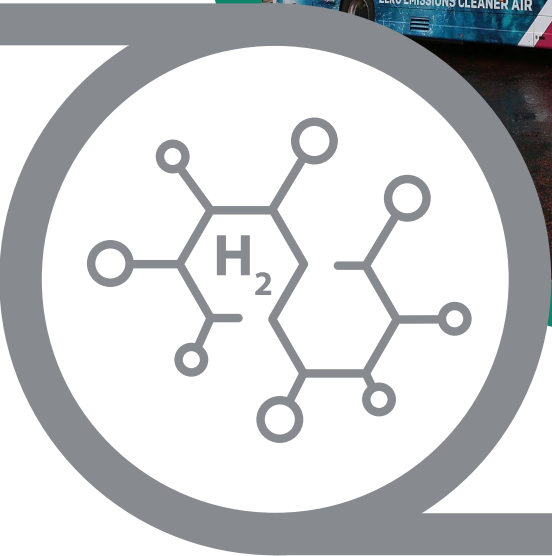


HYDROGEN

– FUELLING THE FUTURE



LEADING THE FIELD IN
SUSTAINABLE WASTE MANAGEMENT

INDAVER GROUP IN EUROPE

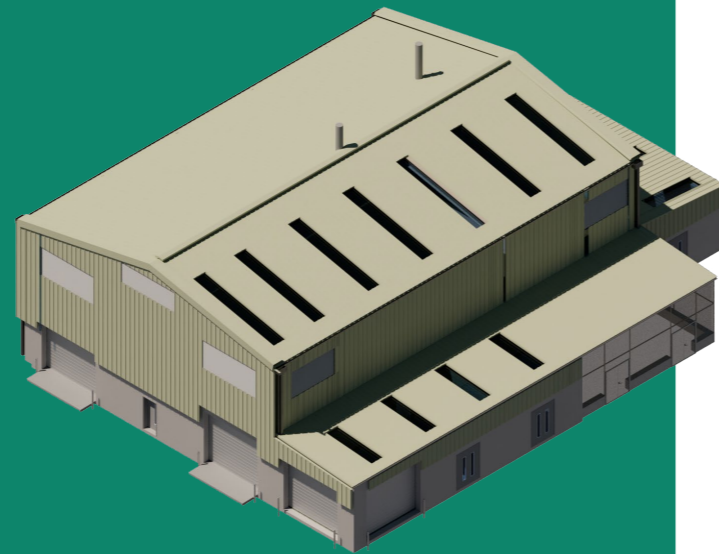
Indaver has sites and specialist facilities in several European countries. We manage waste, focusing on the sustainable recovery of energy and materials and do so efficiently thanks to innovative systems.



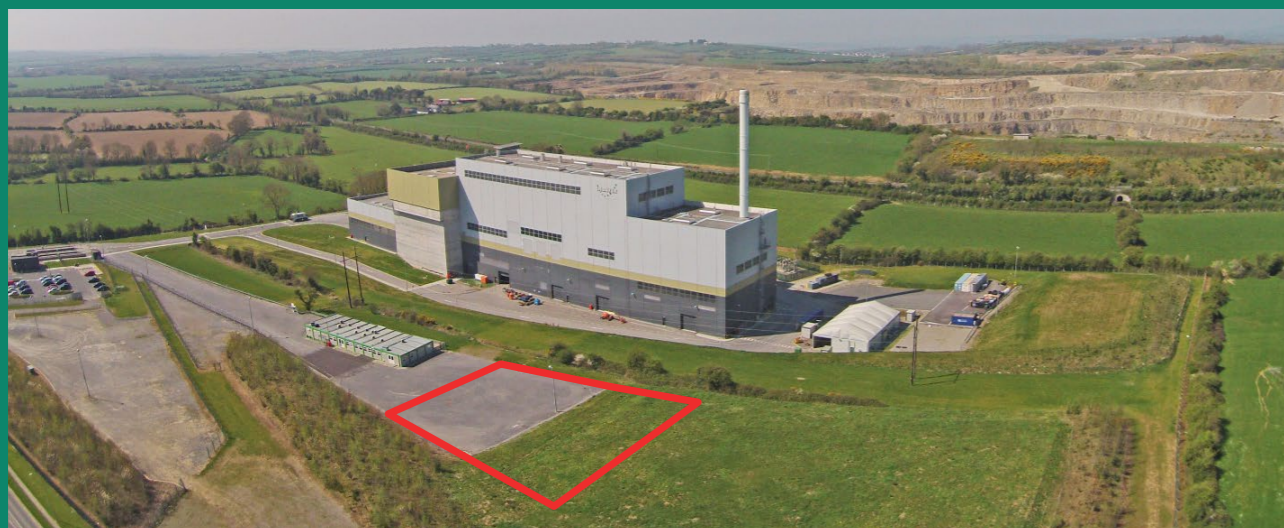
INDAVER'S PLANS FOR HYDROGEN PRODUCTION IN MEATH

At Indaver's existing Energy from Waste facility in Duleek in Meath, we have been managing and treating non-recyclable waste since 2011. We recover materials from this waste and supply the energy generated to the national grid, creating further value from waste that would otherwise be landfilled.

We have a vision to further develop the decarbonisation benefits of our facility through the production of hydrogen fuel from the energy generated. We have planning permission and plans to build a 10MWe Hydrogen Generation Unit (HGU).



Proposed Hydrogen Generation Unit building



Current view of Meath plant with proposed hydrogen facility location outlined.

WHY IS HYDROGEN THE ANSWER?

With commitments to cut the net level of greenhouse gas emissions to zero by 2050, our continued reliance on fossil fuels has to change as the effects of our current energy system negatively impacts the climate and the world we live in. Many people believe renewable energy generation is the answer.

The issue with most renewable energy is that it is variable and can be subject to curtailment due to lack of storage capacity. Hydrogen has

the potential to use, and more importantly store this excess renewable energy when curtailment occurs. This will ensure that we maximise the value of the energy contained in non-recyclable waste.

Hydrogen-based energy systems can revolutionise key sectors such as transport, energy production and industry and help move Ireland and the UK to a sustainable, decarbonised energy economy.



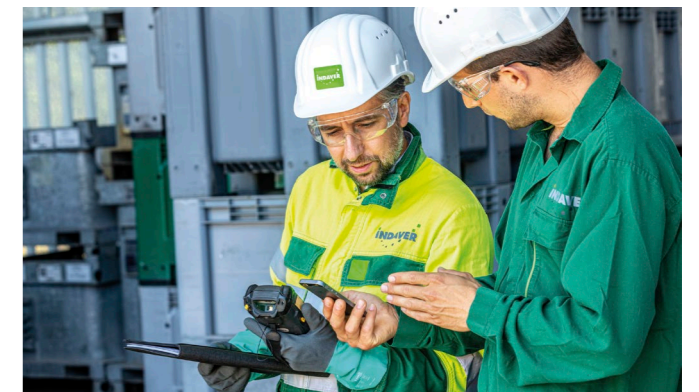
Hydrogen has the potential to decarbonise the public transport network - Translink currently operate 23 hydrogen fuelled buses in Northern Ireland.



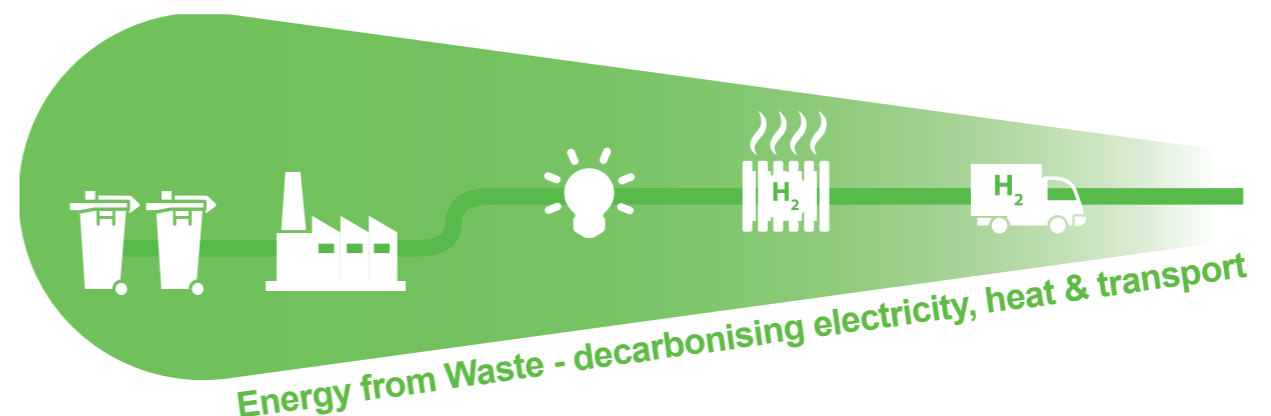
Hydrogen has the potential to play a major role in decarbonising the existing gas networks across the island of Ireland.



Hydrogen can be widely used as a raw material in the chemical industry.

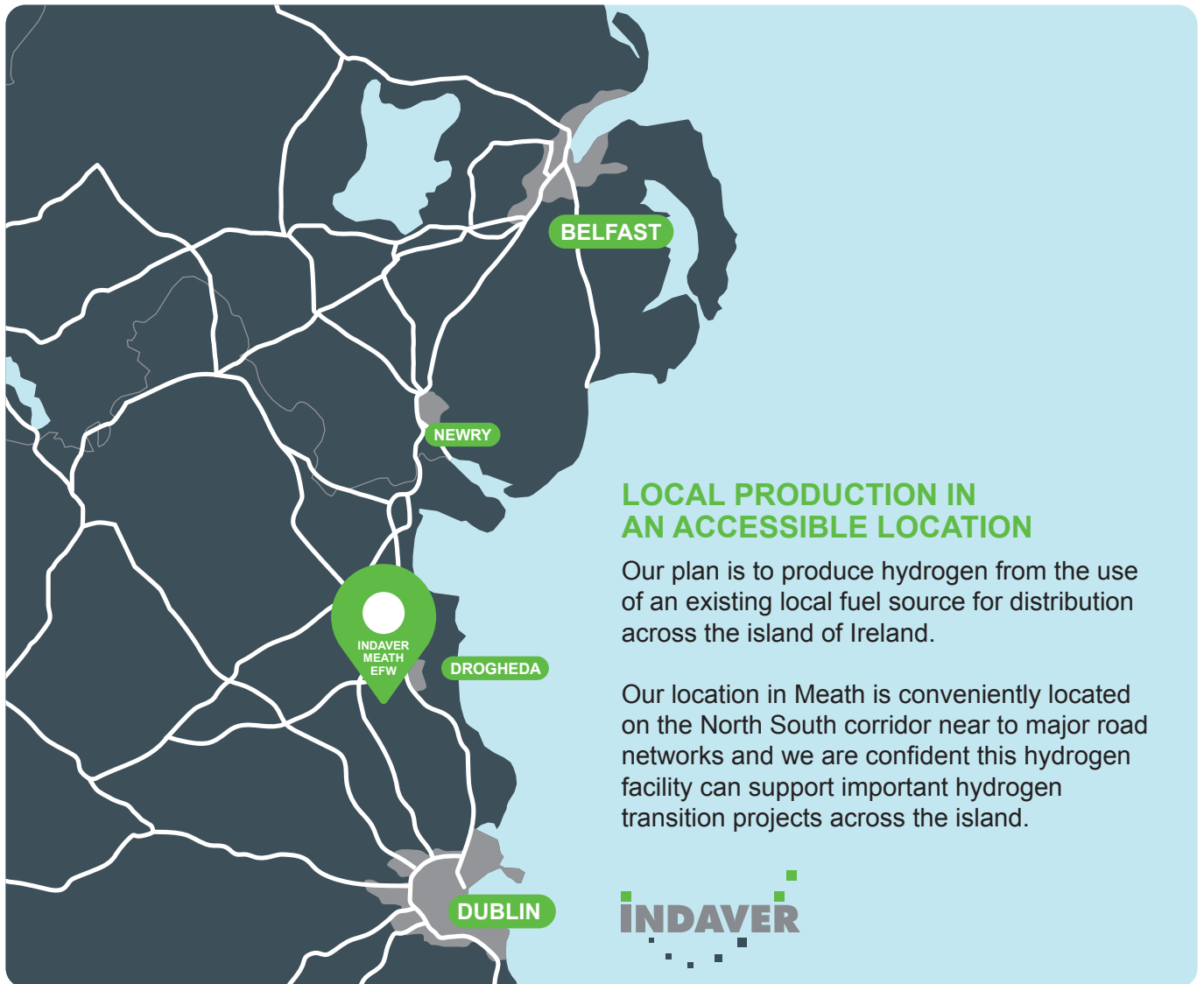


Hydrogen can be a substitute fuel in industrial processes.



NEXT STEPS

By policy makers, producers, technology providers and customers working together Indaver believes that hydrogen will grow to become a key foundation of a sustainable energy system here on the island of Ireland.



LOCAL PRODUCTION IN AN ACCESSIBLE LOCATION

Our plan is to produce hydrogen from the use of an existing local fuel source for distribution across the island of Ireland.

Our location in Meath is conveniently located on the North South corridor near to major road networks and we are confident this hydrogen facility can support important hydrogen transition projects across the island.



CONTACT

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