

Cé hiad EirGrid agus cad a dhéanaimid?

Déanann EirGrid eangach leictreachais na hÉireann a fhorbairt, a bhainistiú agus a oibriú. Táimid freagrach as leictreachas slán, sábháilte agus iontaofa a sholáthar in Éirinn. An dualgas atá orainn ná leictreachas a thabhairt ón áit a mbíonn sé á ghiniúint chuig an áit a mbíonn sé ag teastáil ar fud na hÉireann, ar tír agus amach ón gcósta.

Tá EirGrid ar thús cadhnaíochta freisin maidir le haistriú slán na heangaí chuig todhchaí inbhuanaithe ísealcharbóin.

Cé nach bhfuil sé faoi chúram EirGrid leictreachas a ghiniúint ná feirmeacha gaoithe a thógáil, tá sé faoinár gcúram an bonneagar giniúna leictreachais, amhail feirmeacha gaoithe amach ón gcósta agus ar tír, a cheangal lenár n-eangach leictreachais náisiúnta.

Who are EirGrid and what do we do?

EirGrid develops, manages, and operates Ireland's electricity grid. We are responsible for the safe, secure and reliable supply of Ireland's electricity. Our job is to bring power from where it is generated to where it is needed throughout Ireland, onshore and offshore.

EirGrid is also leading the secure transition of the electricity grid to a sustainable low-carbon future.

While EirGrid is not responsible for generating electricity or building windfarms, we are responsible for connecting electricity generation infrastructure, such as offshore and onshore windfarms, into our national electricity grid.



What is Shaping Our Offshore Energy Future?

The south coast has a key role in Ireland's offshore energy future, a greener power grid and energy independence.

The Government of Ireland's Climate Action Plan 2023 places offshore wind power at the centre of the State's commitment to producing 80% of our energy from renewable sources by 2030.

To achieve this, we will need to develop:

- Offshore substation(s) – to be located within Maritime Area A (Tonn Nua) of the SC-DMAP.
- A connection between the offshore substation(s) and existing substations onshore. This will involve undersea and underground electricity cables; and
- New substations near to existing substations onshore.

This will help deliver approximately 900 megawatts of additional electricity - enough to power almost one million homes with clean energy.

This new electricity will be generated by offshore wind farms in Irish waters. Developing the offshore electricity grid is key to harnessing Ireland's offshore wind energy potential and providing greater security of electricity supply from a clean renewable source.

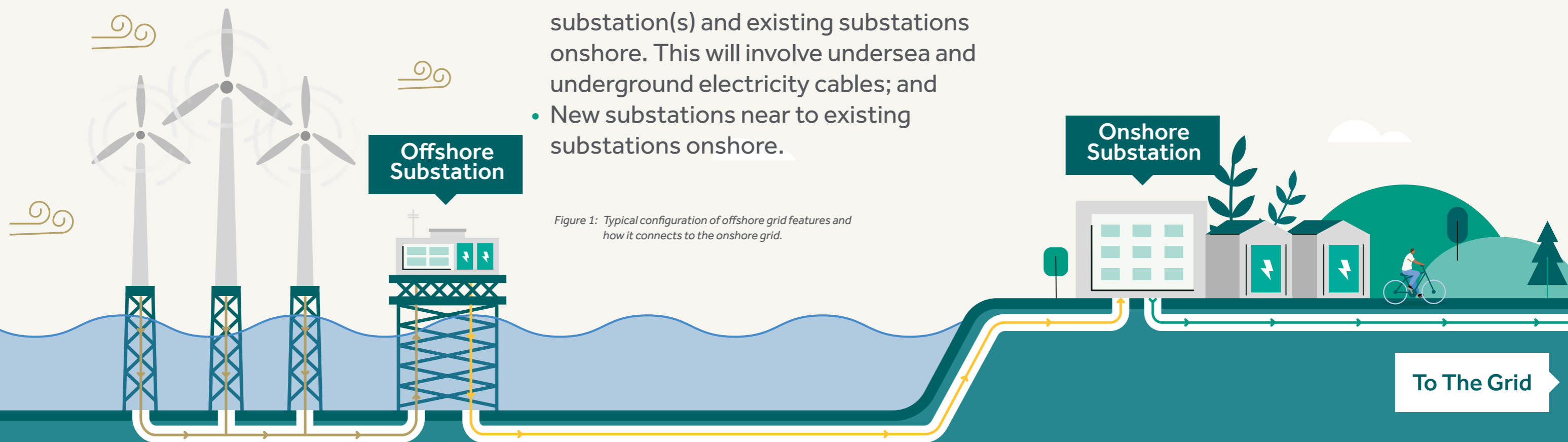


Figure 1: Typical configuration of offshore grid features and how it connects to the onshore grid.

To The Grid

Céard atá i gceist le Dul i bhFeidhm ar ár bhFuinneamh Amach ón gCósta san Am atá le Teach?

Tá ról lárnach ag an gcósta theas maidir le fuinneamh amach ón gcósta a chur chun cinn in Éirinn san am atá le teacht agus maidir le heangach leictreachais inbhuanaithe a chruthú le go mbeimid níos neamhspleáiche ó thaobh an fhuinnimh de.

Leagtar béim mhór ar chumhacht na gaoithe amach ón gcósta sa Phlean Gníomhaithe ar son na hAeráide 2023, agus gealltanais Rialtas na hÉireann go dtiocfaidh suas le 80% d'fhuinneamh na tíre ó fhoinsí in-athnuaite faoi dheireadh 2030.

Leis seo a bhaint amach, ní mór dúinn forbairt a dhéanamh amach ó eangach an chósta theas. Beidh gá le:

- Fostáisiún/fostáisiúin amach ón gcósta – le bheith suite laistigh de Limistéar Muirí A (Tonn Nua) SC-DMAP.
- Nasc idir an fostáisiún/na fostáisiúin amach ón gcósta agus na fostáisiúin ar tír atá ann cheana féin. Beidh cáblaí faoin

bhfarraige agus faoi thalamh ag teastáil chuige seo; agus

- Fostáisiúin nua a bheidh gar do na fostáisiúin ar tír atá ann cheana féin.

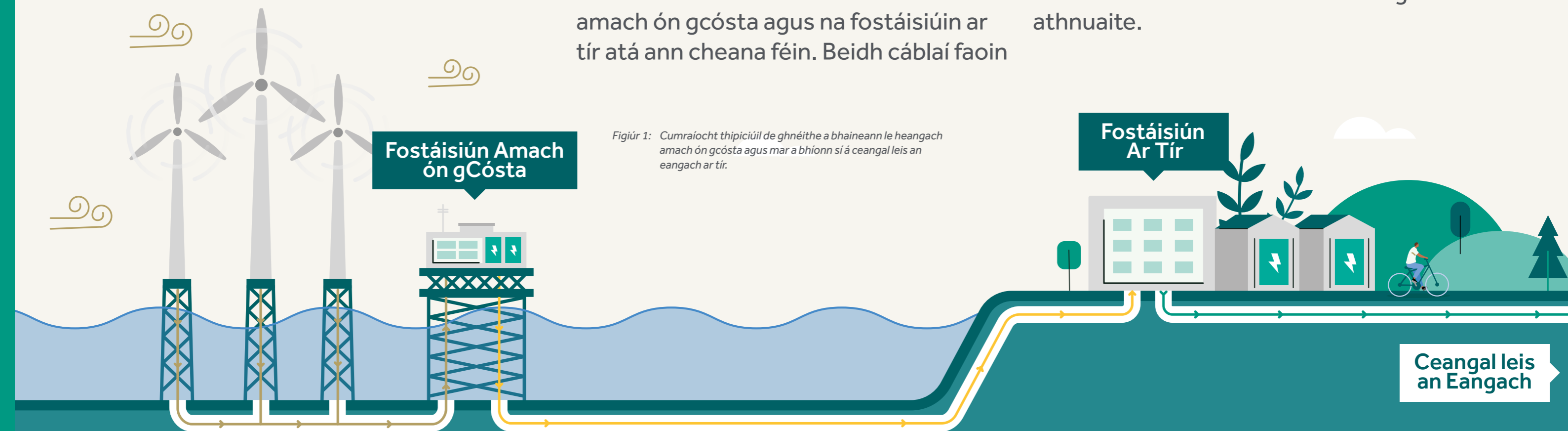
Cuideoidh sé seo linn suas le 900 meigeavata leictreachais sa bhreis a sholáthar - á dhóthain chun fuinneamh glan a sholáthar do bheagnach milliún teach. Ní mór dúinn an eangach leictreachais amach ón gcósta a fhorbairt chun an oiread tairbhe agus is féidir a bhaint as na féidearthachtaí a bhaineann le fuinneamh gaoithe amach ó chósta na hÉireann agus níos mó seasmhachta a chur le soláthar leictreachais ó fhoinsé ghlan in-athnuaite.

Fostáisiún Amach ón gCósta

Figiúr 1: Cumraíocht thipiciúil de ghnéithe a bhaineann le heangach amach ón gcósta agus mar a bhíonn sí á ceangal leis an eangach ar tír.

Fostáisiún Ar Tír

Ceangal leis an Eangach



What benefits will this programme bring?



Security and reliability of supply

Building a more independent, resilient and reliable electricity grid helps ensure that everyone has power when and where they need it.



Sustainability

Shaping Our Offshore Energy Future will enable homes and businesses across the Irish coast and beyond to use electricity generated from offshore renewable energy.



Social and community

Our community benefit policy will directly support local communities in the areas that host the programme infrastructure.



Meet future needs

As our society and economy develops, the programme will help us meet the growing demand for electricity, without increasing our carbon footprint.



Economic

This critical programme will help strengthen the economy across coastal regions, encouraging and supporting industry investment with accessibility to a strong electricity grid.

Cén buntáistí a bhainfidh leis an tionscadal seo?



Seasmhacht agus iontaofacht an tsoláthair

Trí eangach leictreachais níos neamhspleáiche, níos seasmhaí agus níos iontaofa a fhorbairt, cinnteofar go mbeidh fuinneamh ag gach duine san am agus san áit a mbíonn sé ag teastáil.



Inbhuanaitheacht

De dheasca Dul i bhFeidhm ar ár bhFuinneamh Amach ón gCósta san Am atá le Teacht, beidh daoine ar fud chósta na hÉireann agus níos faide i gcéin in ann leictreachas a úsáid ina dtithe agus ina ngnólachtaí ar gineadh as fuinneamh in-athnuaite amach ón gcósta.



Buntáistí Sóisialta agus Pobail

Tacóidh an beartas leasa pobail go díreach le pobail áitiúla sna ceantair ina mbeidh bonneagar an chlár á óstáil.



Freastal ar na riachtanais a bheidh ann amach anseo

De réir mar a fhorbraíonn ár bpobal agus ár ngeilleagar, cuideoidh an clár linn freastal ar an éileamh atá ag dul i méid don leictreachas, gan ár lorg carbóin a mhéadú.



Buntáistí Geilleagracha

Neartóidh an clár criticiúil seo an geilleagar ar fud na gceantar cósta agus cuirfidh an rochtain ar eangach leictreachais láidir le spreagadh agus le tacaíocht sa tionsclaíocht ó thaobh infheistíochta de.