

WIND ENERGY WEEK 24 - 28 JUNE, 2024



5 key areas for policy delivery:

- 1 Build grid infrastructure**
- 2 Reform the planning & consenting system**
- 3 Unlock investment through UK supply chain**
- 4 Train the next generation of wind workers**
- 5 Innovate through floating wind**

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WHY INVESTING IN GRID IS A PRIORITY FOR SCOTLAND

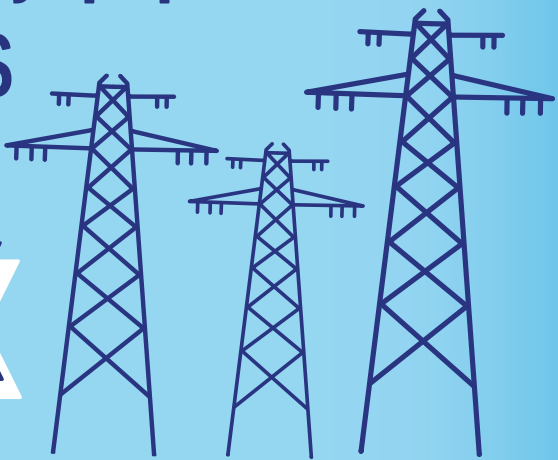
13GW
installed wind
capacity in 2024



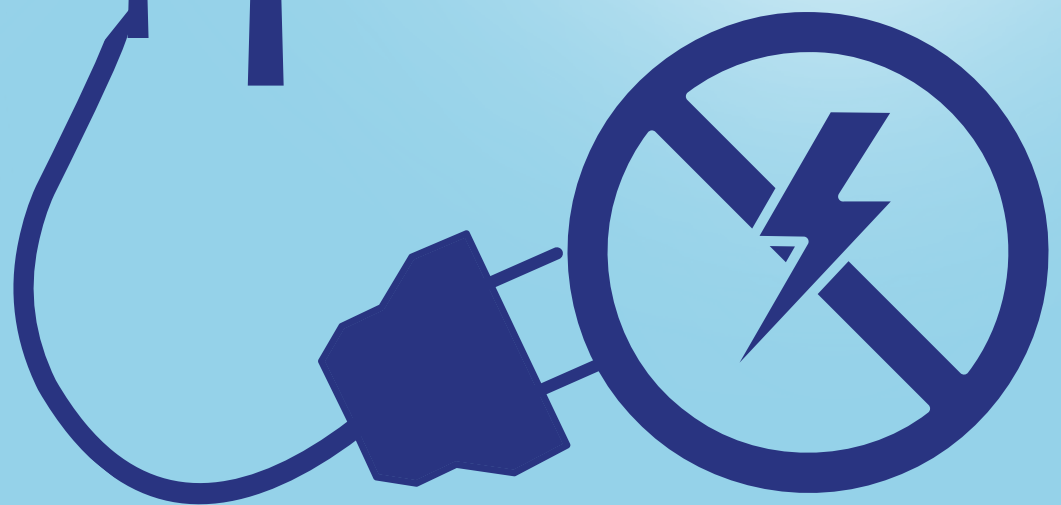
28GW+
installed wind
capacity in 2030

Scotland's wind
energy pipeline
needs

5x



more transmission
lines by **2030**
than have been built
in the past **30** years



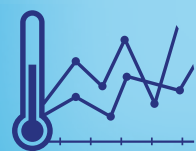
Building grid will:



BOOST ENERGY SECURITY



CUT CONSUMER BILLS



TACKLE CLIMATE CHANGE

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WHY INVESTING IN GRID IS A PRIORITY FOR SCOTLAND

System constraints and
insufficient transmission
capacity costs the UK

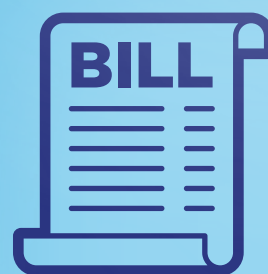
**£1.5 billion
each year**



By 2030 this bottleneck
could increase **5x** to

£3.5 billion

**Without new
transmission
capacity by
2030:**



**CONSUMER BILLS
INCREASE BY £200**



**ENOUGH
ELECTRICITY
WASTAGE TO
POWER 5 MILLION
HOMES FOR A YEAR**

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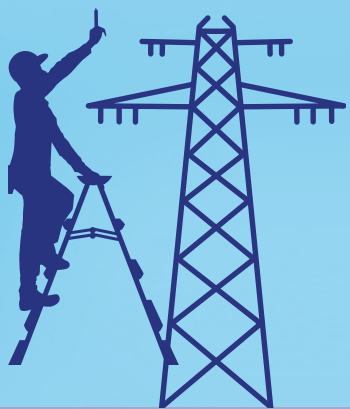


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WHY INVESTING IN GRID IS A PRIORITY FOR SCOTLAND

SSEN Transmission's Pathway to 2030:



9,000
high value jobs



£10 billion
investment in the
North of Scotland



£100 million
community benefit
fund ambition

Connecting projects
that will contribute
15% of the UK's
net-zero
carbon reduction.

£5.4 billion

in local supply chain opportunities from
SP Energy Network's grid upgrades.

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A PLANNING AND CONSENTING SYSTEM FIT FOR SCOTLAND'S ONSHORE WIND ENERGY PIPELINE



20 GW

of onshore
wind by 2030



2x

current
capacity



The Scottish Onshore Wind Sector Deal is committed to reducing consenting timelines to 1 year.

start



finish

2-5 years



start



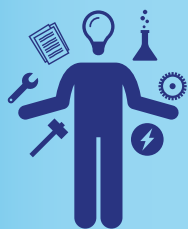
finish

1 year

12 month project consenting relies on these commitments:



ONGOING PIPELINE ANALYSIS



IDENTIFYING RESOURCE GAPS



**MONITORING
OPERATIONAL ACTIVITIES
OF PROJECT CLUSTERS**



**IMPROVING ENVIRONMENTAL
IMPACT ASSESSMENT
REPORTS**



**STANDARDISED TEMPLATES
AND GUIDANCE FOR
APPLICATIONS**



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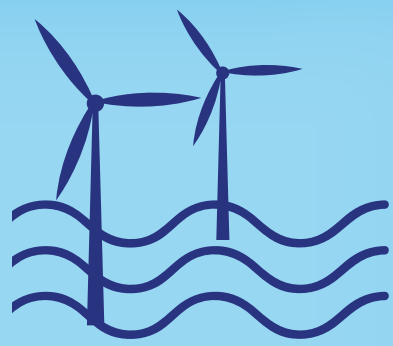
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A PLANNING AND CONSENTING SYSTEM FIT FOR SCOTLAND'S OFFSHORE WIND ENERGY PIPELINE

4.2GW

installed **offshore**
wind capacity in
Scotland



40GW+

Scotland's
offshore wind
pipeline



Scotland's
offshore wind
pipeline
is fundamental
to **net-zero**.



A **10x** increase in Scotland's
offshore wind capacity requires
an **efficient planning &**
consenting system.

A holistic, strategic approach to planning will:



FACILITATE THE TIMELY CONSENT OF PROJECTS



**DELIVER EFFICIENT
PROCESSES AND RESOURCES**

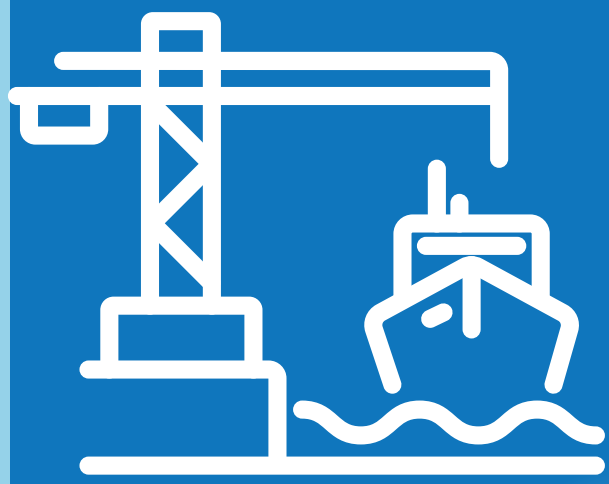


**GIVE CONFIDENCE TO
INDUSTRY & INVESTORS**



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INVESTING IN PORTS AND SUPPLY CHAIN

£92 billion

**economic growth
potential.**



90%

**of Scottish
supply chain
businesses
hired new
people**

**for renewable
energy opportunities,
survey reveals.**



**Key
supply
chain growth
opportunities:**



PORTS



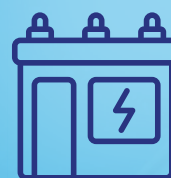
FOUNDATIONS



EXPORT CABLES



VESSELS



SUBSTATIONS

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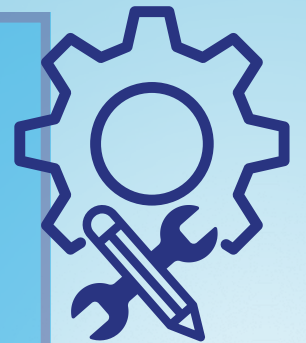
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TRAINING THE NEXT GENERATION OF WIND WORKERS



**27,000
jobs**

15,005
offshore wind



12,030
onshore wind

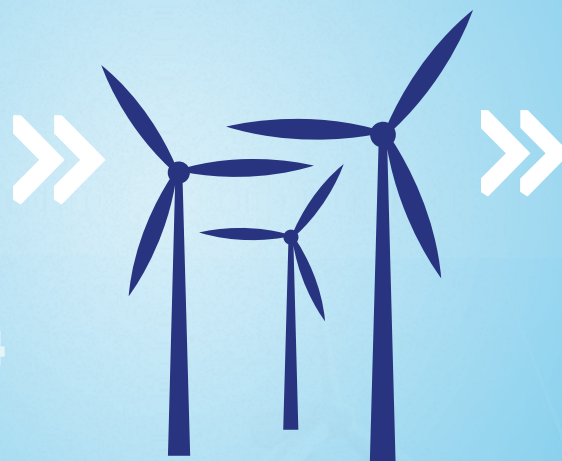
supported by Scotland's wind industry
and its supply chain.



Thousands more skilled
workers will be needed to
meet deployment targets.



13GW
installed wind
capacity in 2024



28GW+
installed wind
capacity in 2030

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TRAINING THE NEXT GENERATION OF WIND WORKERS



Scaling up skills will require:



COLLABORATION

between industry, governments, academia, trade unions and training providers to determine the skills we will need.



APPRENTICESHIP LEVY REFORM

to ensure it is fit for purpose in addressing skills gaps and providing flexibility for employers.



FUNDING

that allows SME suppliers to invest in facilities, skills and equipment to enhance their capabilities, competitiveness and capacity.

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FLOATING OFFSHORE WIND INNOVATION IN SCOTLAND



Scotland is
a **world leader**
in floating wind.

Scotland's
North East is
home to the
world's first
commercial
floating wind
farm.



Our circa **25GW**
pipeline makes
Scotland's
floating wind
market the
biggest in
the
world.



Scotland has a
pool of
expertise
from
50 years
of **innovation**
in floating
technology.



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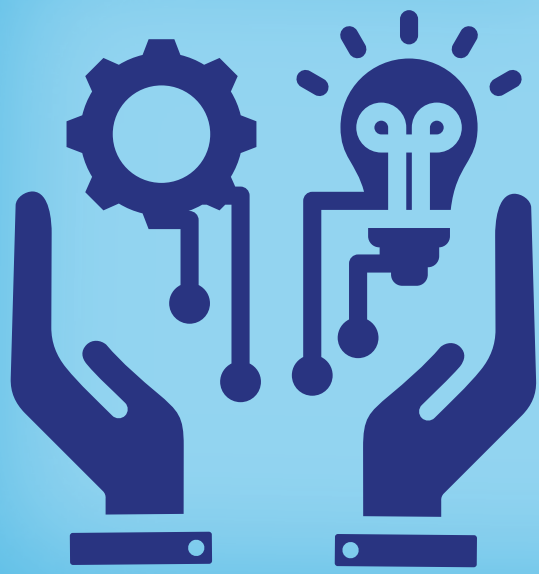


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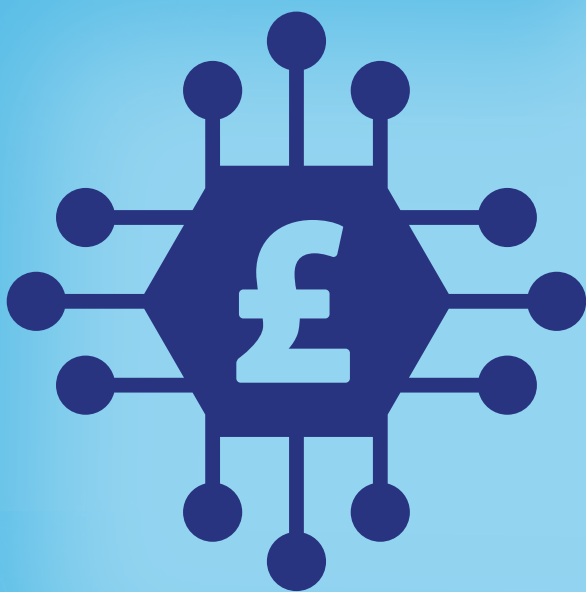
FLOATING OFFSHORE WIND INNOVATION IN SCOTLAND

**Turning our world-leading pipeline
into installed capacity requires:**



INNOVATION

Developing an offshore wind testing centre in Scotland to complement the world's first floating offshore wind innovation centre in Aberdeen.



FUNDING

Unlocking investment with a green industrial strategy that builds on funding packages like the Floating Offshore Wind Manufacturing Scheme.

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