



# Manston HTE

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## Dear Resident,

Hydrogen Transition Energy (HTE) is inviting you to find out more about its emerging plans for a new waste-to-hydrogen facility in Manston, Kent. The project will be the first of its kind in the UK and forms part of HTE's ambition to support cleaner energy generation, local job creation and a more sustainable future for the area.

We are holding an initial engagement exercise on Saturday, 24 January 2026, where you can learn more about HTE and our proposals. Attendees will also be able to ask questions directly to members of the project team. Details of the event are included below.



# HTE

HYDROGEN TRANSITION ENERGY

## About Hydrogen Transition Energy (HTE)

HTE is a British clean-tech company focused on addressing waste management and carbon emissions challenges currently faced by the UK. It is a leading developer in the delivery of a cleaner, smarter future by transforming non-recyclable waste into clean, Fuel Cell grade hydrogen.

Using cutting-edge technology, HTE transforms non-recyclable waste into hydrogen, captured CO<sub>2</sub>, and a waste product for use in construction. This process not only diverts waste from landfills and incinerators but also generates low-carbon hydrogen to power the industries and transport systems of the future.

Working in partnership with councils, businesses and communities, we are planning to develop the UK's first waste-to-hydrogen facility in Manston, Kent. Alongside the benefits that this will bring in terms of turning non-recyclable waste into valuable energy, we will also be creating skilled local jobs and building a more sustainable future for Thanet and Kent more widely.



## About the site

The site forms part of a larger parcel of land located to the west of Manston Road. It is adjacent to other commercial and industrial businesses off Manston Road, including logistics, distribution, reclamation and industrial organisations.

Strong transport connections include easy access to the A299, which links directly to the A2 and M2 motorway, connecting Manston with Canterbury, Dover and the wider Kent road network. The site is also within a mile of Manston Airport and around 30 minute drive from the ports of Ramsgate and Dover, providing a well-connected location for the movement of materials and clean hydrogen.

## About the proposals

Our facility will transform household and commercial non-recyclable waste into hydrogen fuel, reusable CO<sub>2</sub> for industry and a safe waste product for construction.

Delivering exceptionally low emissions and operating with high energy efficiency, the plant is virtually self-sustaining. It will use a specialist waste-to-hydrogen process, which is powered by InEnTec's ®Plasma Enhanced Melter (PEM) gasification technology - a proven approach already producing high purity, fuelcell grade Hydrogen at the Columbia Ridge (ICR) facility in Oregon, USA.

This approach helps to reduce the amount of waste that would otherwise go to landfill or be incinerated and reduces emissions. It also keeps more value within the local area - by processing waste locally and using the hydrogen and materials to directly benefit Kent's local economy and services.

An innovation and education centre is also proposed as part of the plans and will serve as a hub for highly skilled individuals working in the hydrogen energy sector. This centre will provide training and information to both the future and existing workforce on renewable energy projects.

The site has been thoughtfully designed to enhance local biodiversity, while collaboration with the Health and Safety Executive will ensure the facility exceeds all safety standards, underscoring its commitment to responsible development.



## Engagement

A comprehensive engagement programme has been created for the proposals. We will initially be kicking the engagement activity off by hosting an in-person consultation event which will provide an opportunity to meet the project team and learn more about the proposals. Details of the event have been provided below:

Date: **Saturday 24th January 2026**

Time: **9:30am - 2pm**

Address: **Manston Village Hall, Preston Rd, Ramsgate CT12 5BA**

We are committed to engaging openly with the community as our plans progress and we welcome your thoughts on how this project can best deliver benefits for Manston and the wider area.

If you have any queries, we invite you to contact our project team at **0800 080 3162** or by email at **HTEManston@devcomms.co.uk**. Your comments are valuable to us and we will respond promptly to any enquiries.

More information can be found on **hte-manston.co.uk**, which also contains a Frequently Asked Questions page. You can access the website by using the link below or by scanning the QR code.

