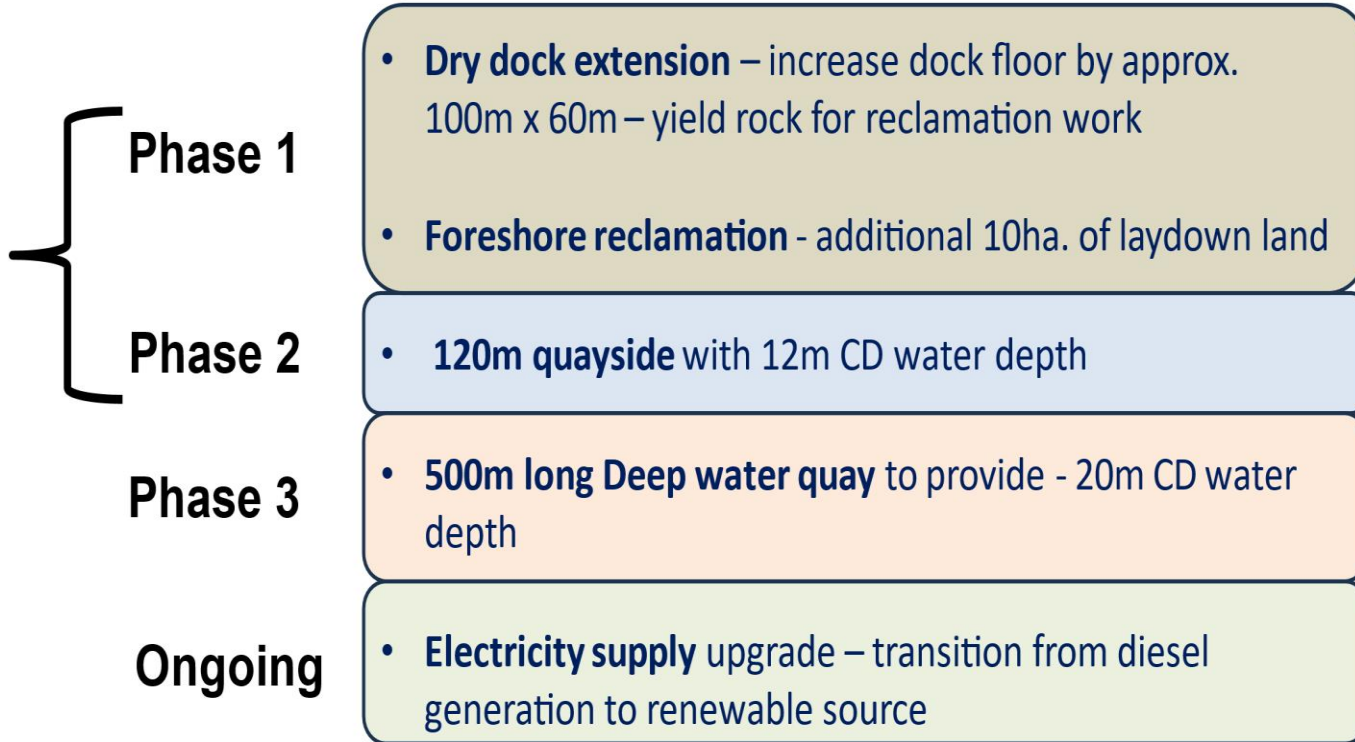


Current Areas





Port Development Plans





THANK YOU

Contact

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Kevin Ferguson Ops & Project Manager

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colin@kishornportltd.com
kevin@fergusontransport.co.uk

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facebook



Lewis Gillies

Ardersier Chief Executive Officer Haventus



@ScotRenew

#SRLOGISTICS24

Haventus - Ardersier Port May 2024



Sinclair Browne

Chief Executive

Inverness Harbour Trust





- Operates as a Trust Port – Act of Parliament 1847
- Around 200 ship visits annually
- Renewable energy hub
- 350+ complete wind turbines over last 10 years
- Founding member of the Inverness and Cromarty Firth Green Freeport

**Port of
INVERNESS**



Transforming the Highland Economy and
Delivering National Energy Security



HARBOUR GAIT PHASE 1:

- 9-hectare site – consenting process underway
- Extensive laydown space
- New 150m quay
- Allow transhipment onto barges
- Blue economy hub

Port of
INVERNESS



NORTH CITADEL QUAY

- **Offshore workboats: ship assembly/repair**
- **100m quay and 1 - hectare site**
- **Dedicated boat hoist**
- **EV bus terminal**
- **Blue economy hub/workshops**

**Port of
INVERNESS**





OTHER IMPROVEMENTS

- New entrance – 80m long blades
- Shore power
- Future fuel development – LNG/HVO
- Further infill land available – 15/20 hectares

Port of
INVERNESS





Sinclair Browne

Chief Executive

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A drop in the ocean: pulling the right policy leavers

Chaired by Douglas Pickles,
Director, Supply Chain &
Procurement Lead Scotland, PwC



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Gry Hallås

Maritime Legal Council

Fugro



@ScotRenew

#SRLOGISTICS24



Impact of visas for Offshore Workers

Gry Hallås – Maritime Legal Counsel

29 May 2024

Who are the Offshore Workers?

- Project crew [used to be excepted]
- Marine crew [now included in definition of Offshore Workers]

All Offshore Workers need a visa to work in UK territorial waters for any period of time.

What is the difficulty?

Limited number
of UK Offshore
Workers

Small pool of
vessels

Global crewing
crisis

Visa is not
fit for purpose

Industry impacts



UK impacts

- Cost
- Operational
- Safety
- Commercial

- Scotland and wider UK now seen as a less attractive market
- Net-zero targets at risk
- Threat to energy security
- Wider impact on UK supply chain
- End-consumers pays the bill


The logo for FUGRO features the word "FUGRO" in a bold, white, sans-serif font. The letter "F" is stylized, with a horizontal bar extending to the left and a vertical stem that tapers to a point at the bottom, resembling a surveying instrument. The letters "U", "G", "R", and "O" are in a standard, blocky font.

FUGRO

Unlocking **Insights**
from **Geo-data**

Greg Dinnie
Chief Inspector –
Operational Support Division
Police Scotland



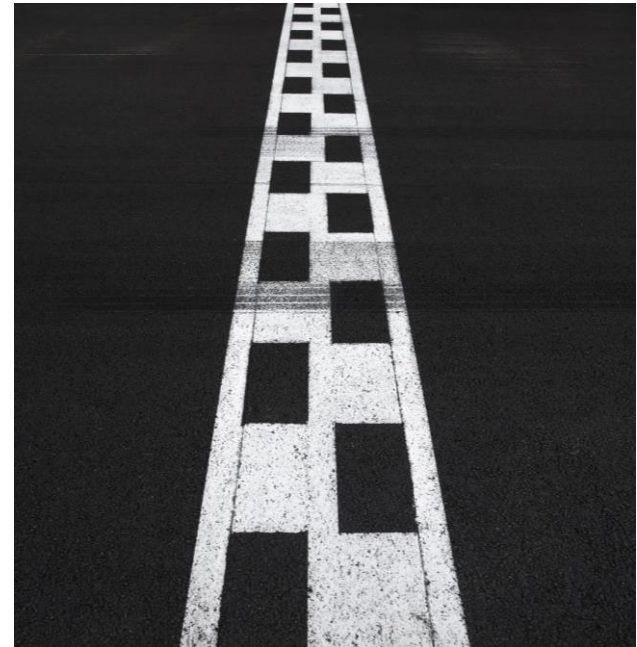
A close-up, low-angle shot of a police car's emergency light bar. The lights are illuminated, showing a mix of red and yellow/orange colors. The background is dark and blurred, suggesting a nighttime or low-light environment. The text is overlaid on the left side of the image.

Police Scotland Abnormal Loads

A/Chief Inspector Greg Dinnie
Police Scotland

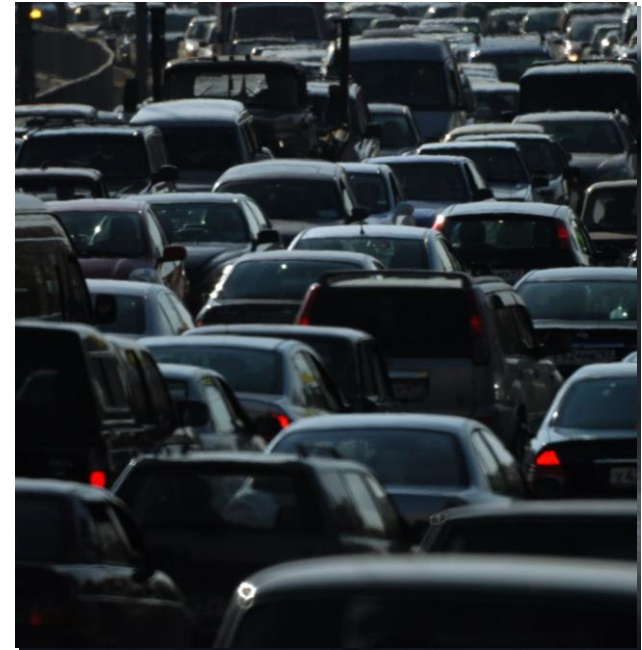
Procedures and Legislative Requirements

- Under the Road Traffic Act 1988, any abnormal load movement on public roads that exceeds a set maximum dimension in Scotland, must be escorted by a specially trained police officer.
- The Legislative Background around stop and direct powers are primarily contained in the Road Traffic Act 1988 (the 1988 Act). Sections 35, 37 and 163 of the 1988 Act provide that the police can stop and direct vehicles, cyclists and pedestrians and require them to proceed in a particular direction and it is an offence not to comply with these directions.
- Following the 2004 amendment to the Road Traffic Act, Highways Officers have powers to stop and direct vehicles on public roads, but this only applies in England and Wales.
- In Scotland the 1988 Act remains un-amended and hence uniformed police officers are the only individuals who can legally stop and direct traffic in Scotland.



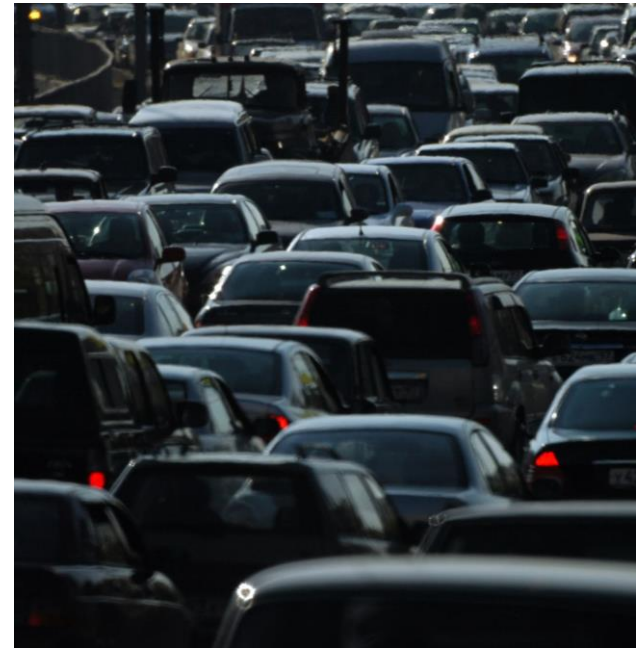
Facts about Abnormal Loads in Scotland

- Every request for an abnormal load escort is assessed on a case-by-case basis in Scotland. Whilst Police Scotland do have a standard approach to this through a dedicated Abnormal Loads Team, it is not possible to estimate a set resource requirement and site-specific variations are a key consideration, such as turbine type and height and geographic considerations.
- Escorting Abnormal Loads is not a core function of Police Scotland and is reliant on specifically trained officers undertaking these tasks. What each movement will entail may vary area to area and is very much dependent on the nature of the roads being used. Safety is the predominant concern.
- Abnormal loads must be escorted by trained, uniformed police officers in Scotland. However, what that escort consists of is based on site-specific variables which can include a range of factors such as; size and scale of the movement, minimising impacts to local communities, quality of roads system, commercial factors, traffic considerations, and maintaining health and safety, etc



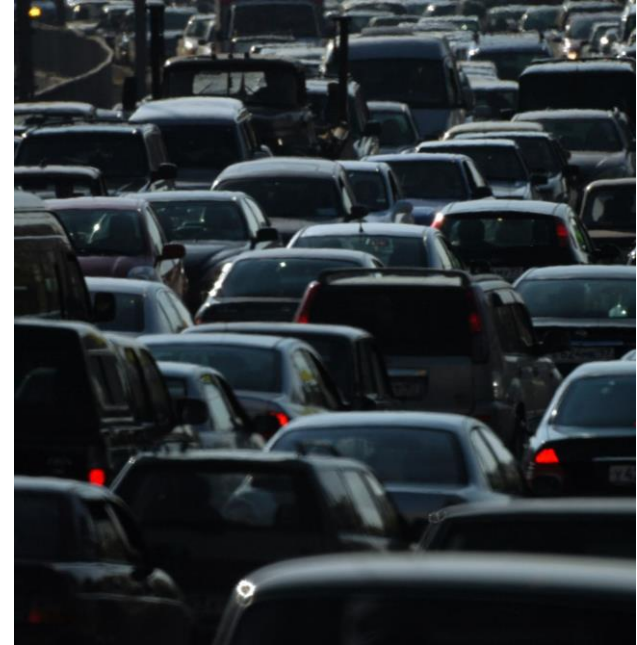
Facts about Abnormal Loads in Scotland

- Following the 2004 amendment to the Road Traffic Act, Highway Officers who are not police officers, have powers to stop and direct vehicles on public roads, but this only applies in England and Wales. In Scotland the 1988 Act remains un-amended.
- In the lead up to large projects commencing, energy companies are expected to engage with communities to keep residents updated on their proposals and discuss problems and concerns.
- Police Scotland liaise with partners such the roads authorities, road network companies, local councils among others as well as the energy companies to make plans for such contingencies as disruption to communities and the travelling public in general.
- Once the project has been approved the police meet with the contracted haulier to discuss the route. At this time, the haulier will have checked the roads and produced an analysis report. This is discussed, reviewed and ultimately culminates in trial runs where problems and pinch points are identified. Hauliers may be escorted through the day and night, depending on the road network in that area, and are only allowed to move out-with peak times.
- All these plans are designed to eliminate as much congestion as possible and continue journey time reliability to other road users while giving consideration to the benefits to the local and wider economy.



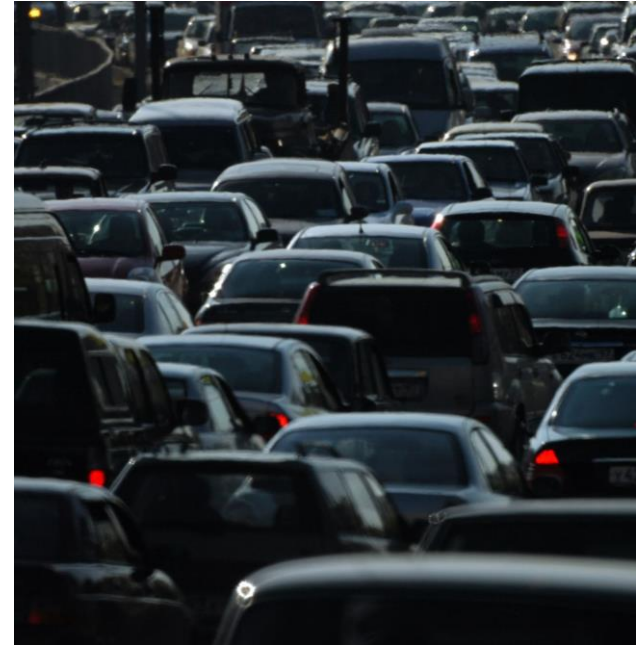
Police Scotland – Abnormal Load Movements – 2023/24

- In 2023/24, The Police Scotland Abnormal Load Team administered a large number of Abnormal Load Escorts for various Haulage Companies to many destinations across Scotland. Broken down into statistics the numbers were as follows
- Non-chargeable under one hour (usually 1 or 2 officers) = 1878
- PSAL Movements – which refer to routine movements of plant, machinery and equipment and are chargeable = 1045
- PSWF Movements – which refer to Windfarm specific components such as hubs and blades = 267
- As well as the above, Police Scotland also had 3 x officers seconded to the Shetland Islands for a total of 122 days to escort components to a new Windfarm based there. To minimise the amount of time officers were there, they focussed solely on these windfarm movements and moved several components each day in a shuttle run style approach.
- In the last year 60,000 notifications of moving loads were received by Police Scotland. On review, the vast majority did not require escorts.
- A Total of 3312 escorts were provided which was an increase of the overall total from the previous year of 3049 escorts.



Police Scotland – Abnormal Load – Supply Chain Response

- Police Scotland is committed to meeting the expectations of the Scottish Government, Energy Sector and Commercial ambitions in relation to the onshore and offshore wind energy generating potential. This in line with the 2030 Net Zero targets.
- Police Officers will continue to support this priority by acquiring the relevant experience and training and making themselves available to perform abnormal load escorting duties whenever possible.
- Police Scotland understands that predicted increases in the number of onshore and offshore windfarms will present challenges in relation to moving additional indivisible loads across various areas within Scotland. It is clear that alternative solutions will need to be considered to enable a consistent and efficient response to demands.
- Road Safety and ensuring the minimum disruption to the roads network remains the priority for Police Scotland and all abnormal movements require to be out-with peak periods to prevent congestion and preserve routine journey times for regular commuters. Increases to the volumes of abnormal load movements require to take this into consideration at all times.



Questions/further information

- If you require any further information or assistance, please contact:

A/Chief Inspector Greg Dinnie
Operational Support Division
Police Scotland
greg.dinnie@Scotland.police.uk

Will Rowley

Chief Executive Officer

Offshore Solutions Group



OFFSHORE SOLUTIONS GROUP

Delivering unique, highly developed critical infrastructure solutions supporting the industrial & market development of Floating Offshore Wind (FLOW)

Developed by an experienced team bringing extensive & unique expertise, knowledge and solutions to enable FLOW delivery



UK's only multi-site FLOW wet storage Developer



Consortium lead for UK's largest FLOW fabrication facility



Developing England's only Freeport solution serving the Celtic Sea FLOW market

Intro slide – FLOW Wet Storage (TS-FLOW™ and FLOW-Park™)

- Offshore logistics, **at scale**, are challenging, expensive and come with inherent risks of disruption & delay (weather, technical, external etc.)
- Floating wind (FLOW), **at scale**, brings new dimensions and requires enabling solutions based on **industry proven practices**.
- **Wet Storage** (aka ‘offshore parking’) is now a recognized solution to enable logistic & port efficiency and reduce offshore movement risks
- **OSG is the UK’s only multi-site wet storage Developer with #9 FLOW-Parks™ under development**
 - **Delivering >£1bn of UK investment potential with local content ratios >94% and high GVA delivery**
 - **Supporting EVERY Scottish foundation assembly and WTG integration port/yard**
 - Utilizing the highly developed and **unique TS-FLOW™** wet storage development process
 - **>3yrs** of technical & commercial development
 - ONLY solution with **cross industry support** & input
 - * #11 FLOW Developers, 80% of UK FLOW Ports, >#20 regulators & agencies, #2 Universities, plus insurers, class societies, EPCI, T&I, etc.
 - **Sustainable Industry Rewards (SIR)** qualifying investments
 - ONLY wet storage solution with **insurer acceptance & qualification**
 - 211 UK locations assessed to ensure **optimum locations**
 - Multi-site **coordinated permitting** with local, devolved and national agencies to ensure **legal and operational consistency**
 - **Unique, integrated logistics** software solutions to enable ports, T&I and vessel operators maximum flexibility serving multiple locations

FLOW-Park™ - delivering an operational solution

Fully permitted operational locations

Multi-site access for operational & logistical flexibility

Pre-installed anchors & moorings

Fully prepared procedures and operational planning

Fully integrated management system – reservation, asset parking, marine movements, etc...

Connected with local ports & vessel operators

Developer, T&I and EPCI oversight & integration

Insurer & class society approved

365/24/7 security & surveillance

Local O&M and emergency response

Douglas Pickles

Director, Supply Chain & Procurement Lead Scotland, PwC

Gry Hallås

Maritime Legal Council, Fugro

Greg Dinnie

Chief Inspector – Operational Support Division, Police Scotland

Will Rowley

Chief Executive Officer, Offshore Solutions Group



Facilitators of trade

Chaired by Gavin Smart, UK & Ireland
Head of New Business & Supply Chain Strategy,
ScottishPower Renewables



@ScotRenew
#SRLOGISTICS24

Paul Young

Account Manager – Offshore Energy

Clarksons Port Services



@ScotRenew

#SRLOGISTICS24



CLARKSONS

Clarksons Port Services

Integrated logistics management

29th May 2024

Our purpose

Integrated Logistics Management.

We provide full turnkey solutions, tailored to your specific project requirements.

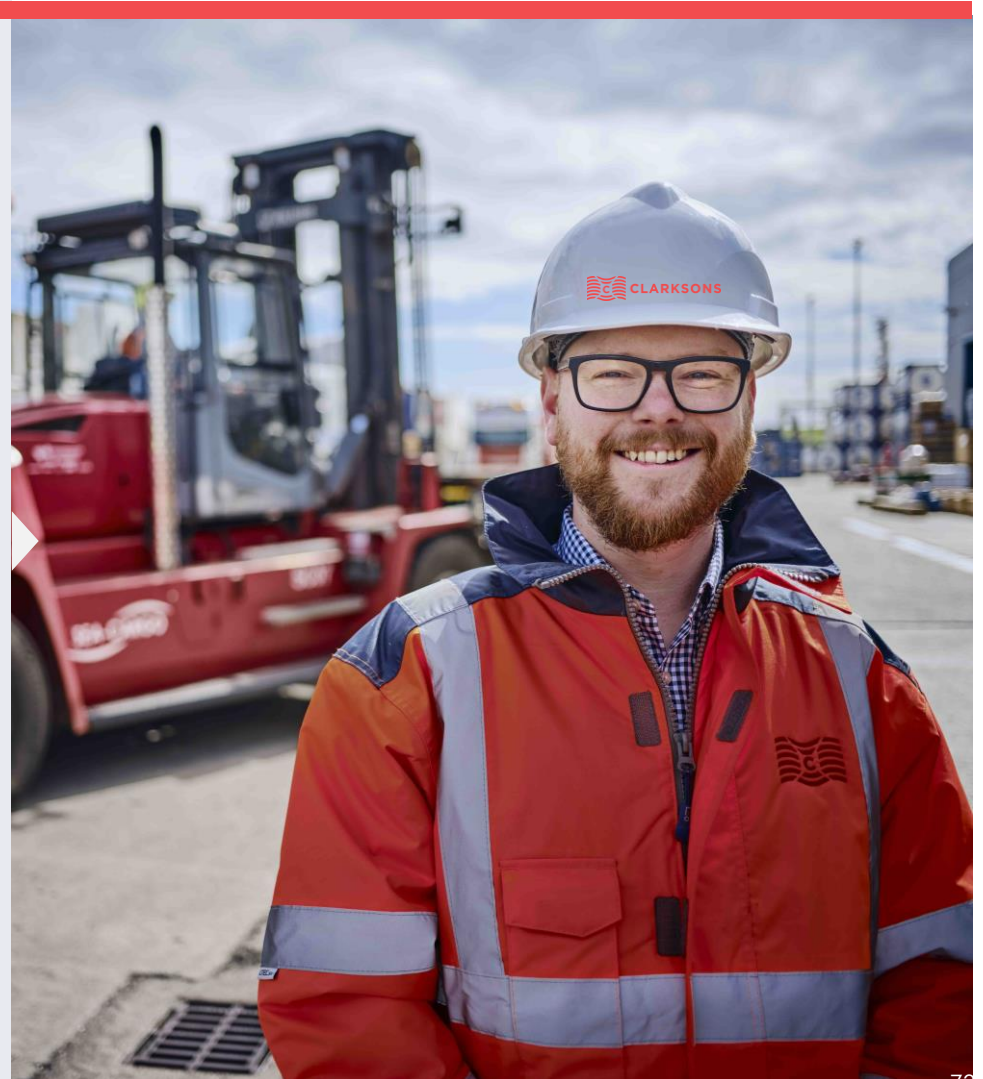
Our comprehensive range of services allows us to offer a turnkey solution for clients across the Offshore Energy industry. Working closely with clients, vessel owners, port operators and regulatory bodies, we provide best-in-class port agency services.

23
offices

24/7
service

200+
employees

Global
Support



Our services



Our locations



Case Study: Moray West Offshore Wind Farm

Client: Ocean Winds



Scope 1

Vessels: Hua Sheng Long | Zen Hua 33 | White Marlin

Scope: Monopile load outs from China

Locations: Penglai, China | Fene, Spain | Invergordon, Scotland

CPS Services: Sub-Agency Management
Chinese Customs Support

Requirement: Using our network of sub agents, CPS arranged port calls for the Heavy Lift Vessels into Dajin's Yard in Penglai, China. The port call arrangements were managed by CPS to mobilise the monopiles for transportation to Scotland.

It was key to manage the vessel schedule providing client, via email, with daily updates and pictures of progress, advising of any delays or concerns. This also included the movement of vessels to anchorage when required, due to weather conditions.

The CPS team completed all customs formalities for returning monopile cradles to ensure our client did not pay any unnecessary costs for the re-importation to China.

Scope 2

Vessel: Hua Sheng Long | Zen Hua 33 | White Marlin

Scope: Monopile delivery to Invergordon & Ad hoc Services

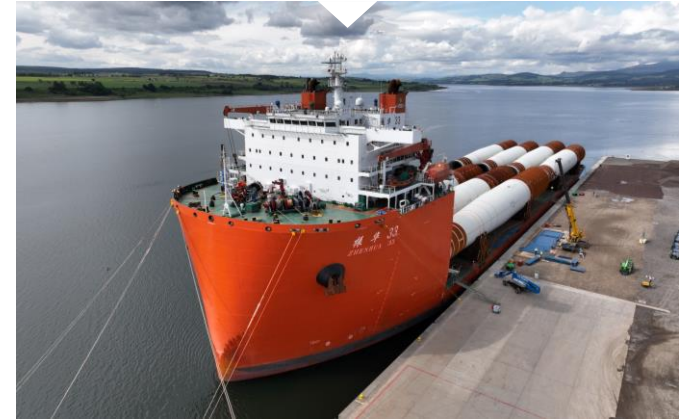
Location: Invergordon, Scotland

CPS Services: Port Agency
Procurement
Freight Forwarding

Requirement: Supporting the vessels port calling into Invergordon, ensuring they met the schedule as set out by Client and PSG, who were receiving the Monopiles. CPS was the conduit between all parties keeping them well-informed of the activities required for the delivery of vessels.

CPS arranged and managed all HAZID's via a local partner, hosting in Edinburgh, Invergordon and Fene.

Our dedicated procurement officer organised all procurement requirements for the foundation scope, ensuring the best rates and lead times were sought for Ocean Winds. On occasions, the purchases were required to be delivered to yards overseas, so we managed the shipping via the CPS freight forwarding team, ensuring timely delivery.



More about us...

Offshore Wind Growth Partnership

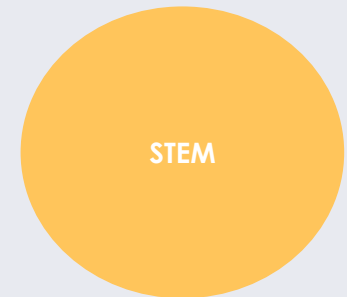
Clarksons Port Services is a beneficiary of the Offshore Wind Growth Partnership Sharing in Growth Offshore Wind Programme.

Our participation and engagement in the programme aims to improve our efficiency and productivity within the UK offshore supply chain.

On the 16th November 2022, CPS won the **'2022 All STAR Winner Award'** in recognition of its engagement with customers/suppliers to provide an enhanced offering, increasing the opportunities to sustainably grow its organisation within the Offshore Wind sector.



Enabling global trade. Leading positive change



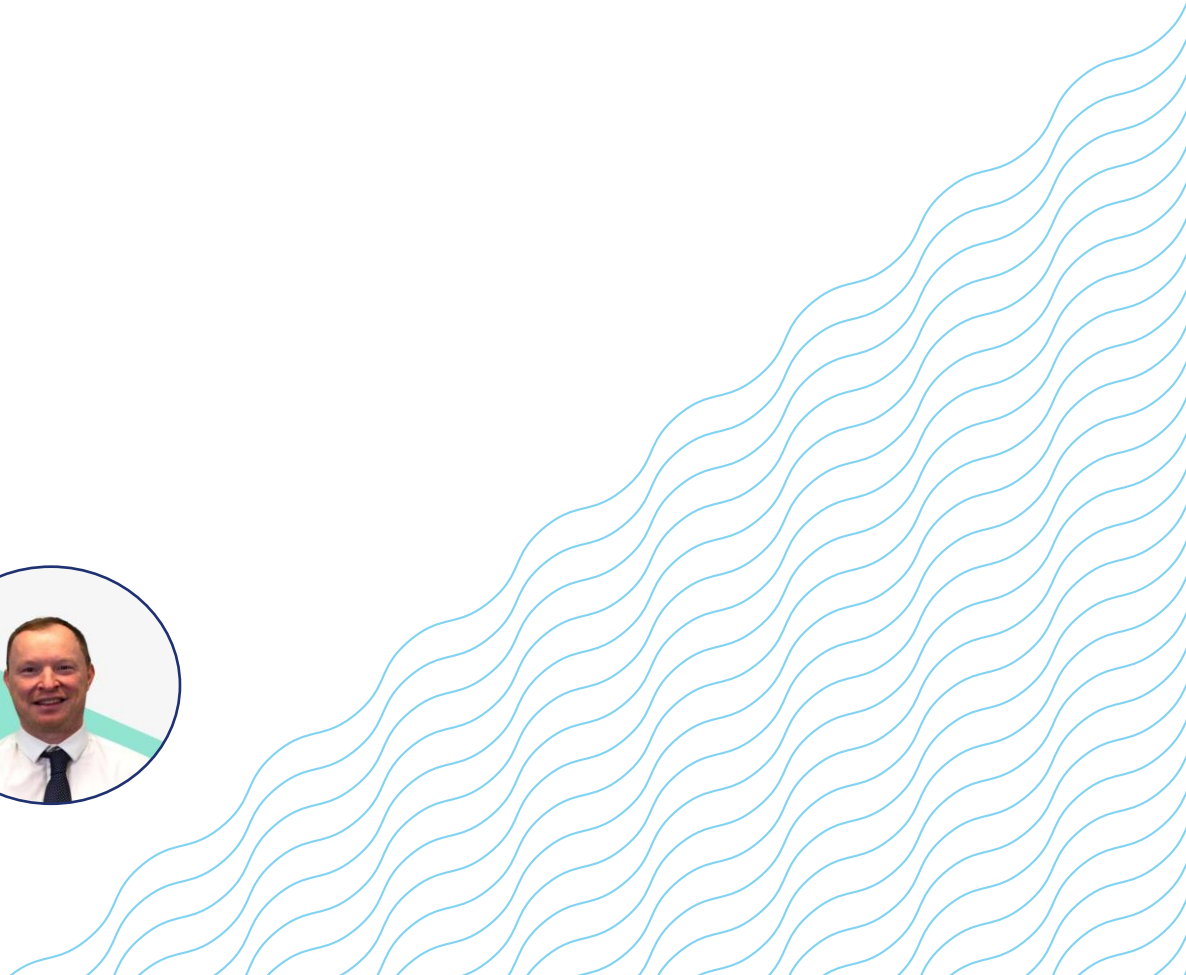


CLARKSONS

Thank you for listening!

Contact Details:

Paul Young | Account Manager
Paul.young@clarksons.com



Duncan Brown

Managing Director

I&H Brown



@ScotRenew
#SRLOGISTICS24



I&H BROWN

COMPANY OVERVIEW



Perth(HQ)
Warrington

Completed 45 Renewables Projects to date

Civil Engineering Contractor
220 Employees

Our vision statement:
Through our skilled workforce, we want to safely
and sustainably deliver critical pieces of
infrastructure, which make a positive change in the
world.

We build a wide range of renewable energy projects including wind farms, substations, hydro schemes, cable routes and BESS projects.

I & H Brown have 60 years of civil engineering experience. 18 years of working in the renewable energy sector. We have built 29 wind farms to date. We have worked the length and breadth of the UK. Our model is to self-deliver our works.

Awarded the 2023 Global
Green Energy Transition
Award by Iberdrola

29 wind farms built.
This equates to 380MW
worth of capacity. We are
currently in contract to
build a further 134MW of
generation projects.

Established Graduate and
Apprentice Scheme.
We hold ISO 50,001
Energy Management.
Committed to reducing
our carbon footprint.



I&H BROWN

THANK YOU

OFFICE NUMBER: 01738 637171

Daniel Robb

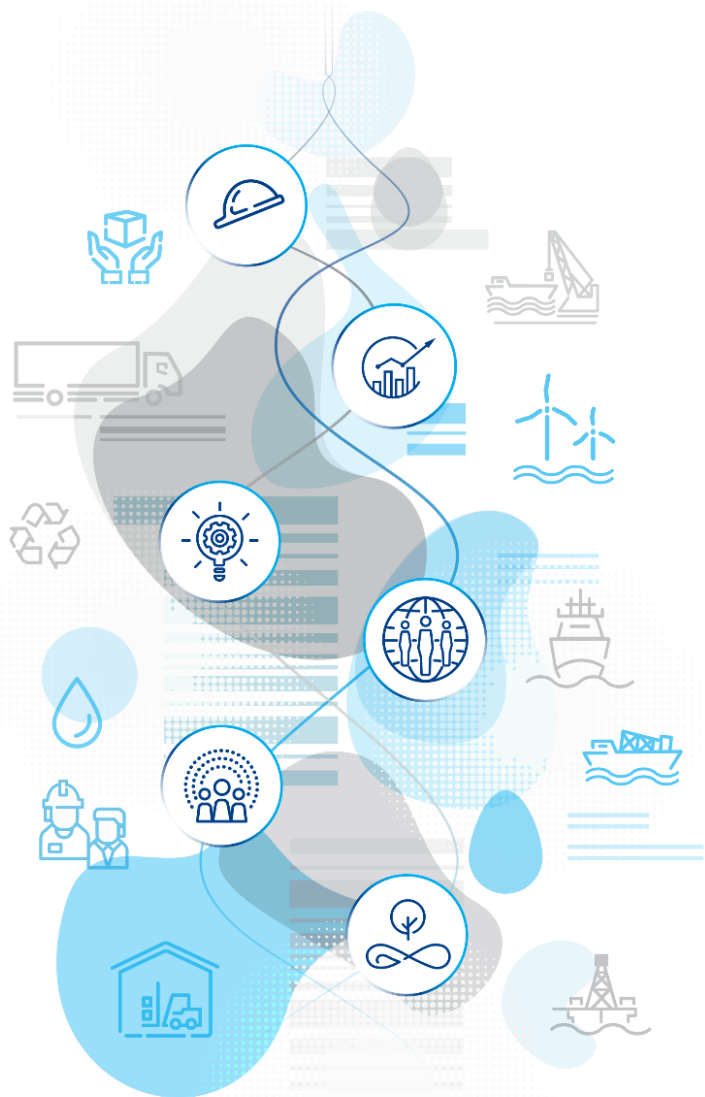
General Manager

ASCO



@ScotRenew

#SRLOGISTICS24



ASCO GROUP

KEEPING ENERGY MOVING



OVERVIEW

THE LEADING INTEGRATED LOGISTICS AND MATERIALS MANAGEMENT COMPANY



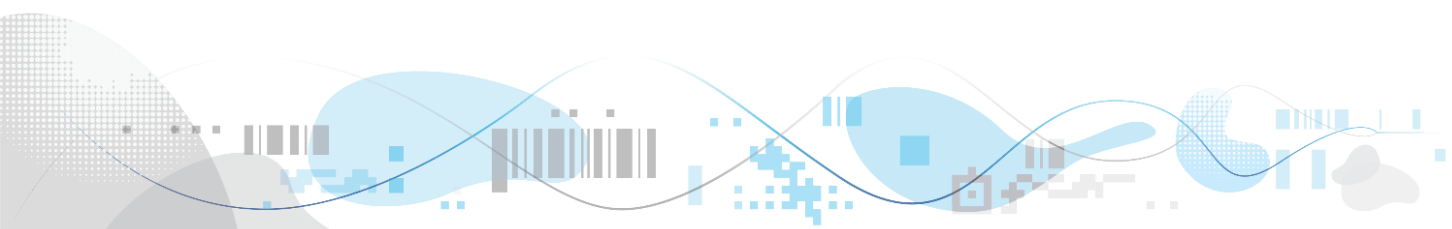
1500+
PERSONNEL



60+
OPERATING
LOCATIONS
across 9 countries

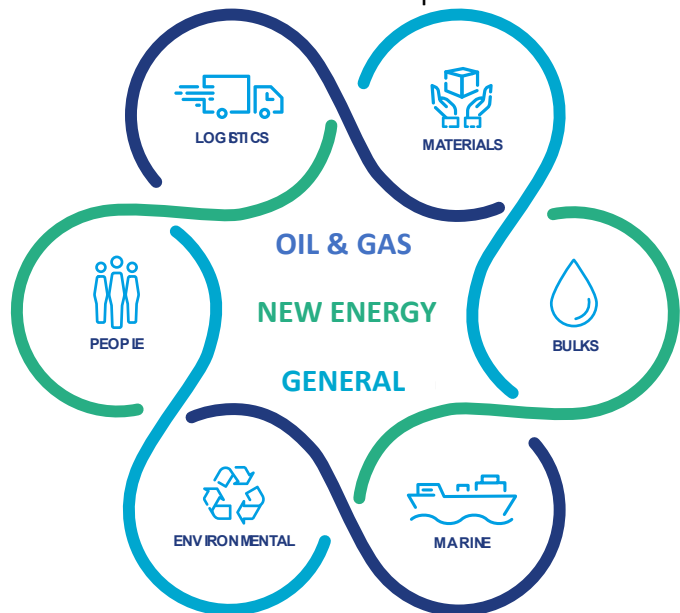


1.3
MILLION TONNES
of deck cargo
handled annually





ASCO is a critical enabler of the evolving energy industry, providing end-to-end logistics solutions for our partners.



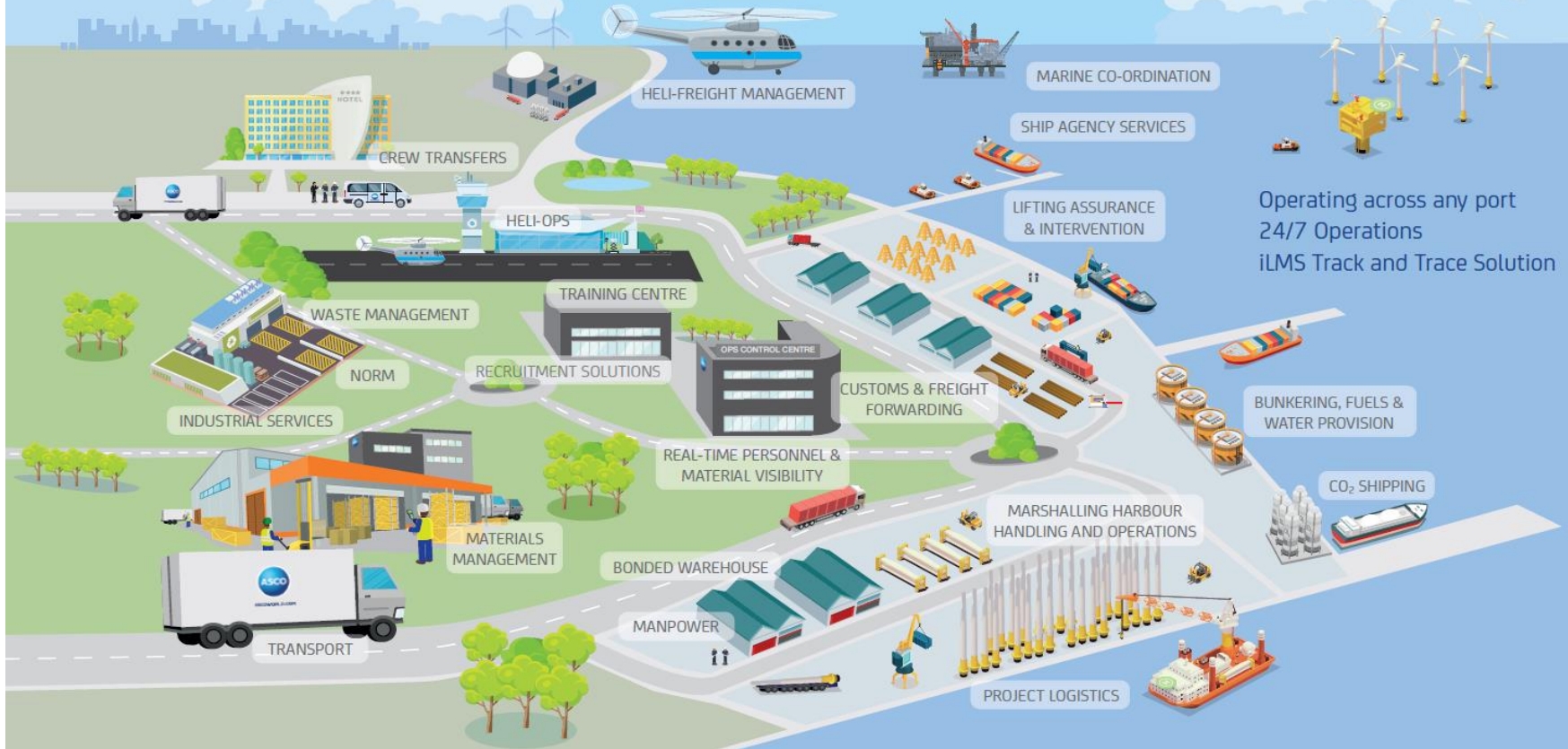
The Essential Partner for Logistics and Materials Management

SUPPORTING ALL ASPECTS OF YOUR ENERGY PROJECTS

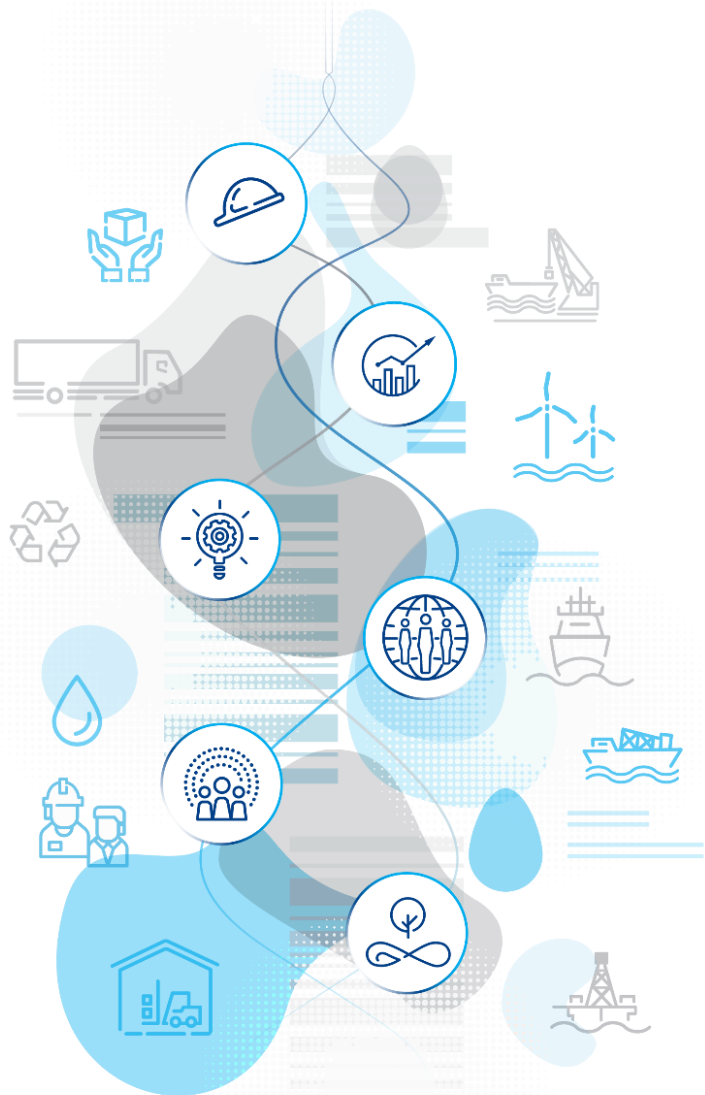
Renewables | Logistics Leadership | New Energy | Project Management



ASCOWORLD.COM



Operating across any port
24/7 Operations
iLMS Track and Trace Solution



DANNY ROBB

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WWW.ASCOWORLD.COM

Andrew Davies

Business Development Manager

Sarens PSG



@ScotRenew

#SRLOGISTICS24



sarens
PSG



Global reference in heavy lift and transport to the OWF sector

100 offices in 66 countries

Vast fleet of equipment – conventional & specialist

Innovative engineered solutions for component handling – designed and fabricated in-house



30 years of operating in Scotland and the Port of Cromarty Firth

Provider of:

- Heavy Lifting & Transportation Services
- Logistical Support
- Port Marshalling



RENEWABLES ACTIVITY

IDP for 62 no. (42 peak) ϕ 10m x 95m x ~2,000 te XXXL MPs
Q2 2023 to Q1 2024

Principle Contractor

Load-in from HTV

Storage – incl. Bund design and supply

Load-out to installation vessel

Ancillary services

- Mooring & Tugs
- Fabrication
- Paint Repair
- Instrumentation installation
- Stevedoring



INNOVATION





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#SRLOGISTICS24



geo-structural
Renewable Energy & Wind Power Division



Company Overview



About: A company specialising in the repair and maintenance of wind turbine blades, Utilising industrial rope access and suspended blade access platforms, such as the SQYFlex all-weather platform. Our team of highly skilled GBS Level 3 structural blade repair technicians perform a wide range of services, including CAT 5 structural repairs and the installation of aerodynamic upgrades (Vortex Generators, N-Tabs & Blade Tip Boosters) In addition to blade repairs, our civil engineering division focuses on wind turbine foundation inspection & repairs, offering tower displacement monitoring and foundation resin injection, assisting with life extension campaigns.

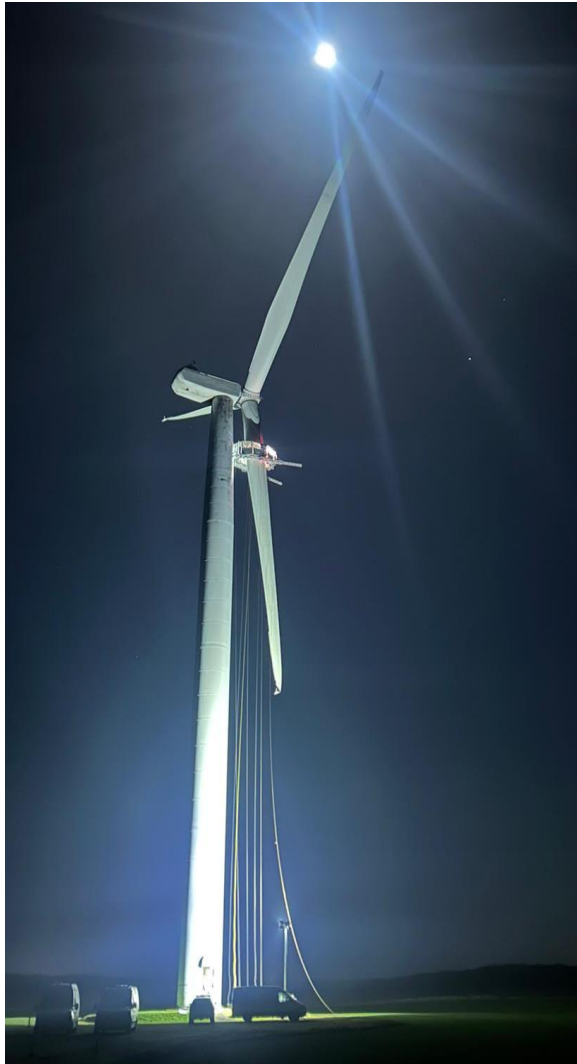
Locations: Strategically located between Glasgow & Edinburgh just outside Airdrie



Number of employees, Teams and divisions: We have around 30 employees between both the Renewables & Civils divisions

Key statistics: 2023/24 seen a significant increase in Employee satisfaction, Sales revenue, Website traffic, Customer satisfaction, Monthly MRR growth.





Renewables Activity



2023/24 we have/will deliver multiple Renewable Energy projects across several sites and a variety of turbine technologies.

- Siemens 2.3 MW blade repair & Leading-Edge Protection campaign
 - Vestas V90 3.0 MW Aerodynamic upgrade campaign
 - Senvion MM92 2.0 MW Blade repair & blade tip booster installation
 - Nordex N90 2.5 MW blade upgrade works during the hours of darkness
 - Vestas V66 1.7 MW blade repairs & application of Leading-Edge protection paint
 - Senvion MM92 2.0 MW foundation waterproofing
 - GE 3.0 MW Tower displacement monitoring
 - GE 3.0 MW Foundation resin injection
 - Nordex N60 1.3 MW Foundation waterproofing
-
- First deployment of nightshift blade works utilising suspended platforms, significantly reducing turbine downtime with 24/7 back-to-back working capability.
 - Over 300 hours working in wind speeds between 10m/s - 14m/s
 - Over 200 hours working in wet weather conditions utilising the habitat system
 - Over 500 hours of weather downtime prevented
 - Over 3,000 technician standby hours prevented
 - Over 3.5 T of CO2 emissions saved using SQYPower Battery Bank



Environmental, Social and Governance



Geo-Structural proudly received the 2023 Scottish Renewables Best Innovation Award for New Technology Products for the groundbreaking SQYFlex blade access platforms, completely changing wind turbine blade maintenance in the UK. Additionally, we were honoured by SME News as the Best Wind Turbine Blade Maintenance Company of the Year in 2024, recognising our commitment to excellence and innovation in the renewable energy sector.

Collaboration with Danish based firm PPT still ongoing in relation to lessons learned and development with the blade access platform.

The company has significantly invested in training relating to both Blade Repairs & Blade Access.

Throughout 2023 and 2024, a series of skilled technicians journeyed to Northern Europe to participate in the highly regarded Global Blade Service (GBS) L-3 Structural Blade Repair training course. This initiative underscores our commitment to enhancing expertise in wind turbine maintenance, as we think as a minimum, the lead technician should be GBS L-3 qualified. Furthermore, we've bolstered our capabilities by investing in suspended platform train-the-trainer skillssets, allowing us to internally train our platform operators, ensuring proficiency and efficiency in-house.



Contact Information



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Head of Projects

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OEG Renewables – Manor Renewable Energy

We are a rapidly-growing provider of critical technical solutions and services to the global offshore energy sector.

Company overview

Leading the way in the offshore energy sector

1

Locations

We have bases in **Europe** and **Taiwan** alongside a growing operational capability in the **USA**.

2

Our people

Our group of companies includes specialist businesses from across the sector; **Manor Renewable Energy (MRE)** was acquired in 2022 and operates a growing fleet of **15 crew transfer vessels** to support their **temporary power provision** projects.

We have **500+ employees** globally across our **4 divisions** and **14 acquired renewables businesses**.

3

Key statistics

- **97%** of offshore wind farms worked on to date
- **\$215m** FY2023 revenue
- **14 offshore renewables acquisitions** made in our journey so far, with **5 completed in 2023**
- **400+ offshore projects** delivered leveraging our collective capability

4

Our mission

Part of the OEG Energy Group, OEG Renewables brings all **topside, marine, cable and subsea** specialist services under one integrated business to support the construction, operations and maintenance phases of offshore wind farms.

Our purpose is to serve as a **trusted partner** for our customers, supporting them in the delivery of **cleaner, safer and efficient** energy production leveraging our **vast experience, know-how and capabilities**.

Track record examples

Ørsted (Netherlands)

Provision of temporary power during the commissioning phase of the 94 Siemens Gamesa Renewables 8.0-167 type turbines at the Borssele wind farm.



Ørsted (UK)

Provision of the full temporary power solution, service technicians and both crew transfer and walk to work vessels, during the construction phase of the Hornsea Two offshore wind farm.



SSE Renewables (UK)

Provision of a vessel, temporary power solution and subsea and topside IMR services to support the construction phase of the Dogger Bank wind farm.



GE (USA)

Provision of full temporary power solution and service technicians for the construction phase of the Vineyard offshore wind farm.



Our service offering

Topside

Customised solutions to support the safe and efficient operation of offshore assets including offshore communications, temporary power, balance of plant and marine coordination.



Marine

Supplying a wide range of vessel services including construction, inspection, maintenance and chartering provision from our fleet of offshore support vessels.



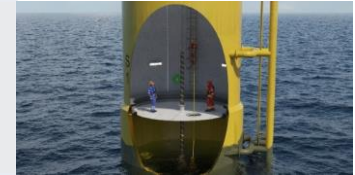
Subsea

Offering an integrated range of subsea capabilities, including diving operations, the provision of customized ROVs, subsea cabling services, seabed preparation & excavation and survey and positioning.



Cables

Provision of cable services to the offshore renewables sector including shore end cable installation, consultancy, cable pull-in packages and cable route studies.



ESG

1

Innovation successes

As part of our decarbonisation program, 941m2 of solar PV systems have recently been installed at our headquarters in Aberdeenshire.

Since going live mid-April the solar panels have generated over 55% of our electricity consumption and we are currently exploring options to have these installed at various other OEG locations.



2

Collaboration

Our OEG Norway colleagues formed a partnership with Supercharge, renowned for their innovative charging solutions, to create the Charge Hub.

This compact 10-foot ISO container is designed to provide rapid charging solutions for remote electrified site machinery located remote from grid charging solutions. The Charge Hub offers a sustainable system with better environmental characteristics due to reduced noise and greenhouse gas emissions.



3

Apprentice programmes

Fern Communications, an OEG Renewables company, offers apprentice opportunities in their Lowestoft based office.

Last year one of their apprentices, Mia Porter, an Apprentice Project Manager, took her first trip offshore to East Anglia ONE offshore wind farm.



Contact us

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