Frequently Asked Questions:

• Is the project classed as industrial development?

No. Horticulture is described under the 1947 Agriculture Act as being part of agriculture.

- What is the relationship with Indaver?
 Indaver and OHV share a commercial relationship with the former providing heat, CO₂ and electricity to the greenhouse.
- What is the relationship with Wren Renewables?
 Wren Renewables is the landlord.
- What is the access to the site?
 All construction and operational traffic servicing the greenhouses will come from the A120 via the road serving the IWMF.
- What jobs are being created?
 500 jobs will be created once the greenhouse is fully operational.
- Is there going to be a crèche facility on the site?

Yes. It is the intention of OHV to provide an on-site crèche facility for workers. This will be subject to a separate planning application. Are any of the greenhouses going to have grow lights?

Yes. The northern greenhouse will have grow lights. This will allow OHV to plant crops in August to provide retailers winter produce. Greenhouses with grow lights will be fitted with blackout blinds which are proven to mitigate 99% of light egress.

- Will the site produce any agriculture run-off?
 No. The growing of fresh produce within the greenhouses is undertaken in a closed loop hydroponic system with all water run-off captured, cleaned and re-used.
- Will the site exacerbate flooding in the area?

 No. All water falling on the roofs will be captured in reservoirs and used for growing.
- Will footpaths access still be available?
 Yes. There will be some amendments
 to current routes, but the plan will see
 an increase in footpath lengths over the site.
- Will there be any noise from the site?
 No. Aside from routine noise from vehicular movements, minimal noise from operating the greenhouses will occur within the structures.



Rivenhall Low Carbon Greenhouse

Safeguarding our future by re-shoring UK Fresh Produce Production and delivering a horticultural eco-system.



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O A STHOUSE VENTURES

Project Overview

- OHV plans to develop a 40-hectare series of low-carbon greenhouses on previously quarried land at Bradwell, to the East of Braintree, Essex.
- The quarry offers a unique situation, where waste heat and CO₂ can be utilised by the greenhouses. We will do this through a collaboration with the Indaver Integrated Waste Management Facility (IWMF), which is currently under construction.
- The greenhouse will provide 420 full-time jobs and 80 part time jobs.
- The greenhouse will inject circa £300 million into the Braintree economy from full-time salaries in the first 20 years of operation.
- The construction phase will inject circa £4.14 million into the local hospitality sector.
- Once operational the greenhouse will provide an annual injection of circa £600,000 into local agriculture supply businesses.
- The greenhouse will produce 28,194 tonnes of tomatoes per year, offsetting 7.1% of UK tomato imports from Southern Spain, Morocco and Holland.
- The project aims to convert the existing Wallace Hanger into a hi-tech vertical farm capable of annually producing 375 tonnes of leafy greens.
- The greenhouse delivers an operational blueprint for Essex County Council and Braintree District Council's respective climate change strategies.

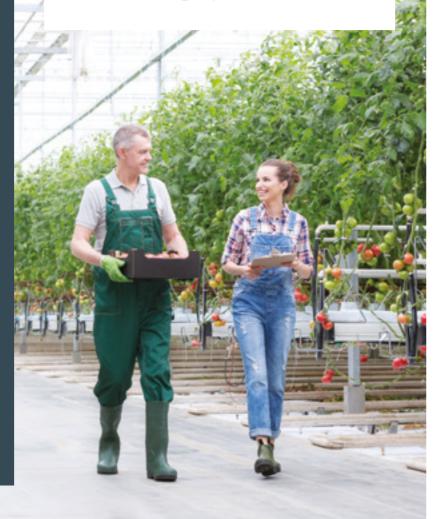


Introducing Oasthouse Ventures

Oasthouse Ventures (OHV) is the UK's leading low carbon greenhouse developer. By using sustainable heat generation, OHV has designed and built circa 70 acres of low carbon greenhouse in East Anglia with our strategic partners Anglian Water and Schroders Greencoat Capital. These sites help to offset imports from Holland and drought-stricken Spain and Morocco.

We believe the future is a path away from fossil fuels. With that principal in mind, we carefully select and design our work to utilise waste or surplus energy where possible. Our East Anglian greenhouses use waste heat from sewage works for example. The proposed Rivenhall Greenhouse will use surplus heat, CO_2 and electricity, in order to grow low-carbon produce, create local jobs and spur long-term growth in this exciting new industry.

Oasthouse Ventures has significant and material experience in delivering complex renewable energy and low-carbon horticulture projects.



Why Bradwell Quarry and NE Essex

OHV has undertaken a nationwide study into determining the most favourable sites in which to align commercial low-carbon horticulture with industry, as promoted by the UK Food Strategy.

Bradwell Quarry and its collaboration with Indaver and Wren Renewables offers the best opportunity for the following reasons:

Alignment of Engineering

Having visited and reviewed other IWMF's in the UK, it became clear that retro-fitting to make use of heat, CO_2 and electricity was not possible. However, as the site is currently under construction, OHV has been able to collaborate with the Indaver engineering team to design heat and CO_2 provision from the inception of the scheme.

· Life span of the industrial partner

The long-term security of heat and CO₂ supply is critical for developing a partnership between horticulture and industry. The IWMF provides this assurance unlike the steel, chemical and refining industries.

Security of Supply — Heat and CO₉

From an agronomy perspective, the provision of heat and CO_2 for 365 days / 24 hours is imperative to ensure that optimum growing conditions are met.

Alternatives sites and alternatives to co-location

Establishing greenhouses further away from the IWMF adds complexity and inefficiencies, including heat loss.

Ease of logistics

The site is well served by A roads as well as being strategically situated close to supermarket distribution centres.

Largest expanse of flat land

The restoration of the Bradwell Quarry, following mineral extraction, provides a flat expanse of land with landscaped boundaries and water catchment.

Water Security

The greenhouses, with their integrated network of reservoirs will be water independent, with rainwater captured to support growing operations.

Favourable growing conditions

Braintree receives 1,611 hours of sunshine annually. By comparison the Dutch horticultural areas of the 'Westland', north of Rotterdam, receives 1,624 hours annually.

Provision of green employment

With over 400,000 people living within 12 miles, there is scope to attract the 500 staff required to operate the site. Colchester and Chelmsford have notably higher levels of unemployment for the 25-49 year age bracket.

The urgent need to re-shore fresh produce production

- On average the UK consumes 500,000 tonnes of tomatoes annually. With 82,000 tonnes grown in the UK, over 400,000 tonnes are imported. Similarly with peppers, over the last 20 years our imports have increased from 80,000 tonnes to over 200,000 tonnes, with only 20,000 tonnes produced in the UK.
- In 2021, the UK ranked as the world's fourth-largest tomato importer, primarily sourcing from the Netherlands (\$279 million), Morocco (\$160 million), and Spain (\$143 million).
- In 2023 the UK saw shortages due to gas price spikes resulting in Dutch greenhouses not planting due to spiralling operating costs.
- Spanish production, covering 50,000
 hectares of poly-tunnel around Alméria,
 is not environmentally friendly, remains
 unsustainable and is not resilient to the
 effects of climate change. Excessive
 pesticide usage and increasing drought
 conditions continue to challenge production;
 whilst extremes of heat from the early spring
 onwards, is shown to severely curtail bees
 and other pollinators from working.
- A one-way lorry journey from Alméria to Dartford (a hub of supermarkets distribution centres) is 1,401 miles.