

## **Cornish Lithium – Operations at Trelavour Quarry**

### **Who are Cornish Lithium?**

We are an innovative mineral exploration and development company, based in Cornwall, that aims to contribute to the UK's supply of raw materials for the Green Industrial Revolution, such as lithium, which is used in batteries for electric vehicles

### **What are the benefits of our recent funding?**

A £53.6 million initial investment has been secured from a group of leading institutional investors led by the UK Infrastructure Bank, which is owned by the UK Government, alongside The Energy & Minerals Group (EMG) and existing shareholder, Techmet. Local people have also invested in the Company through our crowdfunding campaigns to support the potential renaissance of Cornwall's mining industry that our modern mineral extraction techniques represent

This funding package enables us to continue our development towards providing a domestic supply of battery grade lithium compounds to support the UK's automotive industry and Net Zero target in the context of a global shortage of this critical mineral

The next stage is to complete a full Feasibility Study for our Trelavour Project, through which we plan to extract lithium from hard rock at this former china clay pit. The Study will assess the viability of the Project and help us understand all the operational, environmental and social implications

This tranche of funding will also enable us to progress our lithium in geothermal waters projects across other areas of Cornwall.

### **Has Cornish Lithium taken ownership of Carsella Farm?**

We have not taken ownership of Carsella Farm

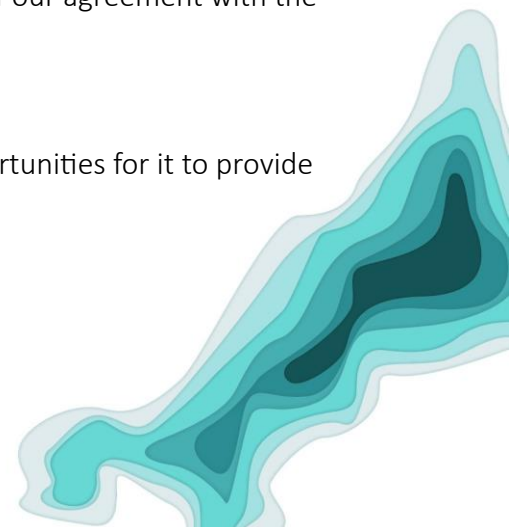
Carsella Farm is owned by the Tregothnan Estate whose long-standing tenant family has decided not to renew its tenancy

We have agreed terms with the Tregothnan Estate to take on the lease of Carsella Farm under a Farm Business Tenancy

We will continue to manage Carsella Farm in collaboration with new farming tenants who we will sub-let to and the existing residential tenants who remain part of our agreement with the Tregothnan Estate

### **What else is planned for the farmland?**

The farmland borders the Trelith Processing Site. There may be opportunities for it to provide ancillary uses to support our planned operations



We plan to survey the farmland to assess its ecological value with respect to any Biodiversity Net Gain (BNG) requirements and associated environmental compensation schemes that may be required as part of our development Trelavour Downs.

Our geologists are identifying a suitable location to drill an exploratory geothermal borehole, which may, or may not, be suitable for the production of heat and lithium. This will require planning permission from Cornwall Council under a General Permitted Development Order (GDPO)

### **What's happening on Trelavour Downs?**

Our 2023 drilling programme is nearing completion. The results from this programme will inform a Feasibility Study

Some of the drill holes have been located around the old sky tips, Pointy and Flatty, because we need to understand if the lithium resource extends beneath them. Once we have this information, our geologists will interpret the results and determine where the Optimum Pit Envelope will be

The Optimum Pit Envelope might include the footprint of the sky tips. We don't yet know if this is the case but will share information as soon as we possibly can

### **What about Pointy and Flatty?**

We recognise the importance that the community places upon these sky tips. However, we are concerned about their stability. The land owners, Tregothnan Estate have also been concerned about this issue for some time

Pointy is of particular concern because its base is being visibly eroded by water and weathering. A significant fall of ground on the edge of Old Trelavour occurred during Winter 2022

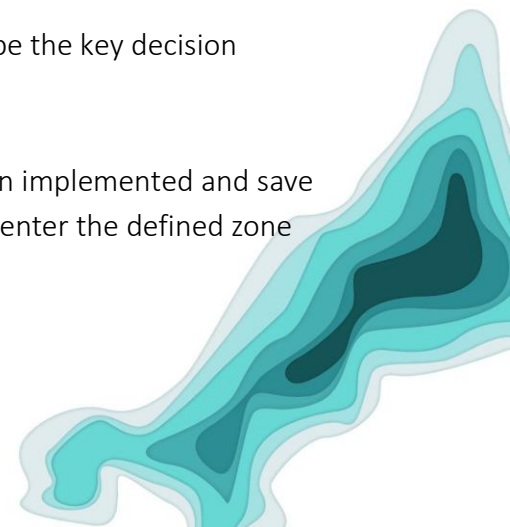
We have engaged independent geotechnical experts to provide an assessment of the health and safety risks

We don't believe there is any immediate risk of significant failure of Pointy but we will be guided by the recommendations of the experts as to what may be required to manage Pointy and Flatty going forward

### **What are the conclusions of the Geotechnical Report?**

Public safety and the wellbeing of employees and contractors must be the key decision making driver

An Exclusion Zone within the pit should be put in place. This has been implemented and save for emergency works, no employees or contractors are permitted to enter the defined zone



A programme of further slope monitoring should be developed

Further assessments are needed to better understand the ground conditions under Pointy and Flatty, the groundwater regime and the additional works that may need to be undertaken

### **Can I continue to access the Downs using the Permissive Path?**

We have had to temporarily close the existing Permissive Path until our drilling operations are completed to ensure that there is no interaction between those using the path and our plant and equipment

A new, alternative, route has been provided which gives access to the Downs and the network of paths in the wider china clay area

It is vitally important that everyone uses the new path from now on to help keep people safe and away from our machinery. We want the community to continue to access the Downs safely as we know it is a valued amenity but we must put your safety first. We would therefore appreciate your cooperation in this respect

It's been great to see a number of you using the new path and we have had some helpful feedback on it already. If you do have any suggestions we would encourage you to speak to us

### **What happens next?**

Over the next few months, we will be finalising the installation of our Demonstration Plant

Alongside the Trelith Processing Facility, we will also be providing a laboratory, welfare units and a visitor centre

The building work will be completed and commissioned in early 2024 and will run through 2025. Once the plant is operational, we plan to host some open days and welcome you to the site.

We expect to recruit around 30 new staff on permanent and fixed-term positions

### **When do you expect to be producing lithium on a commercial basis at Trelavour?**

We are working towards commercial lithium production at Trelavour by 2026/2027.

### **How can I get in touch?**

You can contact us via the contact form on our website: <https://cornishlithium.com/contact-details/>

Via email: [info@cornishlithium.com](mailto:info@cornishlithium.com)

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Or by post: Cornish Lithium, TreLith, Parkandillick, St Dennis, PL26 8DY

