

Green Hydrogen An Opportunity for Cork!

EIH₂

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- Founded in 2021 by Pearse Flynn
- Green Hydrogen Project Developer
- Green Hydrogen Solutions Company – Enterprise Ireland Green Services Provider
- Sister Company to Green Rebel (Marine, Aerial & Met Ocean)

EIH2's mission

#1 Act as a pivotal leader accelerating Ireland's **renewable deployment**

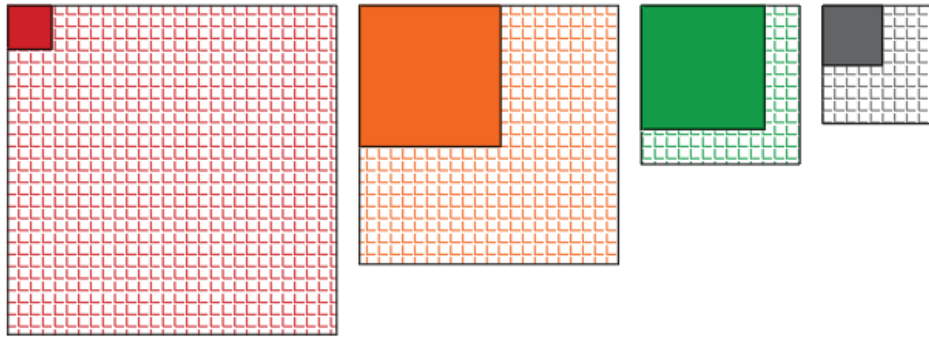
#2 Increase Ireland's **security of energy supply**

#3 Play an instrumental role in **decarbonising electricity, transport, industry and heat**

Ireland's Energy Supply and Security

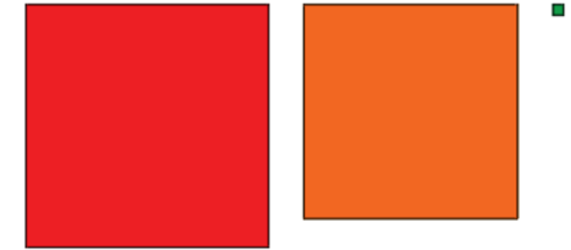
Energy Sources Comparison

Source: Energy In Ireland 2022 Report
SEAI



	Units	Key	Oil	Gas	Renewables	Coal
Primary Energy	GWh		82'386	50'985	19'189	10'629
Electricity Generation			1'454	15'153	11'618	2'721

Strategic Energy Reserve's Ireland



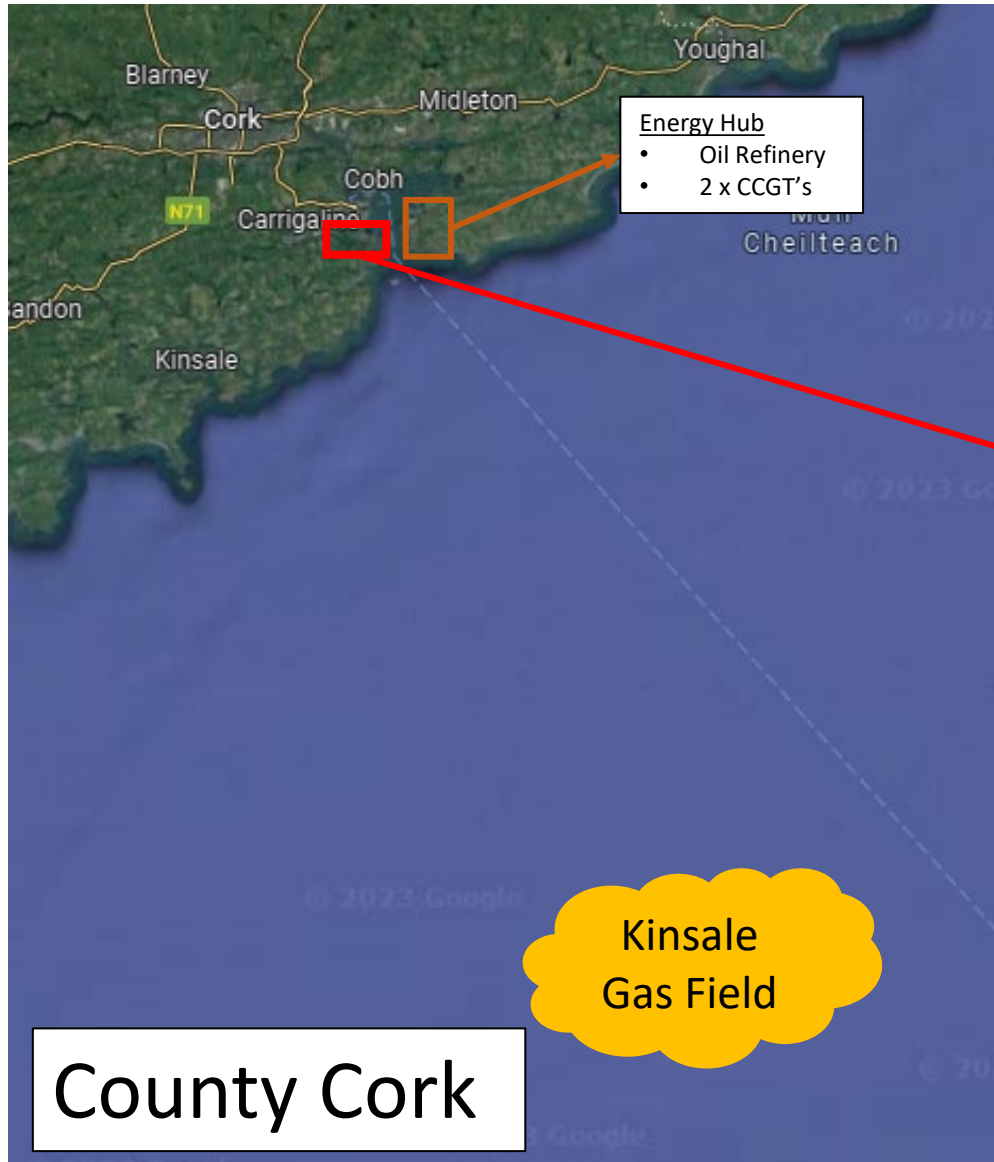
	Units	Oil (NORA)*	Gas (Corrib)**	Electricity***
Stored Energy	GWh	18'804	14'630	35

*National Oil Reserve Agency

**2021 Throughput of the Corrib Gas Field - SEAI Energy In Ireland 2022

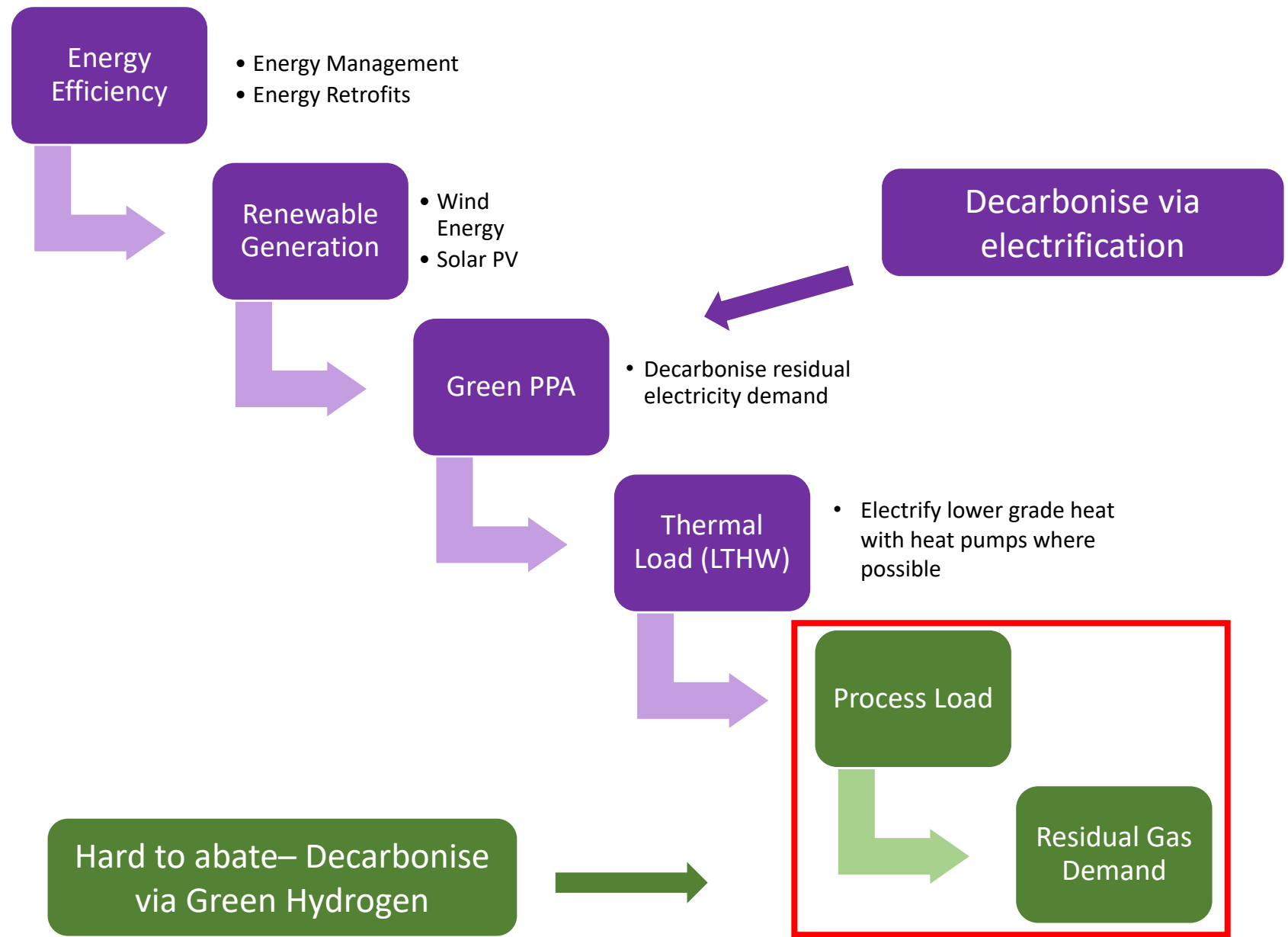
***Includes: Pumped Hydro - Turlough Hill (1.7 GWh), Pumped Hydro - Silver Mines (1.8 GWh) & Battery Storage (31.7 GWh - Varied Scenario - Game Changer ESI Report)

Hydrogen For Cork

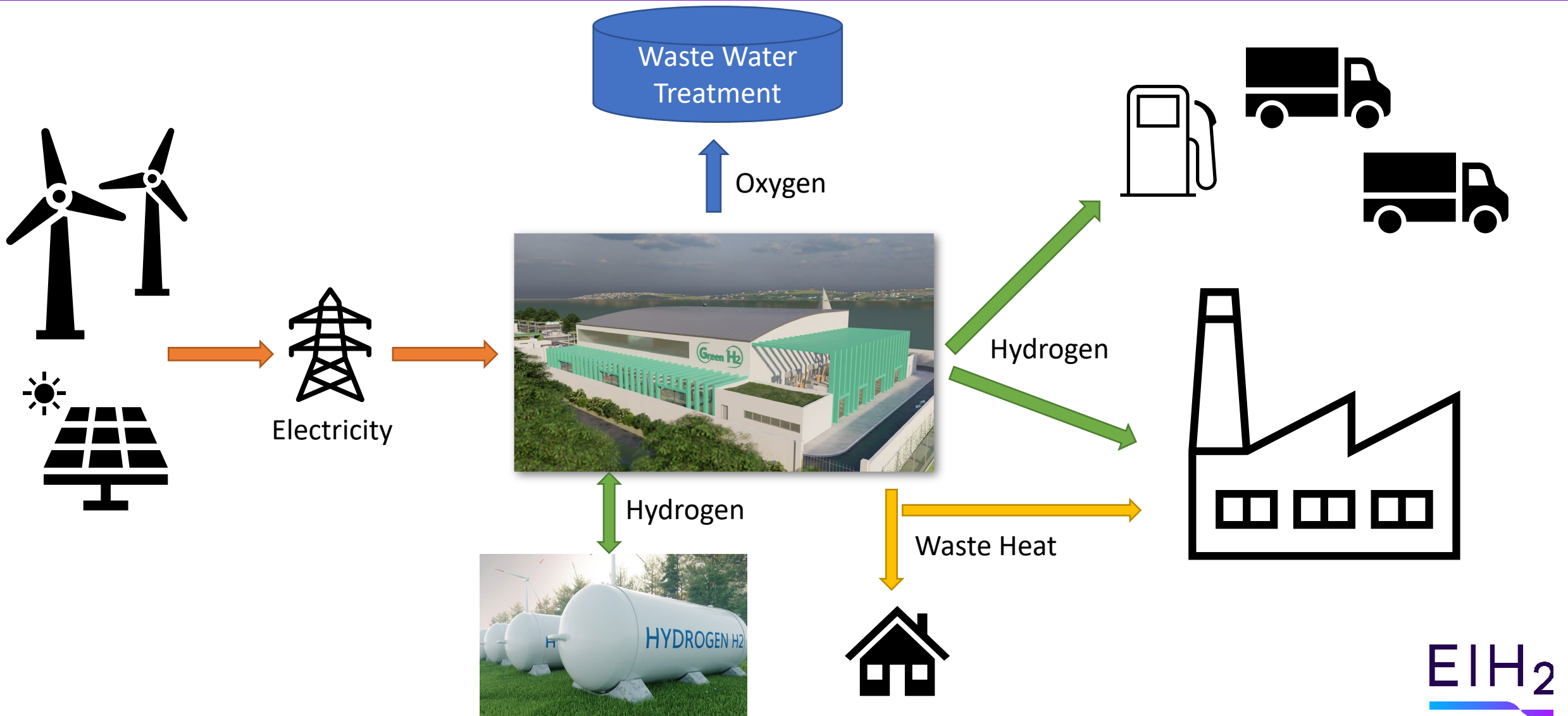


- Pharmaceutical Cluster
- Port of Cork
- MAREI

Path to Carbon Neutrality - Challenges for Large Energy Users



Hydrogen Valley - Ringaskiddy



Benefits

