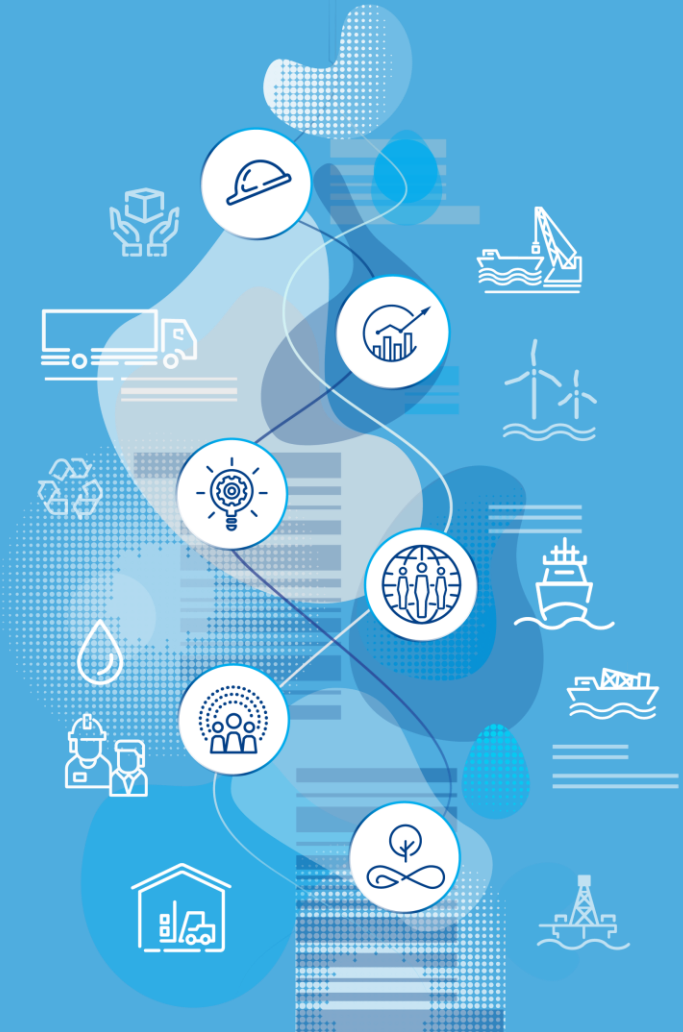


HOW SUPPLY CHAIN COMPANIES ARE KEY TO SHAPING A NET-ZERO ENERGY INDUSTRY

Thuy-Tien LeGuenDang
Group Sustainability Manager



Next generation logistics and materials management



LOGISTICS

Managing and executing
your physical supply chain



MATERIALS

Delivering transformational
change across your
materials operations



BULKS

Integrated solutions for storage &
distribution of bulk products



MARINE

Enhancing the efficiency of
your marine operations while
mitigating risk and cost



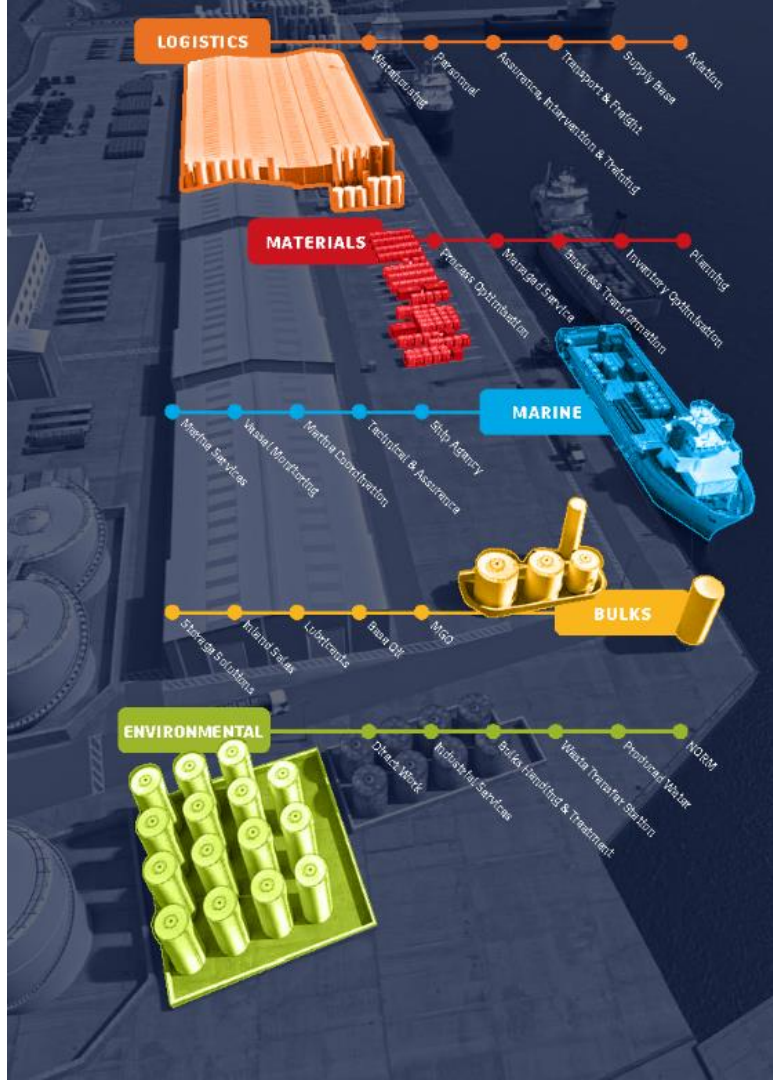
ENVIRONMENTAL

Providing complete waste
compliance and assurance



PEOPLE

Providing recruitment,
training & lifting solutions to
the energy industry



FRAMEWORK AND STANDARDS

THE UNITED NATION SUSTAINABLE DEVELOPMENT GOALS (UNSDG)



To develop its sustainability framework, ASCO has aligned with the United Nation Sustainable Development Goals (UNSDGs), also known as the Global Goals, and has identified the commitments below in line with the UNSDGs objectives that are applicable to its business:

UNSDG OBJECTIVES



GOOD HEALTH AND WELL BEING

Ensure healthy lives and promote well-being for all at all ages



QUALITY EDUCATION

Ensure inclusive and equitable quality education and promote lifelong learning



GENDER EQUALITY

Achieve gender equality and empower all women and girls



CLEAN WATER AND SANITATION

Ensure availability and sustainable management of water and sanitation for all



AFFORDABLE AND CLEAN ENERGY

Ensure access to affordable, reliable, sustainable and modern energy for all.



DECENT WORK AND ECONOMIC GROWTH

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

ASCO COMMITMENTS

- Introduction of Mental Health First Aiders
- Access to Employee Assistance Programme (EAP)
- Annual employee health initiatives
- Health and well-being awareness campaigns

- Hire and develop apprentices and graduates across the business
- Encourage employees to undertake vocational studies
- Implementation of formal Performance Development Process (PDP)

- Publish Gender Pay Gap report
- Implementation of mandatory Equality & Diversity Awareness e-Learning module

- Minimise and improve efficiencies in water consumption within the business and water supply to customers
- Improve water metering across the business

- Increase electricity purchases from renewable energy sources
- Implement a strategy for transition to green energy
- Promote an energy aware culture throughout the business
- Ensure opportunities for energy efficiency are supported by robust business cases for implementation
- Collaborate with the global energy sectors and supply chain to identify innovations to harness new technology

- Strive for 100% local content in all countries of operation
- Utilise 'ASCO Lifestyle' to support charitable giving, community and employee support
- Continuously review and improve work and operational practices

UNSDG OBJECTIVES



INDUSTRY INNOVATION AND INFRASTRUCTURE

Build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation



RESPONSIBLE CONSUMPTION & PRODUCTION

Ensure sustainable consumption and production patterns



CLIMATE ACTION

Take urgent action to combat climate change and its impacts



LIFE BELOW WATER

Conserve and sustainably use the oceans, seas and marine resources for sustainable development



LIFE ON LAND

Protect, restore and promote sustainable use of terrestrial ecosystems



REDUCED INEQUALITIES

Reduce inequality within and among countries



PEACE JUSTICE AND STRONG INSTITUTIONS

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

ASCO COMMITMENTS

- Implement a sustainable strategy which allows for a phased reduction of greenhouse gases through changes to infrastructure and introduction of technologies
- Encourage collaboration, deliver training and awareness and foster innovation
- Nurture a culture where all personnel can contribute to and participate in sustainability initiatives

- Ensure the efficient use of resources and materials in all services provided
- Maintain license to operate through compliance with relevant legislation ensuring legislative requirements provide value to the business
- Manage waste within the business according to the principles of the waste hierarchy
- Integrate sustainable procurement into supply chain management

- Committed to Net Zero by 2040
- Develop and implement a Net Zero transition strategy
- Provide transparent and supported sustainability reporting to the business and clients / other stakeholders

- Ensure effluent discharges are minimised, managed and controlled

- Achieve a net gain in biodiversity
- Implement a strategy for investment in carbon offsetting / abatement programmes

- Implementation of a Diversity & Inclusion committee
- Implementation of mandatory Equality & Diversity Awareness e-Learning module
- Implementation of Unconscious Bias training for all Managers

- Implementation of mandatory anti-bribery and corruption training for all employees
- Adherence to governance best practice
- Ensure continued GDPR compliance
- Implementation of Code of Conduct policy
- Implementation of a Diversity & Inclusion committee
- Publish Anti-Slavery & Human Trafficking statement

- introduction*
- environment*
- people*
- community*
- governance*
- stakeholders*



ASCO GROUP

Sustainability Report

Striking the balances of the energy transformation

2021



ASCO'S RESPONSE

TOWARDS A SUSTAINABLE ENERGY SYSTEM

PROTECTING THE PLANET

Net Zero Greenhouse
Gas Emissions by
2040



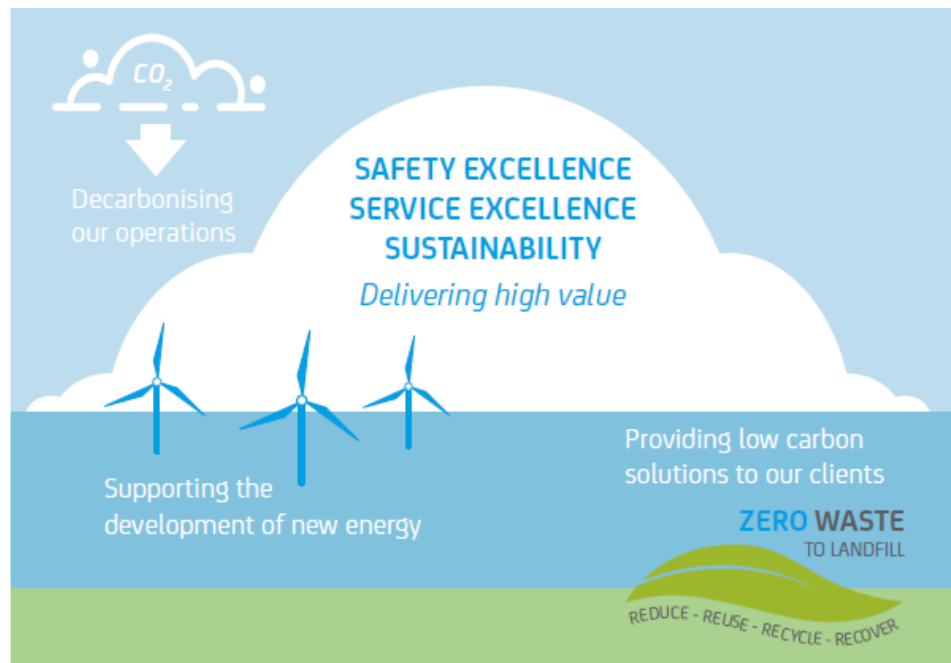
Protect our
Natural Resources
(water usage)



Zero Waste
to Landfill

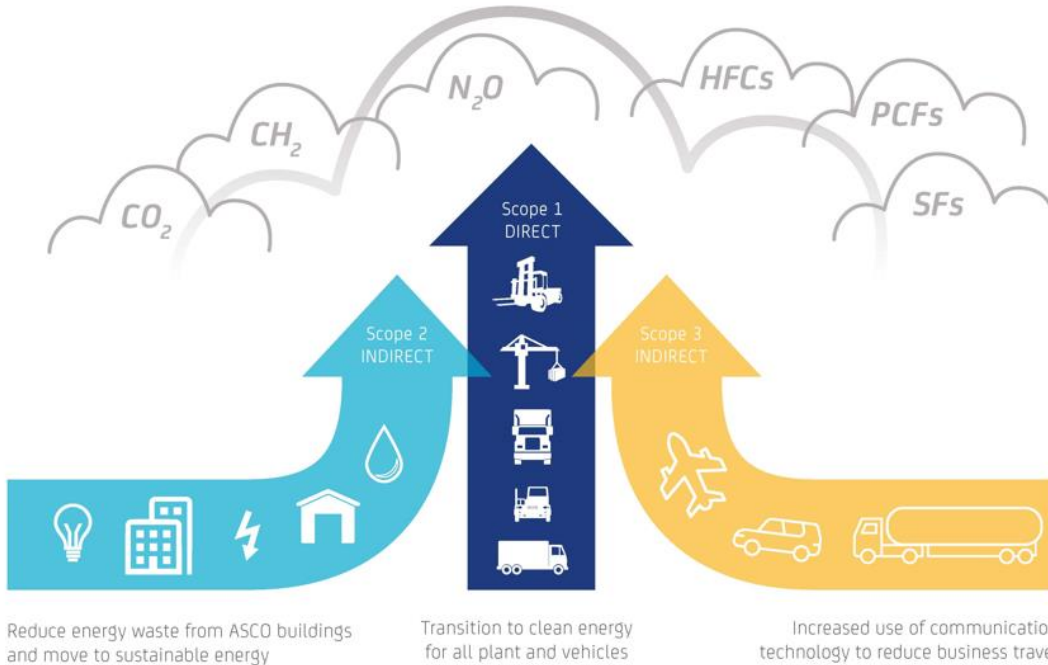


ENERGY TRANSITION



DECARBONISING OUR OPERATIONS

NET ZERO AMBITION / ASCO CO₂ EMISSIONS



The principles used to **develop our decarbonisation strategy** are based on ISO 14064, 'Guidance for quantification and reporting GHG emissions'

Impact on:

- Scope 3
- Supply Chain Action Plan

DECARBONISING OUR OPERATIONS

OUR GOALS AND OBJECTIVES FOR A CARBON NEUTRAL FUTURE

REDUCTION FROM 2019 TO 2024

SCOPE 1

Direct emissions from road haulage and transportation, operation of mobile plant and equipment

-30%

Road haulage and transportation



Emissions released by owned or leased cars, vans, trucks and forklifts

Mobile plant and equipment



Emissions released by owned or leased plant and equipment

SCOPE 2

Indirect emissions from Energy consumption for buildings

-15%

Electricity Consumption



Electricity drawn from grid

SCOPE 3

Indirect emissions from business travel, handling and processing of client waste and supplying bulk to client

-25%

Transport Emissions



Emissions from business travel

STRATEGIC WORK STREAMS

ASCO SUSTAINABILITY COMMITTEE



Net zero Green Gas Emissions (CO₂ emission reduction in scope 1, 2 and 3)

Environmental improvement of our operations (water usage and waste management)

Data quality and availability

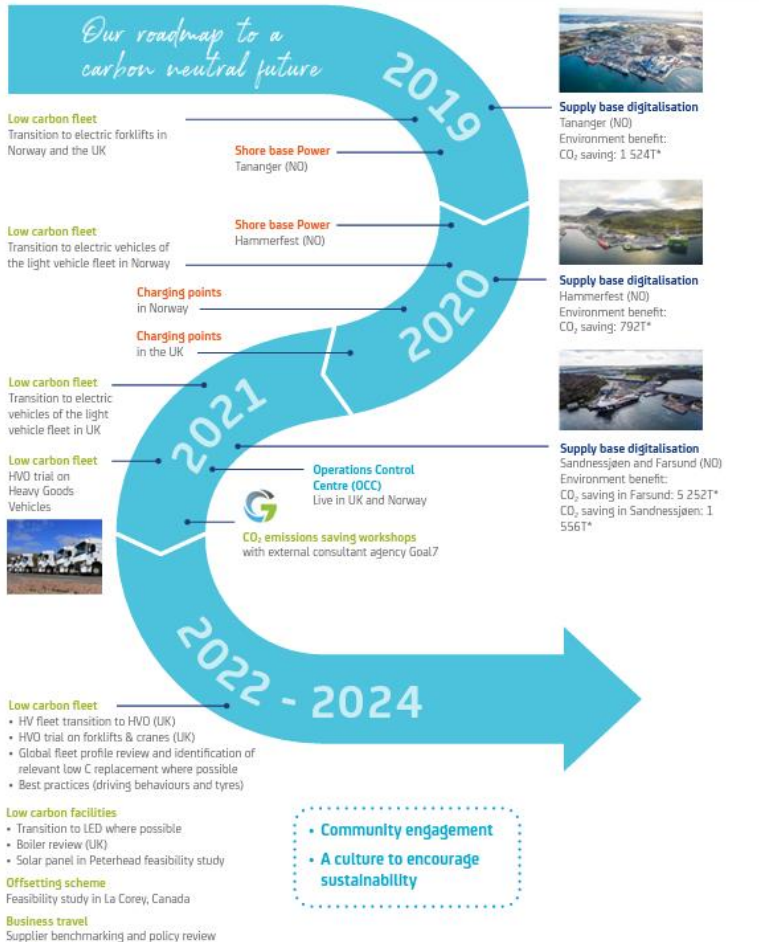
Work practice review

Sustainable procurement

Sustainability Culture

Community engagement

ASCO'S DECARBONISATION ROADMAP



Supply base digitalisation
Tananger (NO)
Environment benefit:
CO₂ saving: 1 524T*



Supply base digitalisation
Hammerfest (NO)
Environment benefit:
CO₂ saving: 792T*



Supply base digitalisation
Sandnessjøen and Farsund (NO)
Environment benefit:
CO₂ saving in Farsund: 5 252T*
CO₂ saving in Sandnessjøen: 1 556T*



ZERO WASTE
TO LANDFILL

REDUCE - REUSE - RECYCLE - RECOVER

ASCO

ASCO reduces its CO₂ direct emissions by **46%** in the UK.

3040 Tonnes CO₂
(46% reduction) is equivalent to

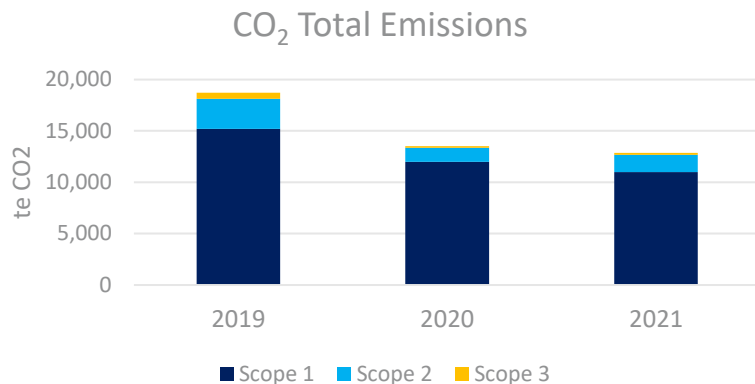
The amount absorbed by **150,586 trees**

Heating **453 homes** throughout the year

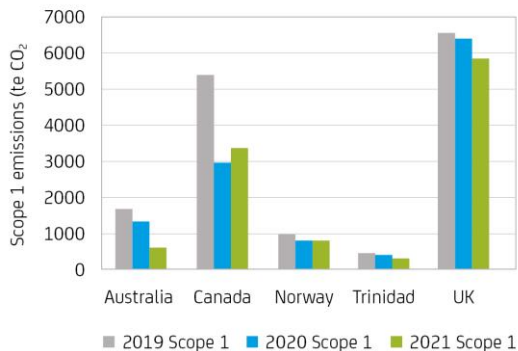
Read more [here](#)

ASCO'S PERFORMANCE DATA

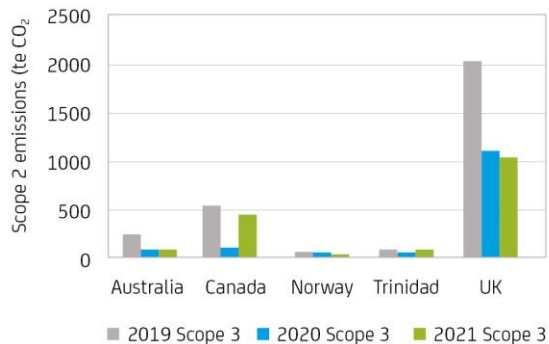
CO₂ EMISSIONS



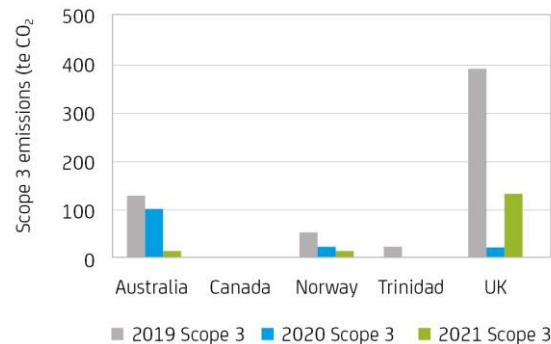
ASCO Scope 1 Emissions 2019-2021



ASCO Scope 2 Emissions 2019-2021

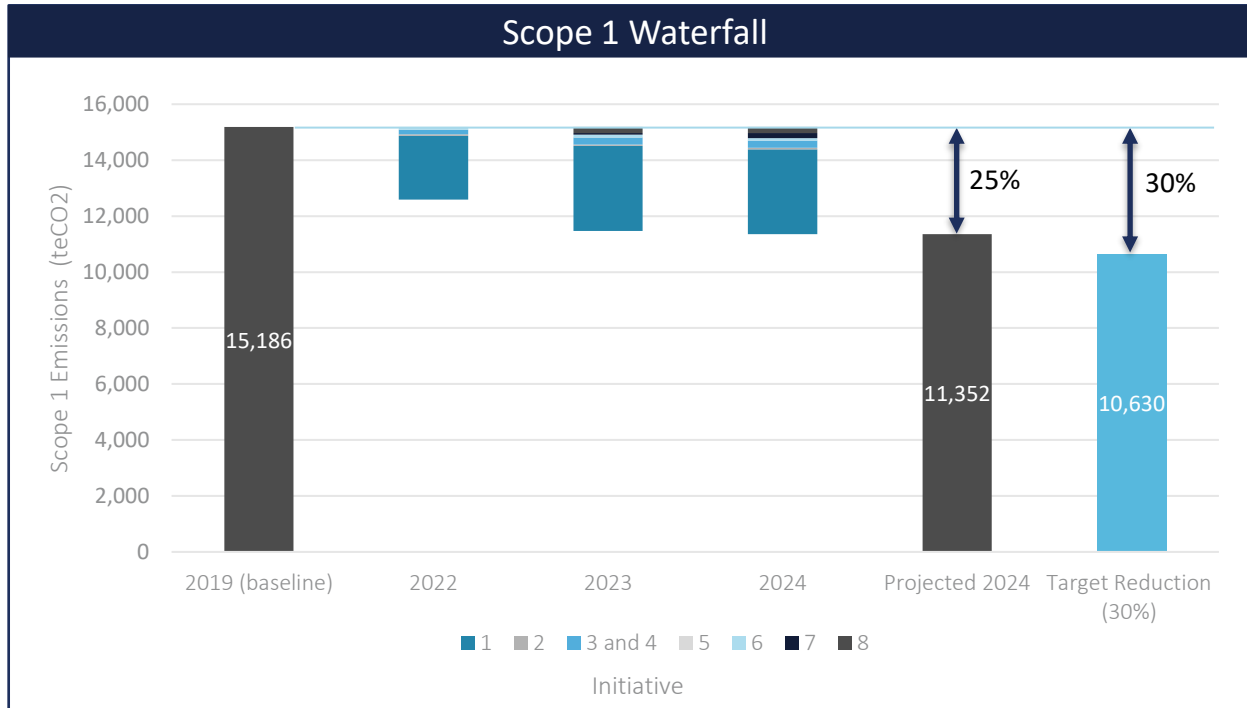


ASCO Scope 3 Emissions 2019-2021



2022 PLAN AND 2024 FORECAST

SCOPE 1 WATERFALL CHART



COLLABORATION, COMMUNICATION, TRANSPARENCY



HOW CAN WE WORK TOGETHER?

DECARBONISING THE INDUSTRY



- HVO (alternative fuels)
- Warehouse improvement (practices)
- Renewable technology (e.g. solar panels)
- Microgrid



- New energy development (wind, H2, etc)
- Materials Management consolidation?



- Waste and Plastic reduction
- Waste reduction (forward planning)

LOW CARBON SOLUTIONS /MODELS

- Shared models
- Logistics consolidation
- Shore power

LOGISTICS PROJECTS

LOGISTICS AND MATERIALS MANAGEMENT SERVICE

- Ports coordination
- Rerouting



AROUND **1700** TONNES RECEIVED OVER THE QUAYSIDE



878 METRES OF RISERS DE-CONTAMINATED BY NORM SOLUTIONS.



135 TONNES OF CONTAINERISED WASTE WORKED



2,400 TONNES PRODUCED WATER AND FLUSHINGS RECEIVED



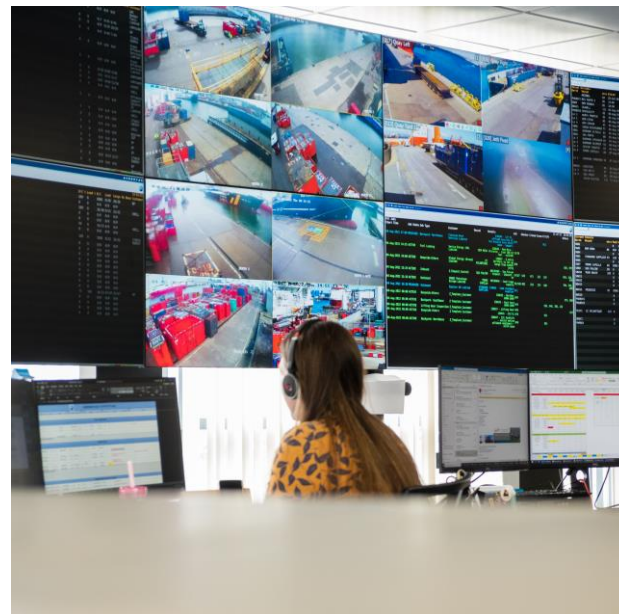
0 REPORTED HSSEQ INCIDENTS

SHARED MODEL

ASSETS AND RESOURCES



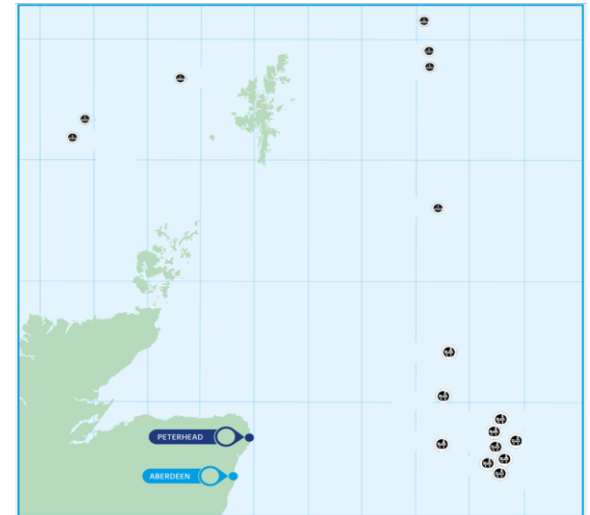
Lean design



Operations Control Centre

SHARED MODEL

MARINE - VESSEL OPTIMIZATION EXAMPLE



Based on number of vessels
this equates to 5,475+ vessel days
(+ refers to spot hires) per annum



Using 6mt per day average for vessel
consumption and conversion factor of 3.2 for
MGO

105,000 tonnes of CO₂ in vessel **only** MGO
consumption

If 2 vessels could be taken out of this pool- this
would be a saving of 14,000 tonnes of CO₂.

REDUCING WASTE

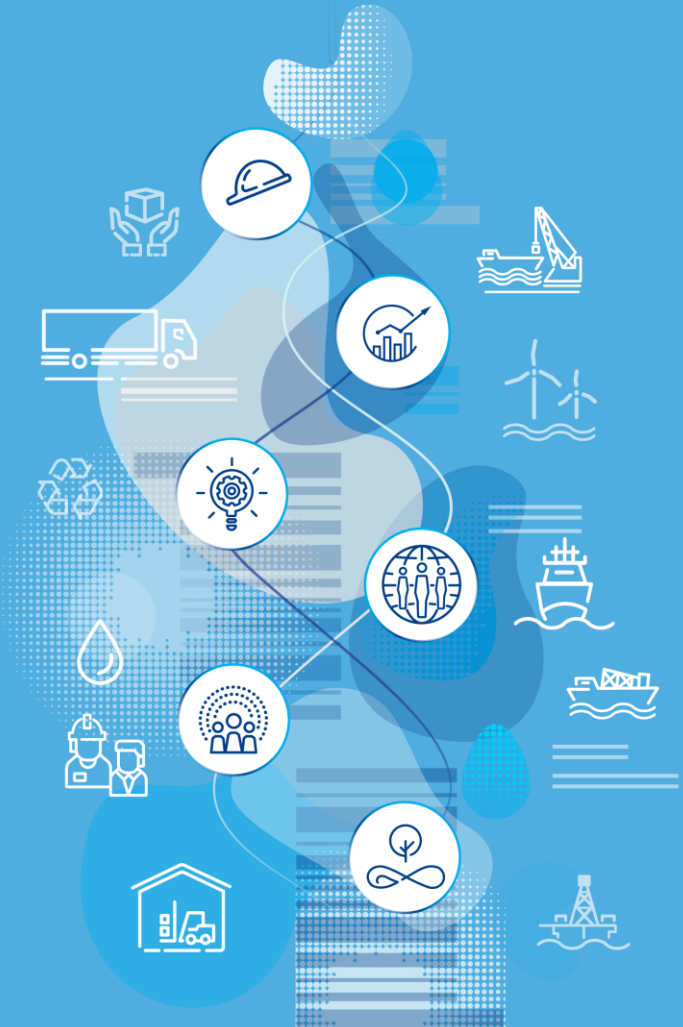
MATERIALS – SUSTAINABLE PACKAGING



LOGISTICS AND MATERIALS MANAGEMENT SERVICE

INTEGRATED AND MANAGED





THANK YOU