

Role of Gas in CO₂ Reduction

Brian Murphy, European Affairs Manager

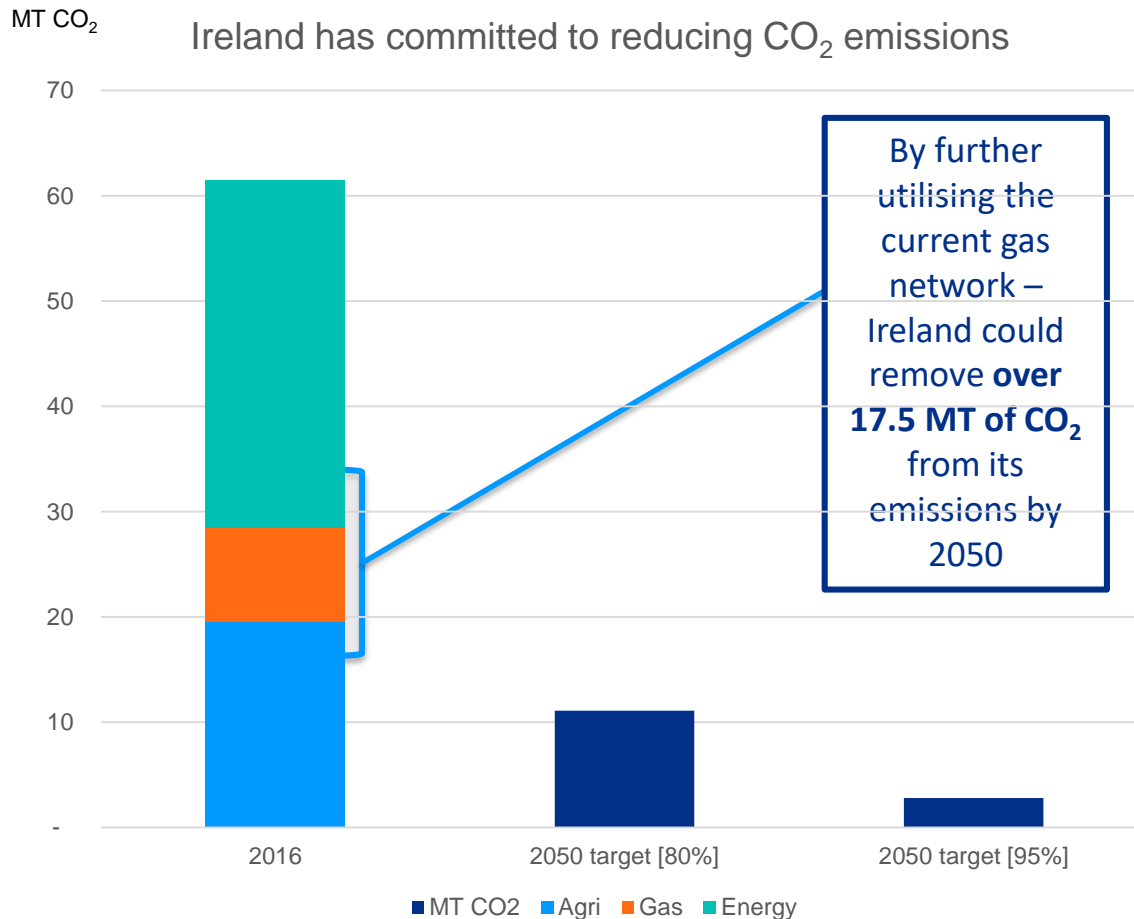
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Introduction to Ervia

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The Gas network is essential to meet climate targets



All this can be achieved using the gas network:



At lowest cost to consumers & exchequer



With the least disruption to the end-users, while utilising existing assets



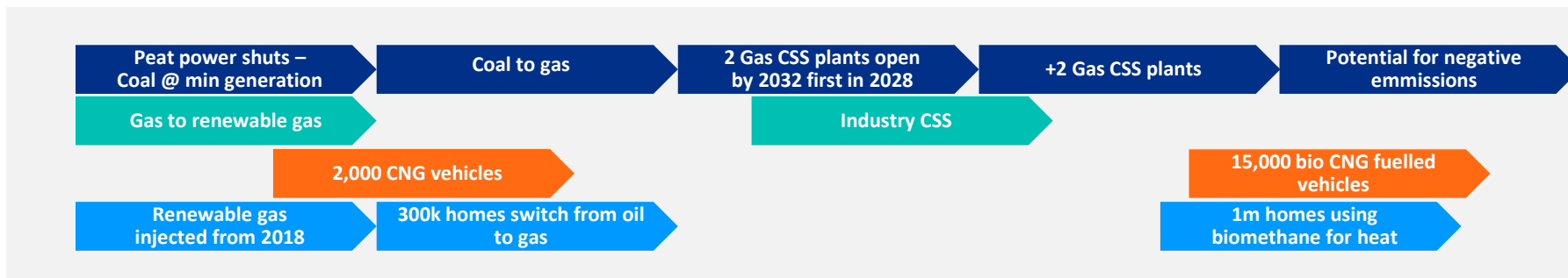
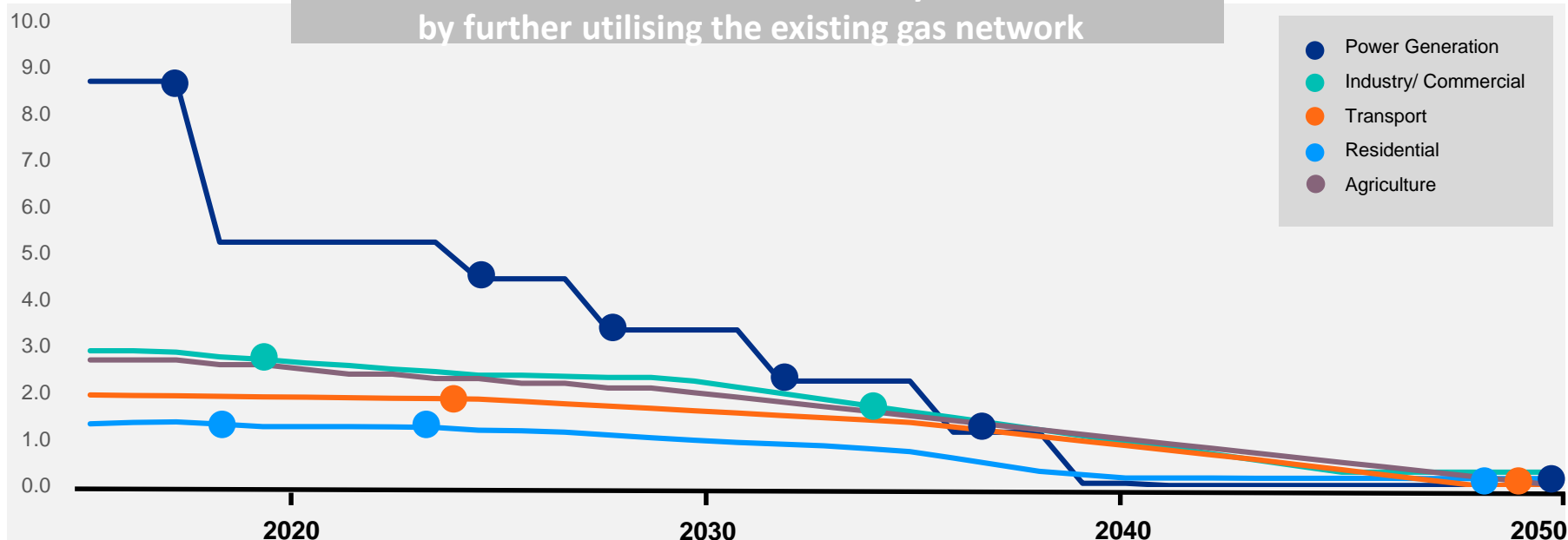
While enhancing Ireland's security of supply



While providing significant jobs to rural Ireland

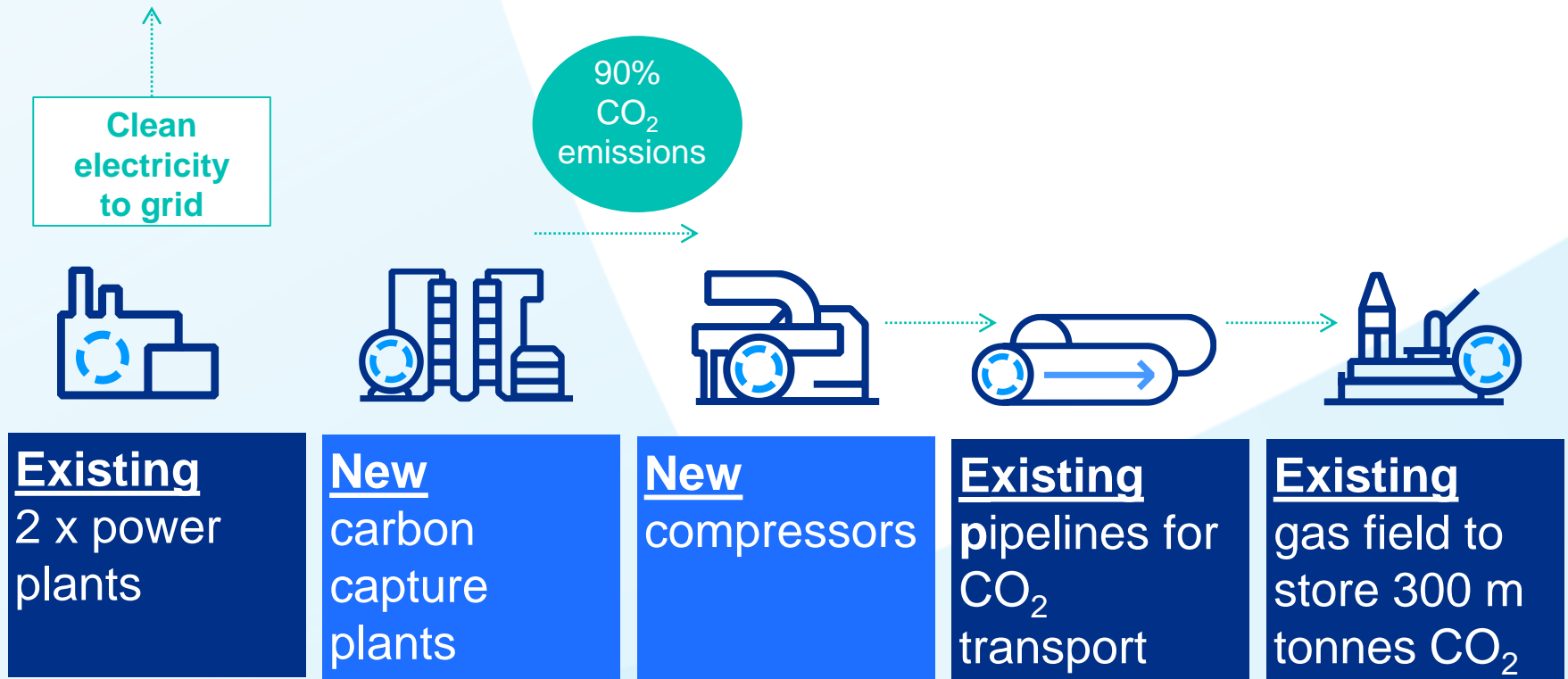
A vision for 2050 decarbonisation utilising the gas network

Ireland's emissions could be reduced by 17.5 MT in 2050
by further utilising the existing gas network



Overview of Cork CCS Project

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Could provide exemplar, low cost CCS project for Europe

Where is the project located?

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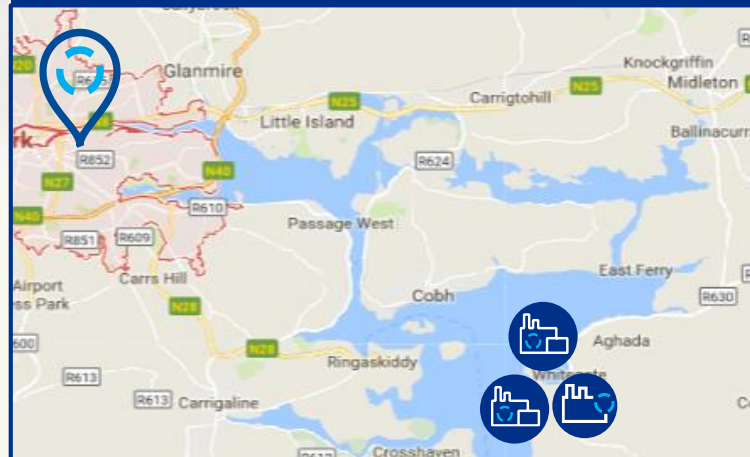


Ireland

Close to Cork city

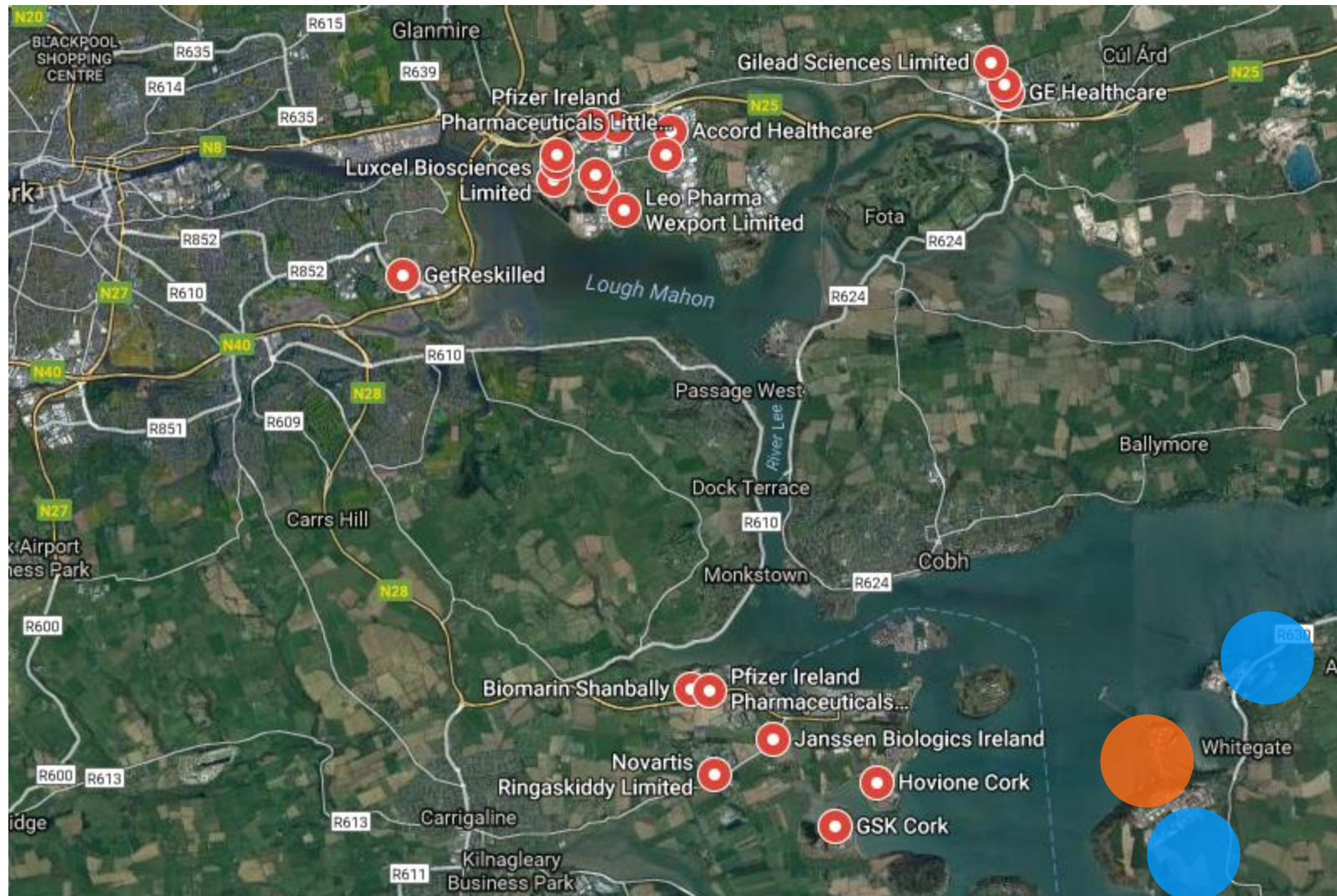
Depleted, offshore, low pressure gas field.

Two gas-fired CCGTs and an oil refinery.



Potential for CCS industry cluster

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What can 1st phase of Cork CCS achieve for Ireland?

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2.5 million
tonnes of CO₂
p.a. equates to
any one of the
following....

Removing
1.1 million
cars from
Irish roads



Emissions
from 750,000
oil heated
homes



Emissions
from 925,000
cows



Over 100,000
full flights
between
Dublin &
Brussels



Emission
savings from
all wind
turbines in
Ireland

