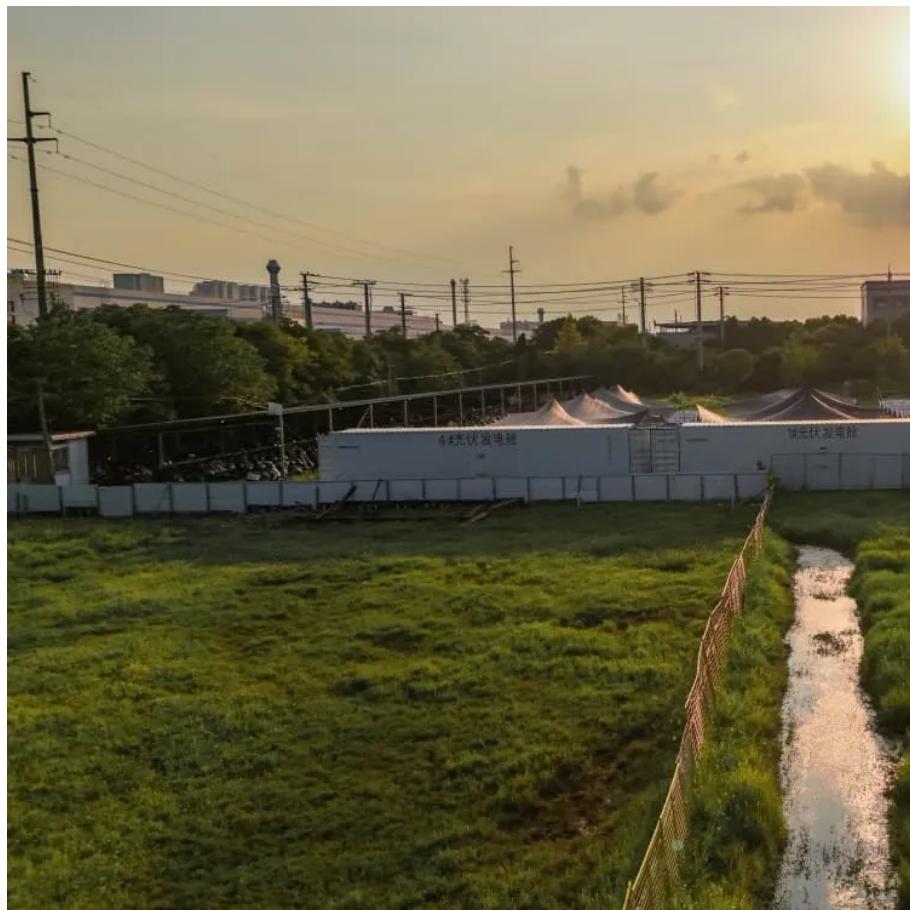




**GETON CONTAINERS**

# **Irish Communications Green Base Station Query**





## Overview

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Are green cellular base stations sustainable?

This study presents an overview of sustainable and green cellular base stations (BSs), which account for most of the energy consumed in cellular networks. We review the architecture of the BS and the power consumption model, and then summarize the trends in green cellular network research over the past decade.

What is a green communication initiative?

The green communication initiative primarily aims to improve the energy efficiency, reduce the OPEX, and eliminate the GHG emissions of BSs to guarantee their future evolution [ 2, 3 ]. Cellular network operators attempt to shift toward green practices using two main approaches.

Where does Greenlink connect to EirGrid?

At the Irish end of Greenlink's 200km span – 160km of which is under the sea – the interconnector connects into EirGrid's Great Island substation in Co Wexford.

Does ComReg publish radio spectrum licence information?

Update: Following the publication of Decision D23/24 regarding the publication of radio spectrum licence information, ComReg has updated its Siteviewer tool to publish, in addition to mobile licences, information regarding fixed radio link and satellite earth stations licences.



## Irish Communications Green Base Station Query



[Ireland Communications Green Base Station Power ...](#)

Are green cellular base stations sustainable? This study presents an overview of sustainable and green cellular base stations (BSs), which account for most of the energy consumed in cellular ...

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### Siteviewer

the location of every mobile network base station and antenna (the "apparatus"); the operators which own or controls the apparatus; and the types of mobile services (i.e. 2G, UMTS, LTE, or

...

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[Greenlink Interconnector to boost Ireland and UK energy ...](#)

An event, officially launching the new 320kV interconnector, took place today in Enniscorthy, Co Wexford, with attendees hearing how the latest connection between Ireland ...

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### Querying Stations

Query->Station Ping and Query->Station Trace:  
The path from the queried station to the querying station (using either the ?PING? or ?APRST queries) Query->Station Status: ...

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#### [Energy-Efficient Base Stations , part of Green Communications](#)

With the explosion of mobile Internet applications and the subsequent exponential increase of wireless data traffic, the energy consumption of cellular networks has rapidly ...

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#### **EirGrid Group plc**

The Smart Grid Dashboard is an EirGrid Group web-based application that enables users to view and compare some of the key all island power system statistics and graphs in ...

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#### [Green and Sustainable Cellular Base Stations: An Overview ...](#)



Energy efficiency and renewable energy are the main pillars of sustainability and environmental compatibility. This study presents an overview of sustainable and green cellular ...

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Research shows higher rates of illnesses and cancers in those living near mobile masts and base stations. One study has shown that the risk of developing cancer for those living within 400 metres o...  
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[Summary , Greenlink](#)

The Project Non-Technical Summary Greenlink is a subsea and underground electricity interconnector cable (with associated converter stations) linking the existing electricity grids in ...

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