

H₂

capital hydrogen

H2Terminals – Case Study



Cadent
Your Gas Network

 **national
gas**

 **SGN**
Your gas. Our network.

Company Overview

Founded: 2024

Industry: Hydrogen producer

Location: H2Terminals' flagship location is their offshore renewable energy and hydrogen production facility

Jobs: Varied range. H2Terminals will be employing key staff in finance, engineering, project management, and operations in 2026.

Introduction

H2Terminals is committed to revolutionising the marine based green hydrogen supply chain by decentralising production and distribution processes. They aim to deliver cost-effective, reliable, and scalable low carbon hydrogen that can empower businesses and nations to achieve their sustainability goals.

They specialise in marine-based hydrogen infrastructure, alongside transportation infrastructure that aims to cope with high-frequency distribution schedules while strengthening the clean energy supply chain.

H2Terminals have recently signed a Memorandum of Understanding (MoU) with Cadent to supply hydrogen through the East London Hydrogen Pipeline (ELHP). This will see H2Terminals provide green hydrogen from its offshore Energy Island project, located in the North Sea, which will be liquefied and transported by specialised vessels to terminals on the Thames Estuary.

Commitment to sustainability

H2Terminals' offshore energy vessel is dedicated to producing green hydrogen using diverse renewable sources. It utilises the power of wind, solar and wave energy at its location in the North Sea to maximise production capacity while minimising its environmental impact.

The production capacity is located strategically closer to demand centres to reduce transportation costs while enhancing energy security. Their solutions bypass the need for extensive grid connections, accelerating the adoption of green hydrogen technology while significantly reducing carbon emissions across the entire supply chain.

The opportunity to supply green hydrogen through the ELHP will move us one step closer to a pipeline that can deliver green energy to industrial consumers in Central East London.

Future goals

H2Terminal's near-term strategy is to seek hydrogen off takers from marine and datacentres. Mid-term, their strategy is to support heavy industry should they win a HAR3 allocation. Longer-term, H2Terminals aim to be ready for a Cadent hydrogen supply out to multiple industries. This strategy is closely linked with their finance plans by signing hydrogen supply and power purchase agreements on a long-term fixed price basis to ensure high volume continuous hydrogen supply. This will enable development funding and set the company on a path for large

scale infrastructure investment. Our long-term aim is to develop a Floating Hydrogen Utility and Virtual Power Plant, providing services to urban, industrial, and municipal clients throughout the Thames estuary. As such, H2Terminals believe hydrogen will form a new paradigm in zero energy supply by supporting a wide range of utilities, democratising power for industry and communities.

“We face a challenging yet rewarding task of being in the vanguard of a nascent new energy paradigm. Strong government support will help enable this transmission, but it will ultimately be new technology and manufacturing excellence combined with commercially viable solutions that will drive acceptance and market adoption.”

- **Gerry Wilkinson, CEO at H2Terminals**

