



Fibre Optics

Fibre optics laid alongside the Celtic Interconnector will add a direct telecommunications link between Ireland and continental Europe.





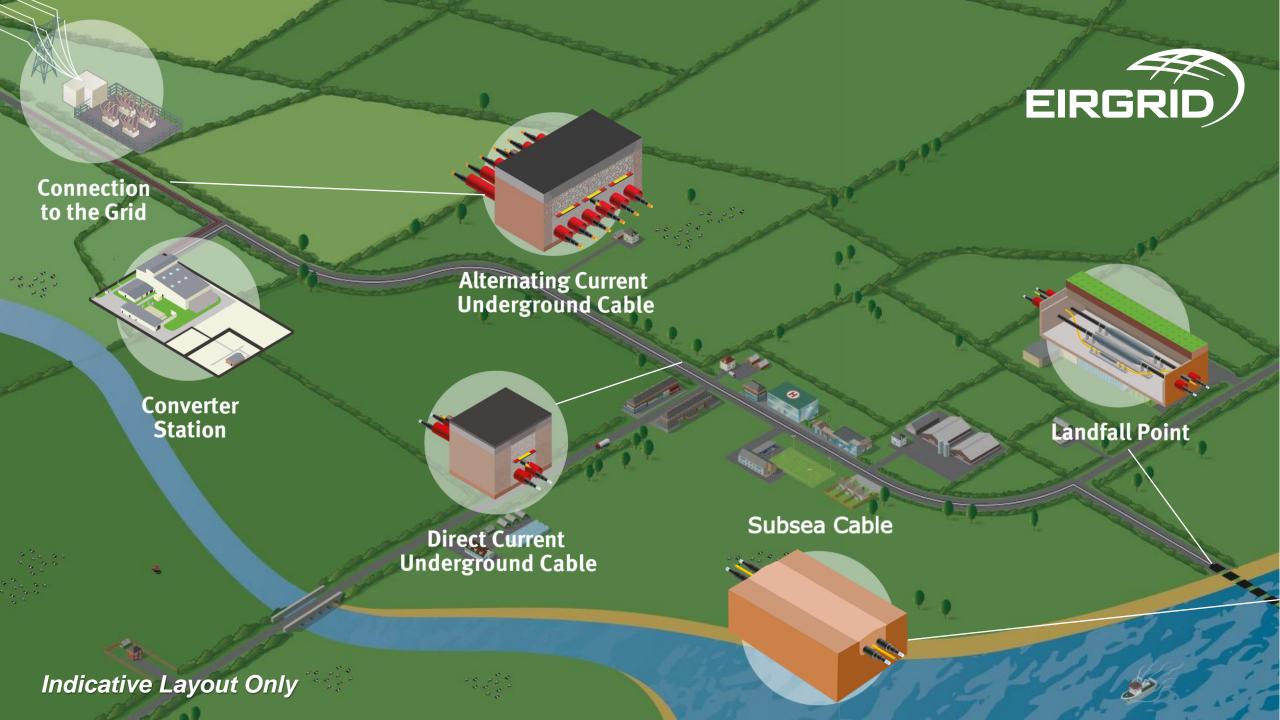
What is the Celtic Interconnector?

The Celtic Interconnector Project

Connecting the Electricity Grids of Ireland and France









The Project Roadmap

Steps 2 - 4

Steps 4 - 5

Initial Design & Detailed Design Preliminary Phase **Feasibility** Construction **Feasibility Description Pre-Consultation** & Consents Timetable 2011 - 2014 2014 - 2016 2016 - 2018 2019 - 20222022 - 2026 **Initial Design Marine survey Detailed Design Benefits Pre-Consultation Contract Award Project** EirGrid / RTE **Parameters EPC Procurement Project Work Technology Manufacturing Investment** Request **Streams Economic &** Consenting Costs **Energisation** Financial Analysis **Grant Application EirGrid Framework for Grid**

Step 1

Development



Step 6

Our Framework for Grid Development

Step 1
How do we identify the future needs of the electricity grid?

Step 2
What technologies can meet these needs?

Step 3
What's the best option and what area may be affected?

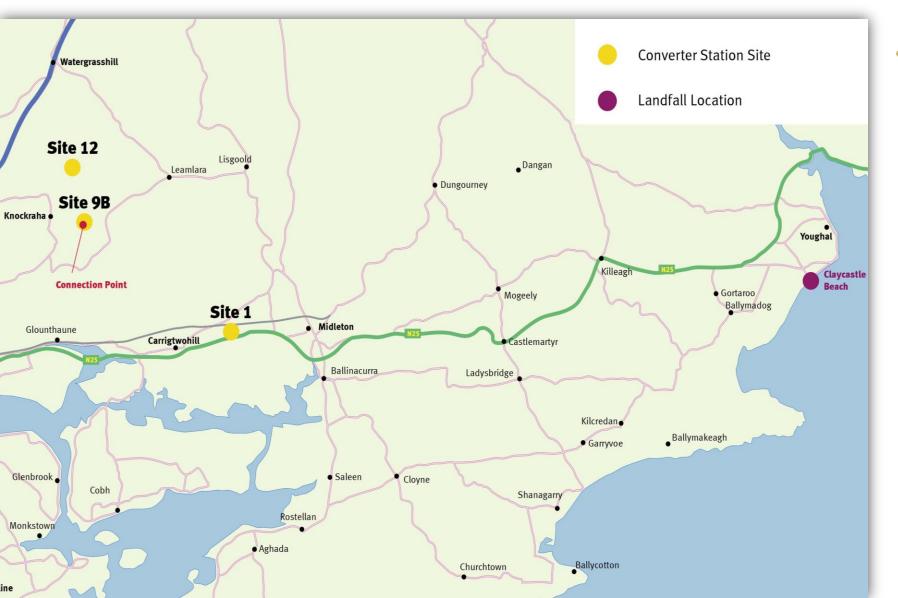
Step 4
Where exactly should we build?

Step 5
The planning process

Step 6
Construction,
energisation and
benefit sharing



Step 4 – What we consulted on



- Step 4 consultation respondents were invited to provide any missing or new information on:
 - Landfall location option
 - Converter station options and cable routes at:
 - > Site 1 Ballyadam
 - Site 9B Knockraha
 - > Site 12 Kilquane





What's happening now?

- We're still in Step 4: Where exactly should we build?
- Focussed investigations and assessments continue on
 - Converter Station Site 1 Ballyadam
 - Cable Routes
- We will make a decision on the best performing project option towards the end of 2020.





Project Update



Legend Submarine cable route FR Territorial Waters (12 NM limit) IR Territorial Waters (12 NM limit) UK Territorial Waters (12 NM limit) **EEZ Boundaries** Celtic Sea England 100 Km

Marine Route

- Approx. 500 km of subsea cable
- Route is outside UK territorial waters
- Landfalls in east Cork and Brittany
- Final assessments underway
- Preparing to apply for consents



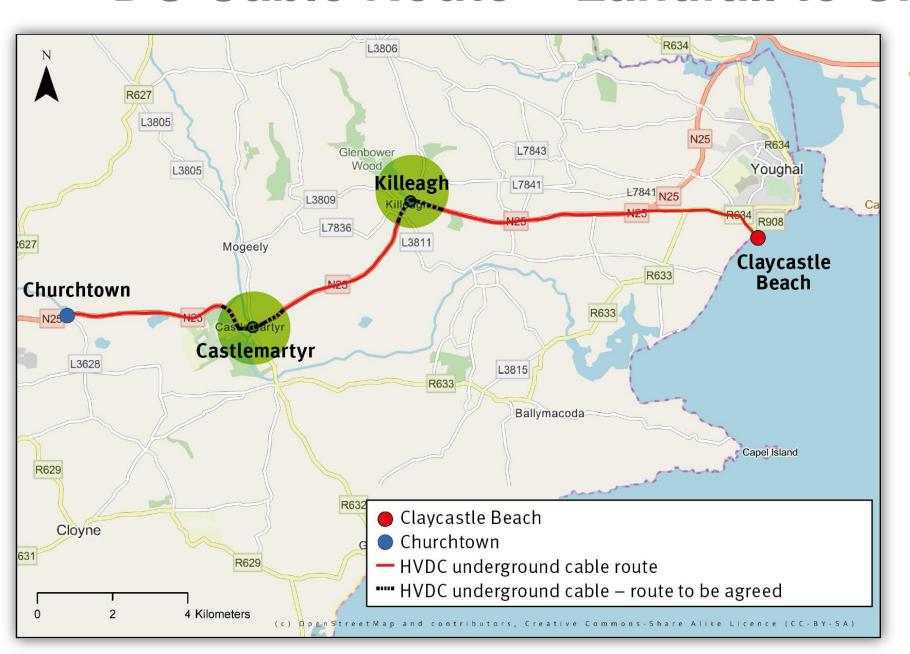


- Claycastle Beach, Youghal is emerging as the best performing option.
- The landfall point will be fully re-instated when work is complete.
- Subsea cable connection to underground cable will be buried behind the beach.

Rush North beach in Co. Dublin, landfall point for the East West Interconnector



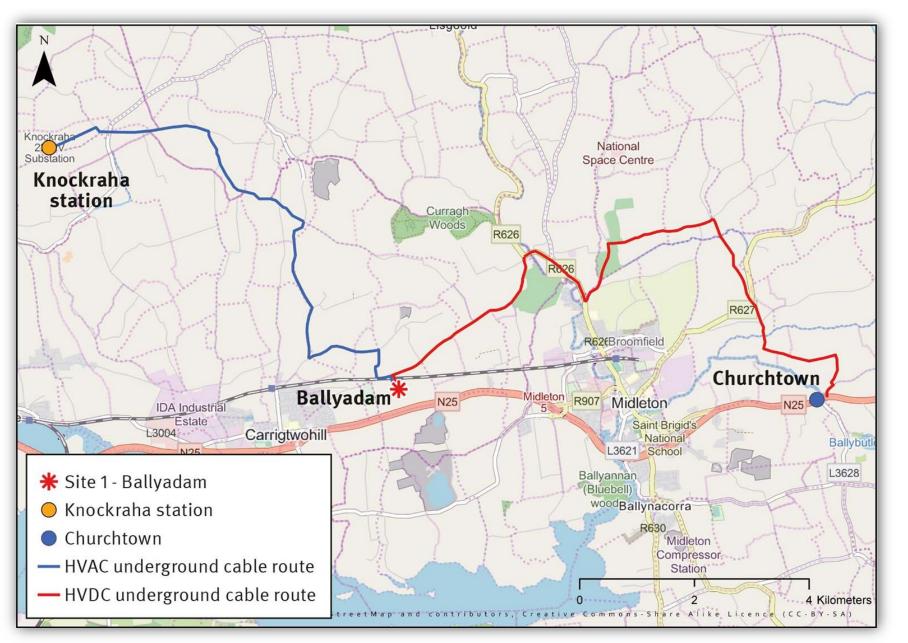
DC Cable Route - Landfall to Churchtown



- Route for this section still being assessed in:
 - Killeagh
 - Castlemartyr



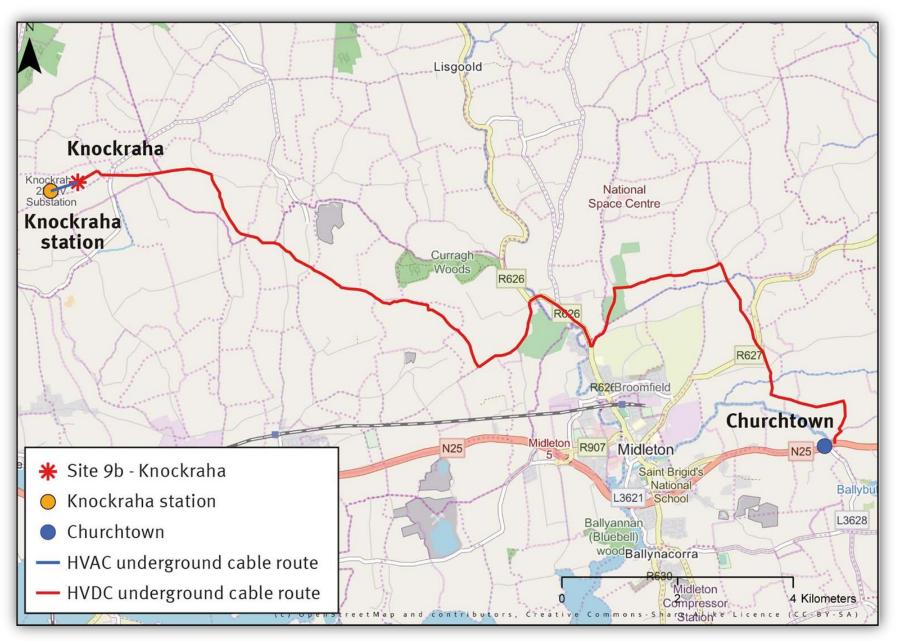
DC Cable Route - Churchtown to Ballyadam



- Route comes off N25 at Churchtown and onto local road network
- Final route will depend on choice of converter station site



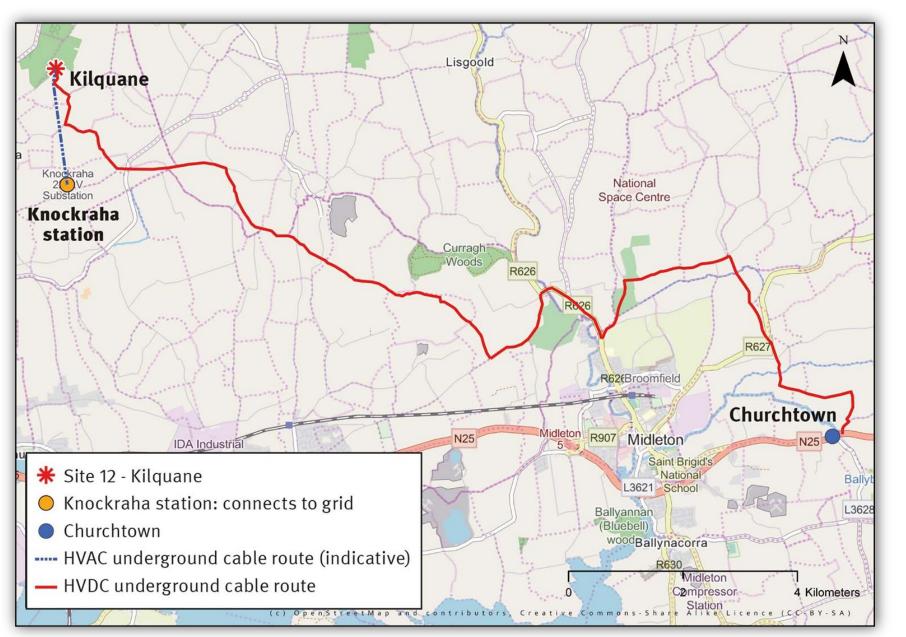
DC Cable Route - Churchtown to Knockraha



- Route comes off N25 at Churchtown and onto local road network
- Final route will depend on choice of converter station site



DC Cable Route - Churchtown to Kilquane



- Route comes off N25 at Churchtown and onto local road network
- Final route will depend on choice of converter station site







DC Cable

- DC Cable trench approx. 80cm wide
- Estimated construction rates:
 - >100m per crew per day on the N25
 - >50m per crew per day for local roads



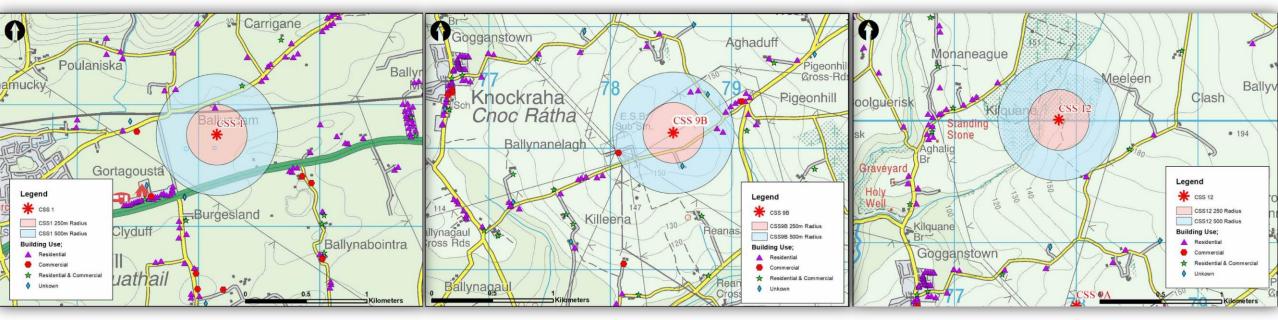


AC Cable

- From converter station to substation in Knockraha
- Route and trench will depend on final site of converter station
- Assessment of route and technology is ongoing



Converter Station Site



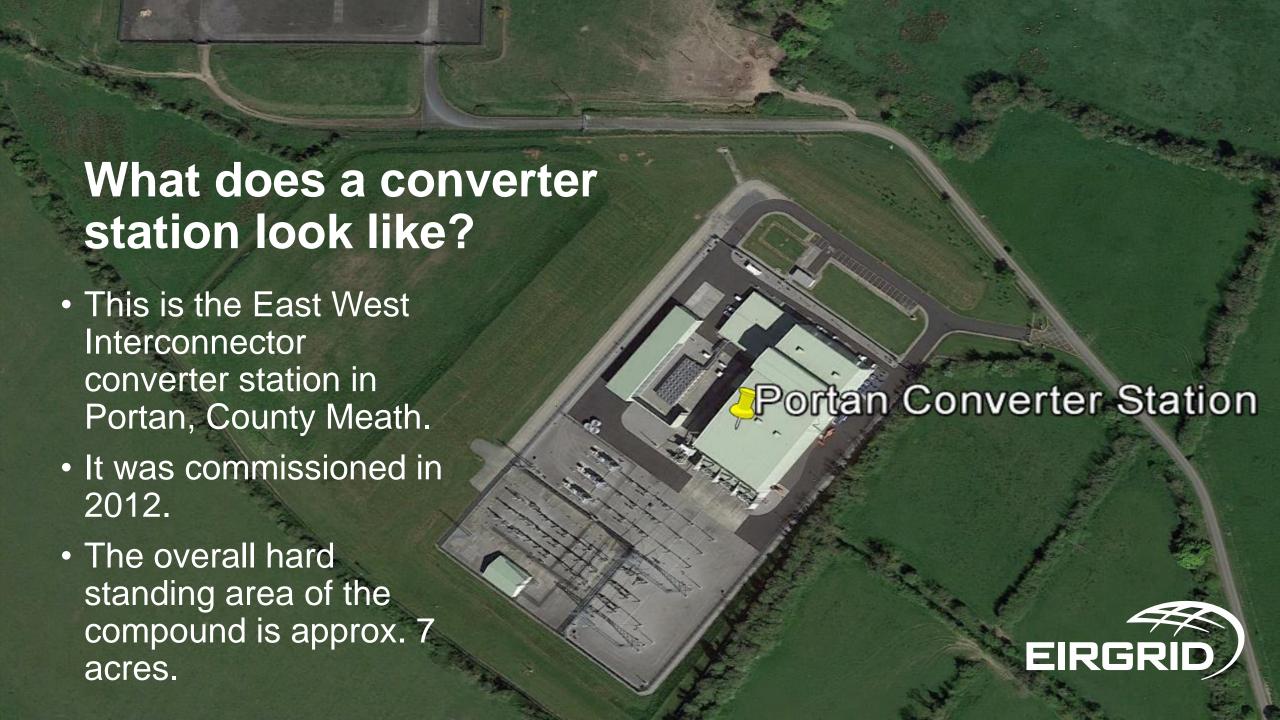
Converter Station Site 1 - Ballyadam

Converter Station Site 9B - Knockraha

Converter Station Site 12 - Kilquane

- Stakeholder feedback is at the centre of our assessment process
- Our focus is now on Converter Station Site 1 Ballyadam in Carrigtwohill, Co. Cork





What's happening now?

- Keep up to date at bit.ly/Celtic-Interconnector
- Register for updates at celticinterconnector@eirgrid.com
- Contact our Community Liaison Officers
 Michelle Walsh 085 870 4999
 Eoghan O'Sullivan 087 247 7732











