

# **Ireland act green energy solutions**





## Overview

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### Energy Security in Ireland to 2030

There have been significant changes to Irish energy and climate policy since the Energy White Paper in 2015 set out a path to transition Ireland to a low carbon energy future by 2030. The Climate Action Plan 2019 set out a target of achieving 70% electricity generation from

### Renewable energy in Ireland

With its significant geographical advantages, Ireland has incredible potential to harness renewable energy sources, particularly wind energy. However, the journey towards a sustainable future is not without its challenges, writes KPMG's James Delahunt, Partner Sustainable Futures & Michael Lynch, Partner Tax.



### Ireland's ambitious Climate Act signed into law

Ireland is now on a legally binding path to net-Zero emissions no later than 2050, and to a 51% reduction in emissions by the end of this decade. The Act provides the framework for Ireland to meet its international and EU climate commitments and to become a leader in addressing climate change.

### Ireland is perfectly positioned to tap into the cleantech ...

3 · Wind energy is just one of a wide range of



cleantech solutions that Ireland can utilise, says Blanchfield: "Wind energy plays a significant role, accounting for more than 30 per cent of

**INTEGRATED DESIGN**  
EASY TO TRANSPORT AND INSTALL,  
FLEXIBLE DEPLOYMENT



### Green Paper on Energy Policy in Ireland

The development of energy policy in Ireland is central to achievement of key environmental, societal and economic goals, and the Environmental Protection Agency (EPA) welcomes this opportunity to comment on the Energy Green Paper. The paper outlines a number of issues and provides a series of questions in relation to priority areas.



### gov.ie

The long-term model and vision for offshore renewable energy in Ireland is called the Future Framework. This policy will be published in early 2024 and will set out a framework for the delivery of 37GW of offshore wind by 2050.



### gov.ie

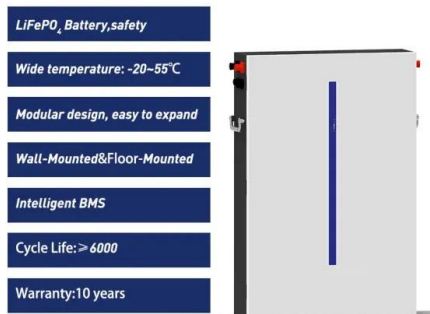
Under the Climate Action Plan 2023 (CAP 23) and subsequent CAP 24, Government has set an ambitious target of having an 80% share of electricity generation supplied by renewable sources by 2030 to create a more sustainable and resilient energy system for the future. To achieve the target, Government have committed to achieving 9 GW of onshore





## AI & Energy: Green Transition's Power Duo , EY

AI and energy, dubbed the "new power couple," are revolutionising the industry with innovative solutions and policies. The EU AI Act and national strategies like Ireland's Climate Action Plan are fostering responsible AI development to support key energy initiatives.



## Renewables , Energy Statistics In Ireland , SEAI

RED set out mandatory targets for renewable energy in Ireland to be met by 2020, while RED II sets new targets and criteria to be met by Ireland in 2030 and the interim. Under the European Green Deal and REPowerEU plan, a significant revision [25] to RED II was finalised during 2023 and entered into force on 20 November 2023 (referred to as RED

## Forty Shades of Green Energy: How Ireland is Tackling

Irish renewable energy is dominated by onshore (and in future offshore) wind farms, with some solar photovoltaics (solar PV). With over 250 wind farms in operation today, there is a total installed capacity of 3,700 MW, with plans to increase capacity by at least 250 MW per year through new builds.



## Ireland is perfectly positioned to tap into the cleantech revolution

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