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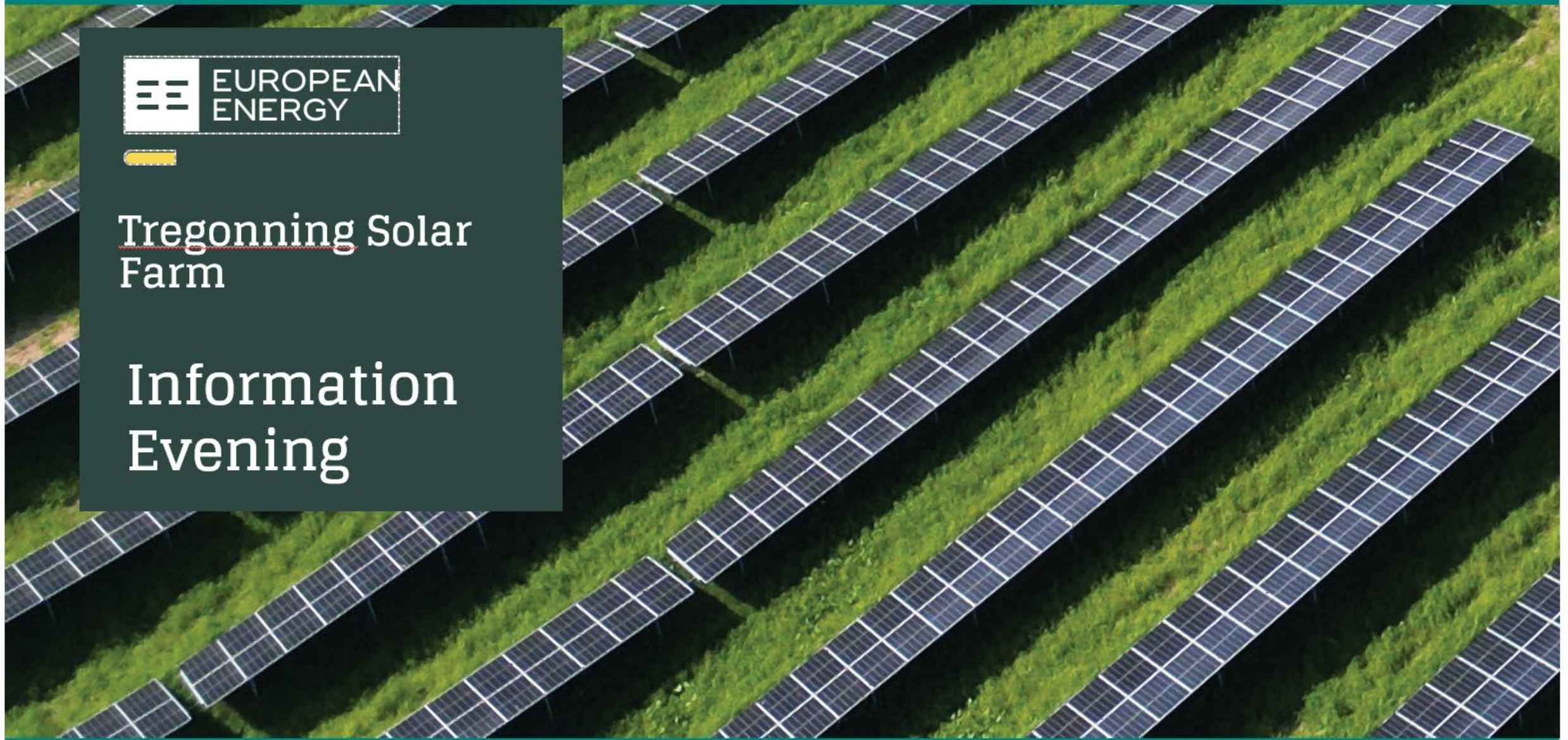
Tregonning Solar Farm

Information Evening



Agenda

- Introductions
- About European Energy
- Tregonning Solar Farm
- What is the project?
- The design / layout.
- Timeline of construction / phases
- Traffic management and coordination
- Community Benefits

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Introductions

Project Team:

Nick Badcock – Construction Director
Simon Bohan – Construction Manager
Lisa Wilson – UK Project Communications Manager

Morten Christian von Barner – Head of Projects across the EE group

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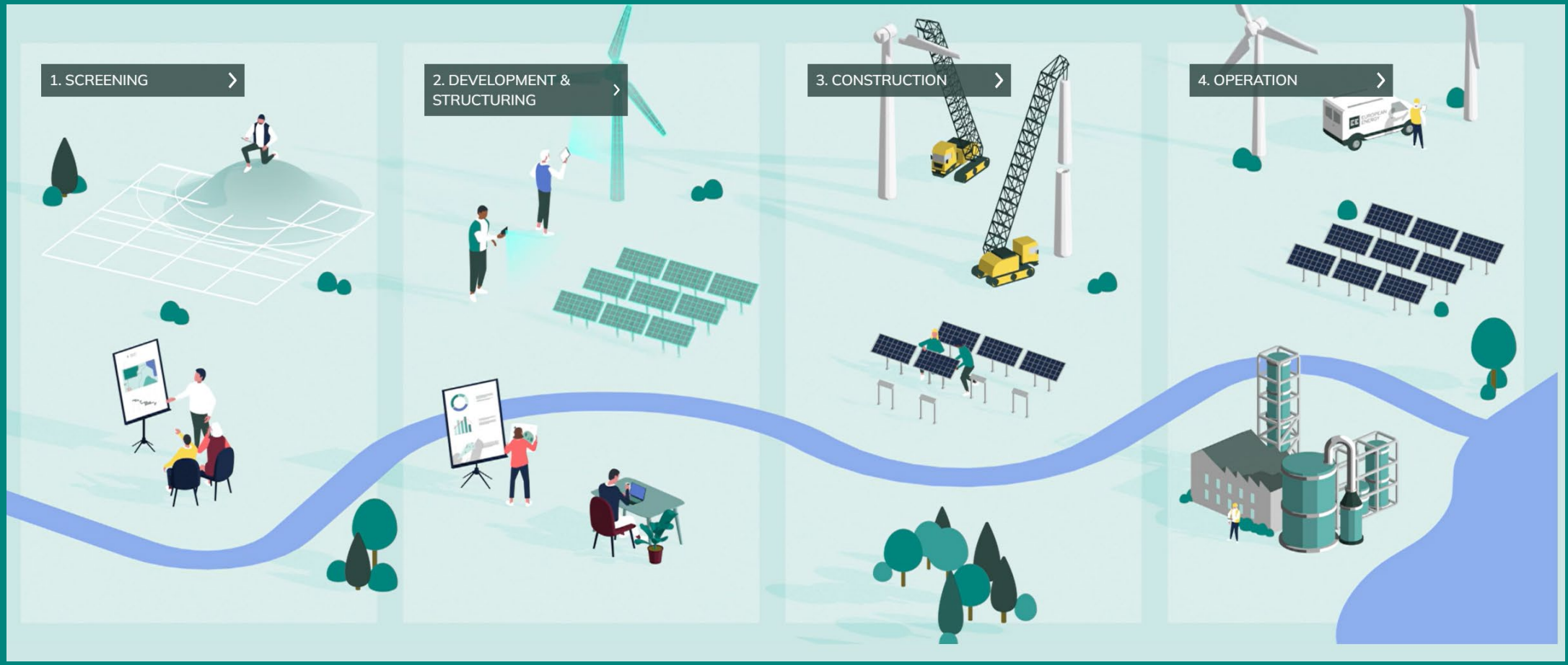
European Energy – what we do

We develop, finance, construct, and operate renewable energy facilities - onshore wind farms, solar farms, battery storage and green hydrogen and methanol facilities.



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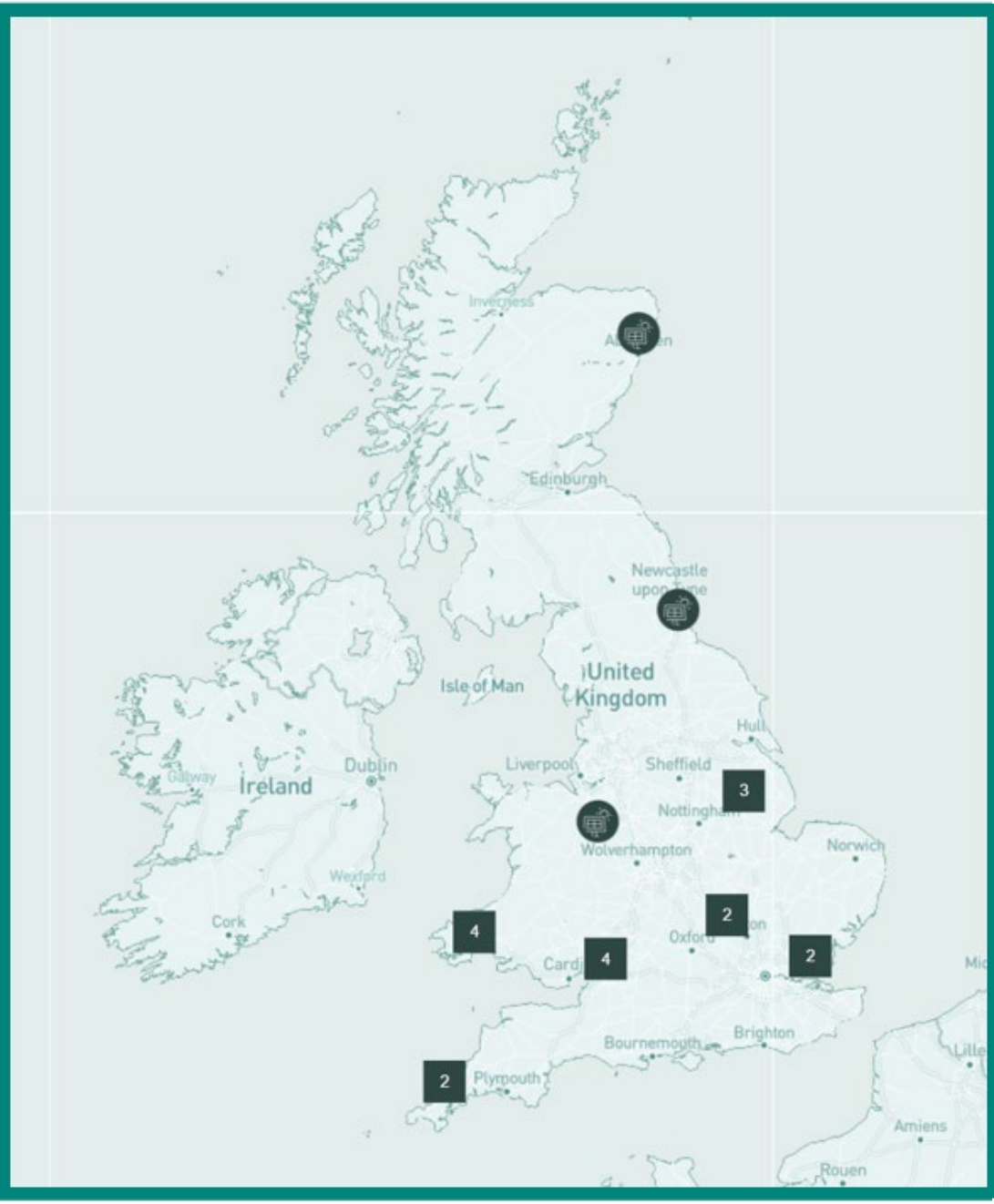
European Energy

Established in Denmark in 2004 European Energy is a significant player in the global renewable energy sector. Today we are active in over 28 countries. Based in Copenhagen, Denmark, the group has a strong track record with more than 900 employees.

European Energy in the UK

- In the UK, we have a high success rate in implementing sustainable energy projects. On the map, you can see where we are constructing our projects and where we are already generating green energy.

- In addition to these sites, we have others in development in the pipeline – either approved and in the stages of preconstruction, or in the planning process



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- Some of our sustainable sites in operation now, generating green energy for the UK

Bubney

Parc Cynog and Pendine

Kincraig

Vicarage Drove

Marksbury

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Tregonning 49MW Solar Farm

The need for the project

On 22 January 2019 Cornwall Council declared a Climate Emergency. The Council committed to preparing a report within 6 months. This report outlined the work needed to become carbon neutral by 2030. As part of the process we spoke to thousands of residents across Cornwall. On 24 July 2019 the Cabinet unanimously approved the ambitious plan.

Renewable energy projects form an important part of Cornwall's plans to reach net zero by 2030, and Once operational, Tregonning Solar Farm will generate enough clean electricity to power around 17,000 homes each year, making a meaningful contribution to Cornwall's efforts to tackle the climate emergency.

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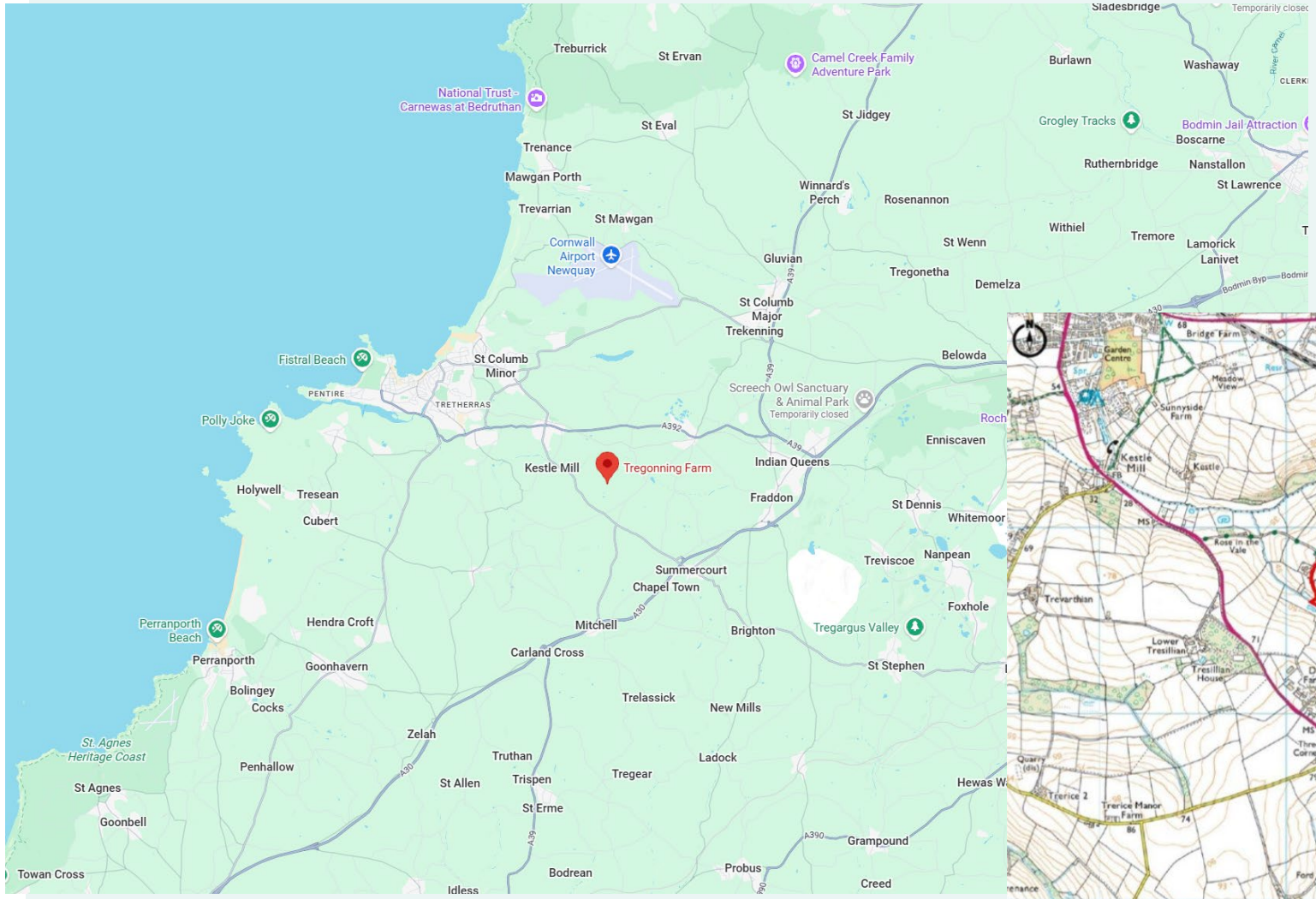
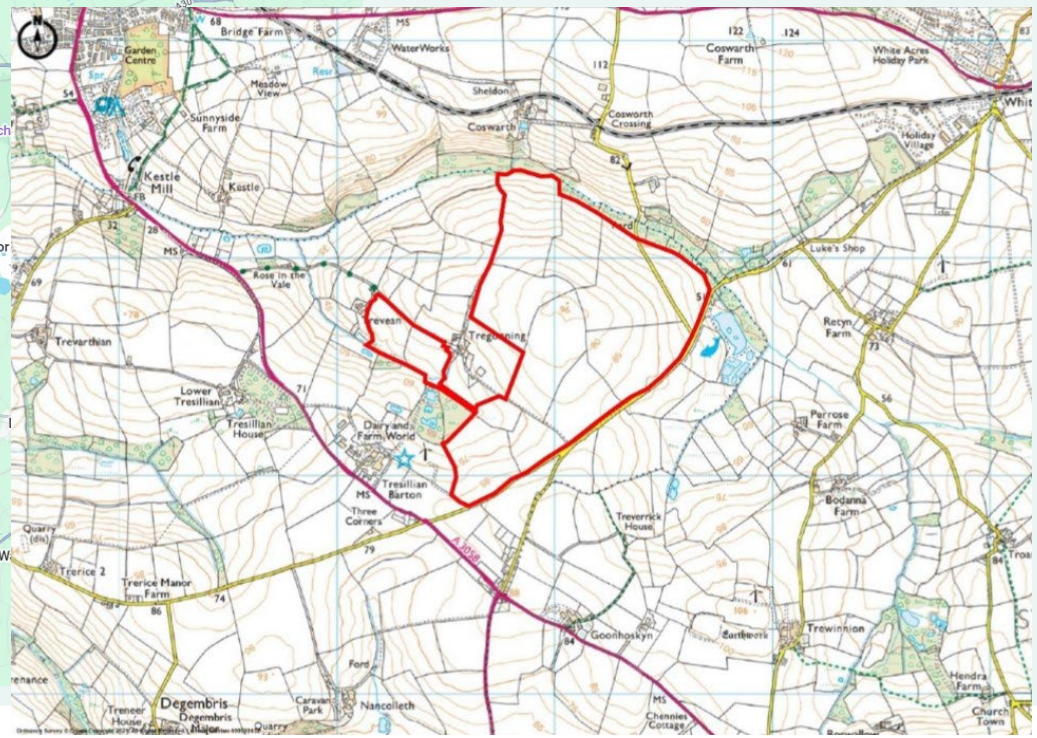
The project location.





The site was chosen after careful work to find a suitable location, looking at things like local landscape, environmental sensitivities and whether the nearby electricity network could take the power generated.

We've also carried out surveys to understand the area's wildlife, how the project would look in the landscape, and practical matters such as safe access and flood risk.

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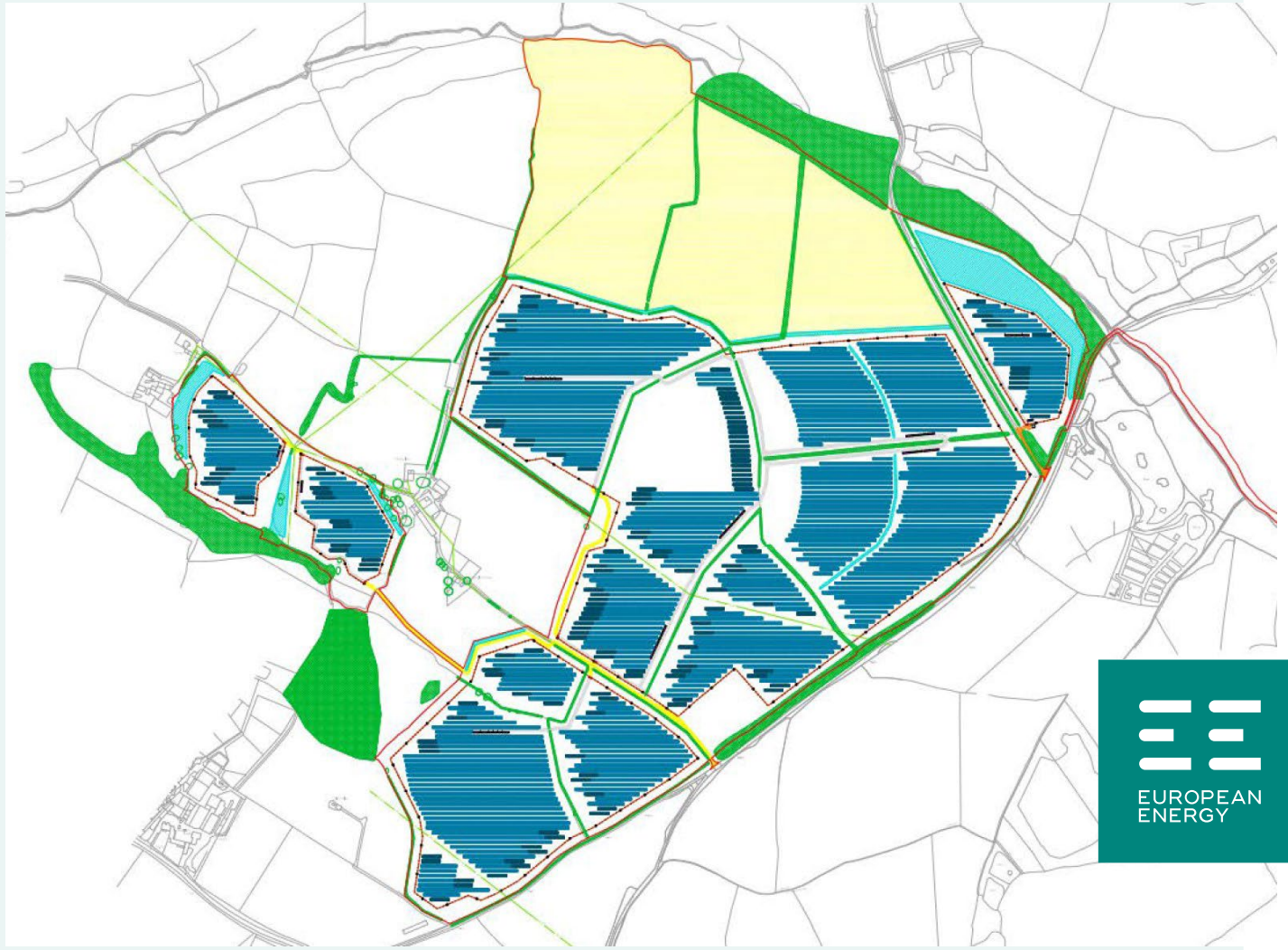
Tregonning Solar Farm 49.9MW

- The solar farm will sits on about 88 hectares of farmland in Kestle Mill
- It will generate up to 49.9MW of clean electricity
- enough to power roughly 17,000[1] homes.
- By not using fossil fuels, this could save around 27,600[2] tonnes of carbon annually.
- The project is planned to operate for up to 40 years, after which all equipment would be removed and the land could return fully to its current use.
- During construction and operation vehicles will use the existing entrance to minimise disruption
- The solar farm will connect to the national grid and a co-located battery storage facility via an underground cable to the Indian Queens connection point, with no overhead lines



1 Calculated using the most recent statistics from the Department of Business, Energy and Industrial Strategy (BEIS) showing that annual GB average domestic household consumption is 3,578kWh 2 Calculated using BEIS's "all fossil fuels" emissions statistic of 446 tonnes of carbon dioxide per GWh of electricity supplied in the Digest of UK Energy Statistics (July 2020)

Construction

We expect to be on site for around 12 months, 9 of which is construction activities.

Onsite work, vehicle movements and deliveries from 8am to 6pm.

During heavier construction periods when we need a larger team, most of the onsite staff will share vehicles, arriving in minibuses.

Some activities, piling for example, are noisy. We keep these tightly scheduled to minimise any effects locally.

We maintain a solid track record in managing on-site contractors and suppliers, overseeing every step of construction.
We also seek to hire as locally as possible in the construction phase to contribute to the local economy.

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Site Preparation

Installing access roads, fencing, substations, and power lines

PHASE 01

PHASE 02

Foundation and Mounting Installation

Laying foundation Assembling mounting frames

Solar Panels and Electrical Systems

Placing panels and connecting electrical systems

PHASE 03

PHASE 04

Grid Connection and Testing

Connecting to the grid, comprehensive testing

Landscaping, Restoration

Finalizing landscaping, restoring the site

PHASE 05

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The design/ layout

- The panels are typically mounted in four horizontal rows, with one row fixed directly above the other. There would be a gap of approximately 2 m between each row of arrays. Each array would be mounted on a frame, to be installed using spiked foundations of approximately 1-2 m deep.
- The solar panels have been assessed for the purposes of landscape and visual impact as being maximum of 2.75 m high, which is the worst-case scenario, however it is actually possible that the panels would be at a height of around 2.6 m. As a general design principle for the ground mounted solar, the layout will be based on bifacial panels on a fixed mounting system on rows running east to west.

What to expect at the end of construction

When the project is successfully completed, what should we expect?

- The solar farm will sit quietly in the landscape, producing electricity for around 17,000 homes every year.
- Sheep will graze around and beneath the panels once the solar farm once constructed, retaining the agricultural use of the land alongside the generation of renewable energy.
- Existing and new hedgerows and boundary trees will provide screening and break up views of the site.
- Long-term land management will include the creation of large areas of meadow grassland and other habitat enhancement to support birds and other wildlife.

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Traffic Management

For a period of approximately 9 months during construction, there will be deliveries of equipment to site. Site will be in operation for 12 months.

We have measures in place to manage impacts of construction traffic and these measures are included in a Construction Traffic Management Plan that was submitted in the planning application.

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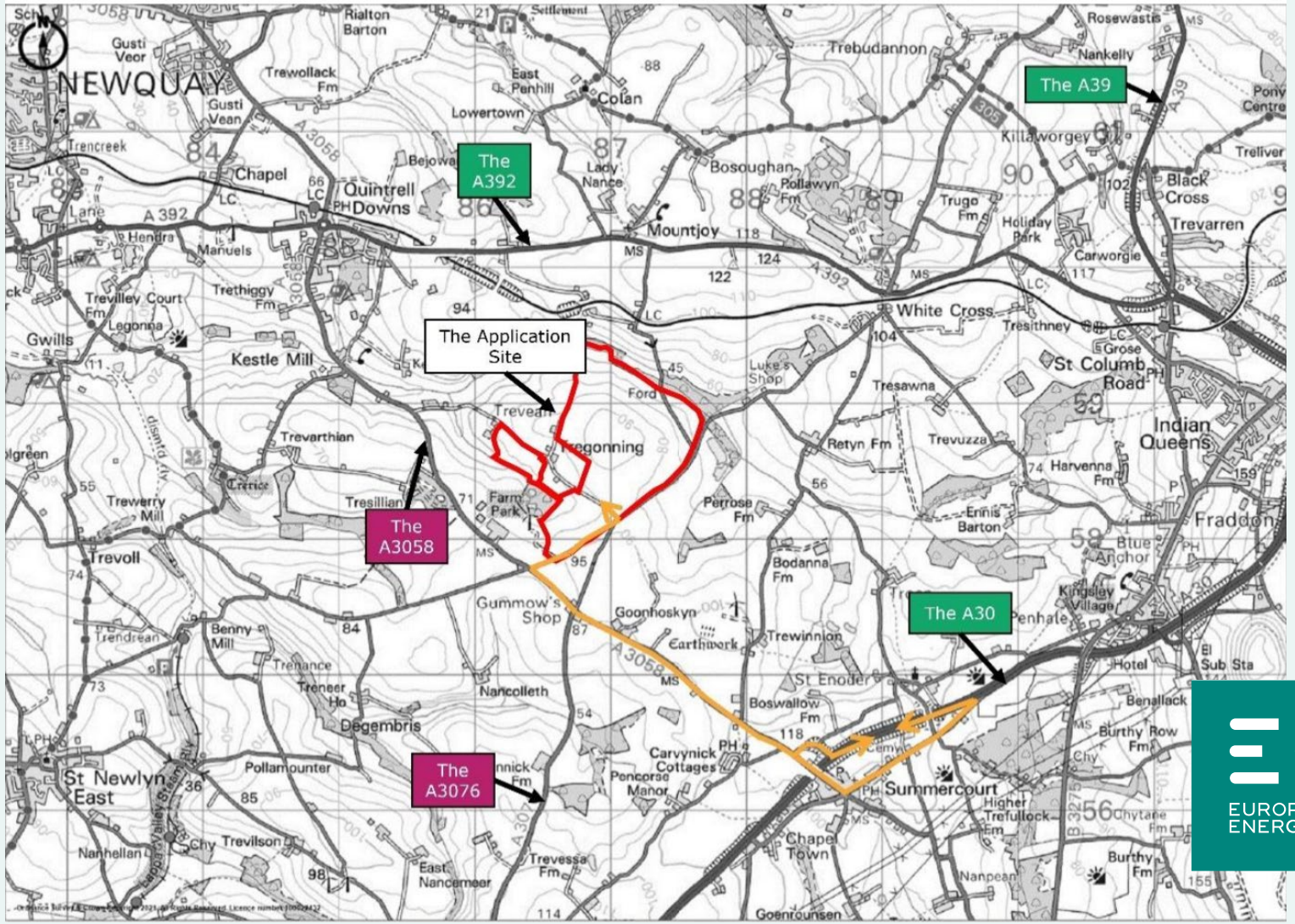
Traffic Management

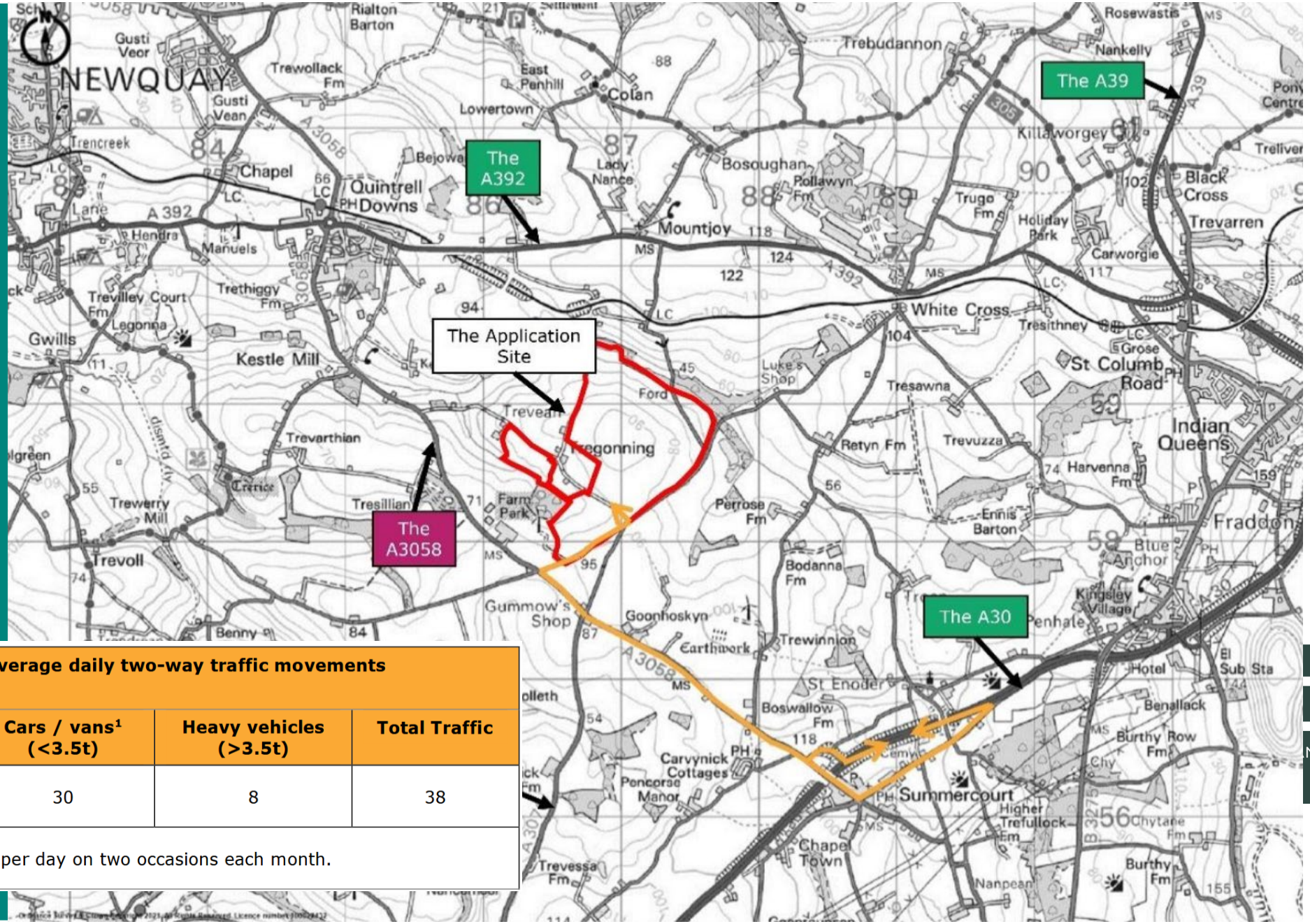
As agreed by the local council as part of the planning permissions, all HGV construction traffic will route to the sutevia the A30 and the A3058

Most deliveries will be standard sized HGVs.

Solar panels and other site construction plant and materials could be transported on articulated lorries which could be up to 16.5m in length



Traffic Management



Phase	Duration	Average daily two-way traffic movements		
		Cars / vans[1] (<3.5t)	Heavy vehicles (>3.5t)	Total Traffic
Construction	18-24 weeks	30	8	38
Operation	Permanent	2 per day on two occasions each month.		

Traffic Management – Deliveries

All deliveries should follow the agreed route and speed guidelines

During construction and operation, vehicles will use the existing entrance to the land

- Delivery Times

  Site operating hours, as per condition 10, are

  - 0800-1800 on Monday to Fridays; and 0800-1300 on Saturdays
  - No construction work will be undertaken on Sundays and Bank or Statutory Holidays.

- Compliance

Commercial options will be considered for non-compliance.

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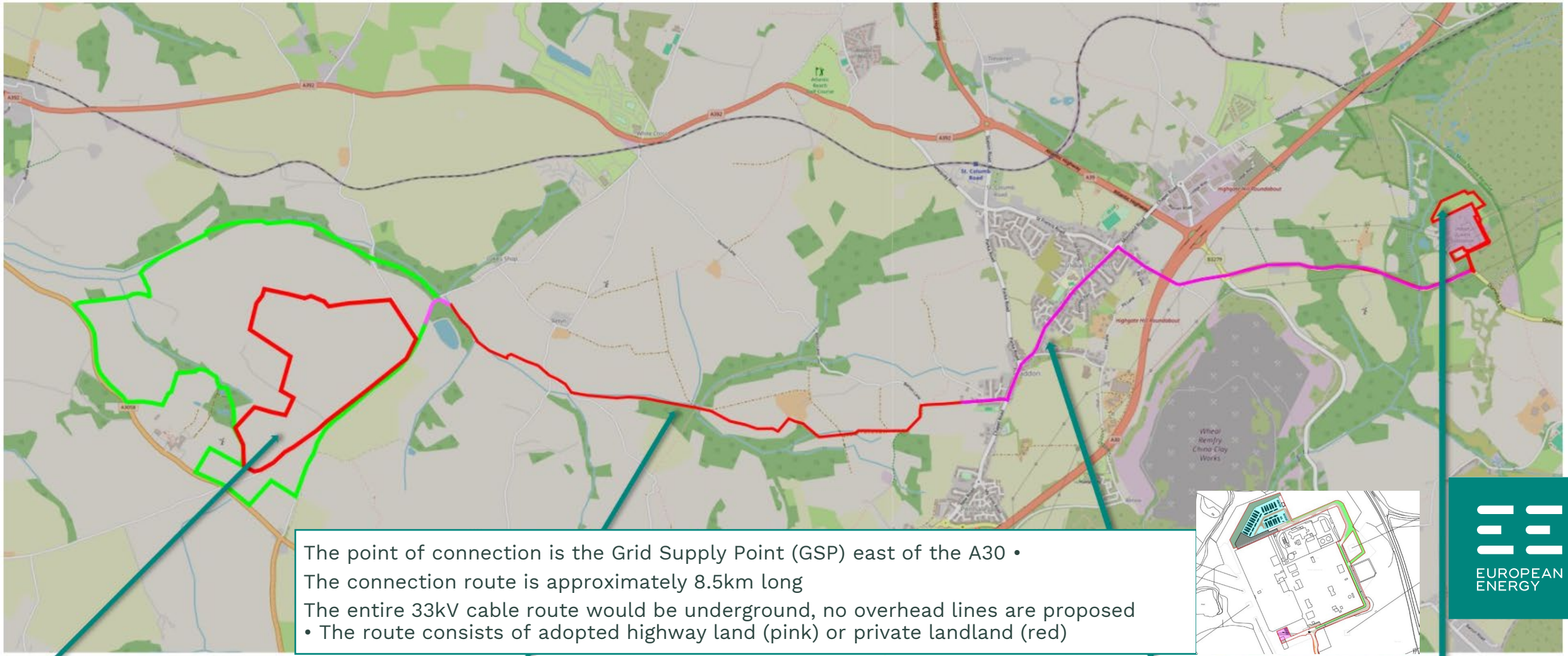
Tregonning Solar Farm Cable Route



The point of connection is the Grid Supply Point (GSP) east of the A30 •
The connection route is approximately 8.5km long
The entire 33kV cable route would be underground, no overhead lines are proposed
• The route consists of adopted highway land (pink) or private landland (red)

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Tregonning Farm
68MWp Solar PV

Approx.4.5km 'soft dig' cable route

Approx. 4km highway cable route

Indian Queens Grid Supply Point (GSP) and 47.5MVa BESS

Traffic Management – Additional measures

- Our project manager, site manager, construction manager, logistics team at head office are all aware of the requirements of our traffic management planning and the importance of getting this right.
- We are constantly working to improve the system
- Whenever an issue arises, we take it up immediately
- We keep in contact with the Highways Dept and the planning case officer, updating on progress and measures.

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The local benefits of renewable energy

People often ask whether the energy we generate is used locally.

The simple answer is: **it enters the local grid first, but once it's in the system, it can be used anywhere.**

The National Grid lets us know whether the local network has capacity to accept the electricity we generate, and how much of it can be taken at any given time.

Our solar energy is fed into the grid at the nearest substation, in this case, **Indian Queens**. From there, it behaves just like any other electricity on the network and they decide whether to use the electricity locally or export.

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Local Benefits: Working with nature

Only part of the site will be covered by solar panels, leaving space for new planting, habitat improvements and visual screening.

All existing trees and Cornish Hedges will be retained and additional planting will fill gaps in the existing boundary planting or to provide new mitigation planting along the boundaries.

The layout also allows sheep grazing between and beneath the panels.

In the long term, large areas of meadow grassland and other habitats would be created to support local wildlife.

The design includes measures to protect landscape character and wildlife. Surveys have detected infrequently used badger setts and the potential for other species with boundary habitats such as reptiles, farmland birds, hazel dormouse, hedgehogs and brown hares. Our design and mitigation plans will will ensure there will be no impacts on these habitats during construction or operation.

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Local Jobs, Skills and Community Benefits

We work with a small number of specialist contractors we've trusted for many years, but other elements of the project such as gravel, concrete, fencing, CCTV, groundworks and landscaping can be delivered by local suppliers.

Wherever possible, we aim to use local contractors and encourage all our partners to consider local employment and training opportunities.

We are committed to supporting skills and training within the construction industry, and we will explore opportunities to go into schools and colleges and to arrange visits to the solar farm so young people can learn more about renewable energy and future careers.

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Community Benefit Funding

A community benefit package is offered to the local community

On COD we will enter into **Developer Contribution Funds Agreements** with 2 Parish Councils

- St Enoder Parish Council - £25,000 as a single payment into a fund on completion
- St Newlyn East Parish Council £2000 per MW as a single payment into a fund on completion

Local charities, organisations and bodies will be able to apply for funding shortly thereafter, via application form to the Parish Councils

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St Enoder Parish Council

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Thank you for taking the time to share your views today

Make contact with us directly if you have any concerns or queries

Lisa Wilson, Project Communications Manager

Email: liwi@europeanenergy.com

Tel: 07508 817 113

We are finalising our Site Managers contract

Details to follow shortly

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