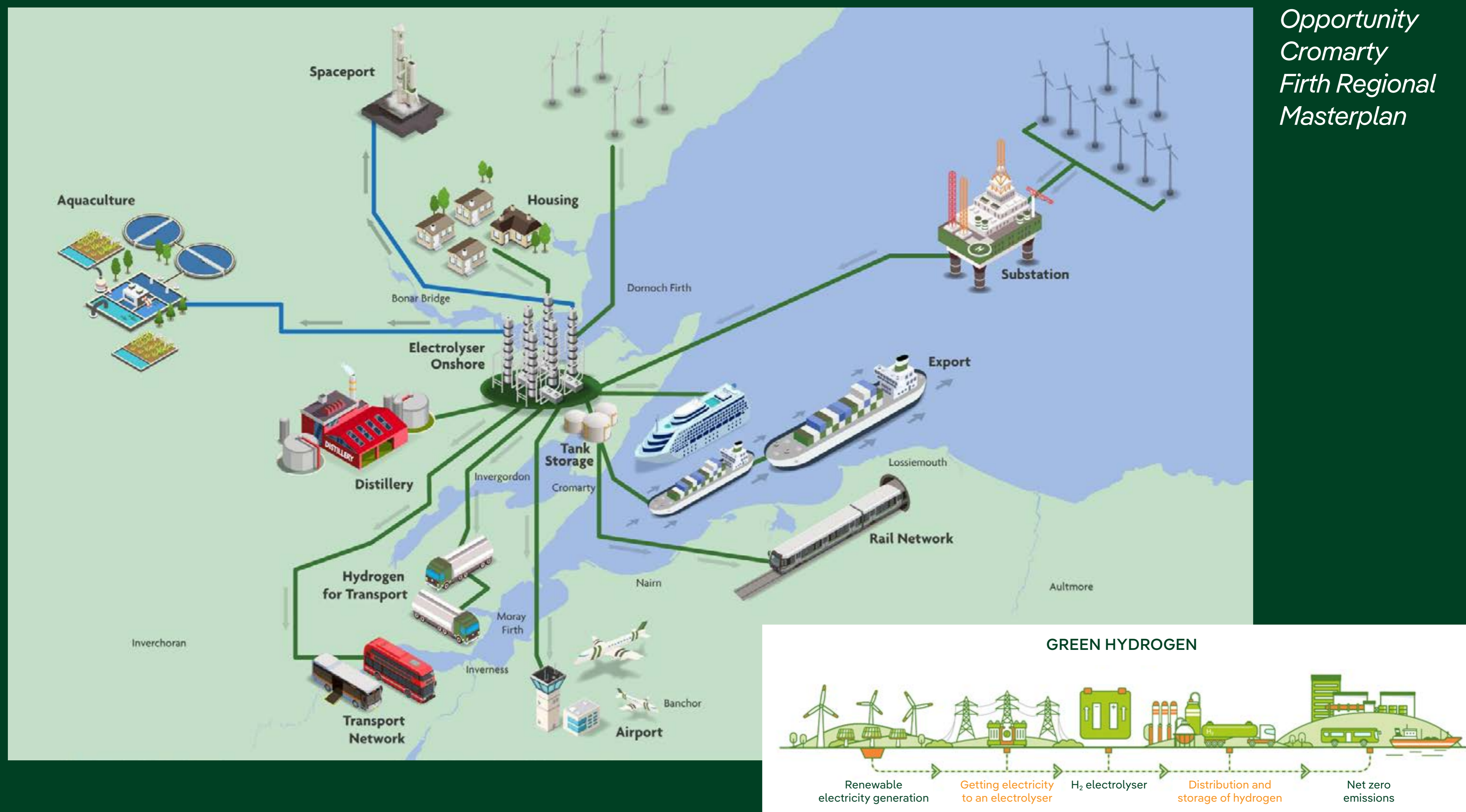


# Project background

*Opportunity  
Cromarty  
Firth Regional  
Masterplan*



**This Proposed Development would form part of the North of Scotland Hydrogen Programme recognised in the Scottish Government's Hydrogen Action Plan.**

The North of Scotland Hydrogen Programme is a strategic programme in line with the Scottish Government's resolve to achieve Net Zero greenhouse gas (GHG) emissions by 2045 and the UK Government's ambition by 2050. The programme is aimed at developing hydrogen production hubs across the North of Scotland to supply hydrogen, initially to meet industrial and heavy goods vehicle (HGV) transport demand in the near term and then expanding to cater to additional hydrogen demands in the future.

The Cromarty Hydrogen Project is the first project in the Scotland Hydrogen Programme. It originated from a collaboration between the Port of Cromarty Firth, ScottishPower, Glenmorangie, Whyte & Mackay and Diageo and the project originator, Storegga during the feasibility stage. This project is looking to develop a green hydrogen production hub in the Cromarty Firth region and revolves around the local distilleries forming the baseload demand for early phases of the project, which would enable them to decarbonise in line with their own ambitions and sector targets.

## Why Green Hydrogen?

Green hydrogen gets its name because the process to create the hydrogen is powered by renewable energy sources like solar or wind power. These renewable sources power an electrolyser, which separates water into hydrogen and oxygen gases and then the hydrogen can be used, distributed or stored.

We are committed to helping the UK decarbonise and reach its net zero targets. While electrification offers much of the solution, there are still some parts of the economy that are hard to electrify, and that's where green hydrogen comes in. Green hydrogen is incredibly versatile and can be used to support a variety of industries such as steel works, distilleries, heavy-duty transport and businesses using high-temperature processes.

To enable us to reach these climate change targets, we need to start developing and delivering green hydrogen now to the places where electrification can't reach.