

# Elements Green - Eurimbula

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[www.elementsgreen.com](http://www.elementsgreen.com)



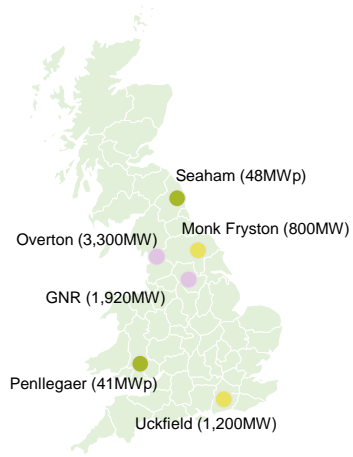
# Who is Elements Green

Elements Green has achieved exponential pipeline growth

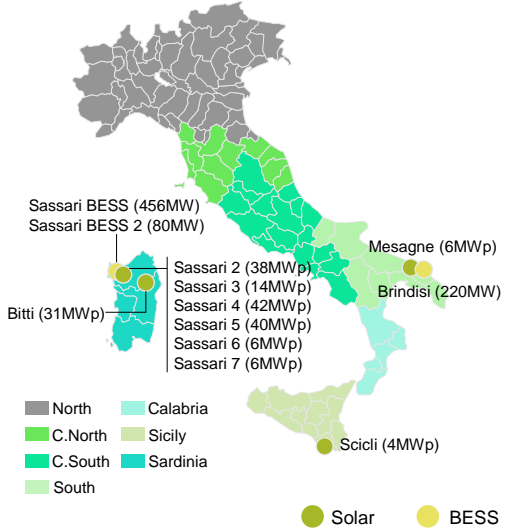


## Elements Green development pipeline overview

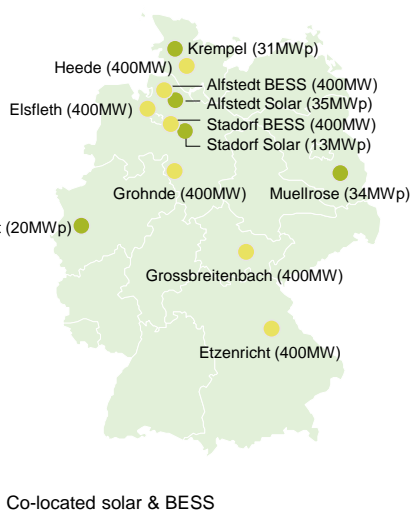
### UK – 7.3 GW



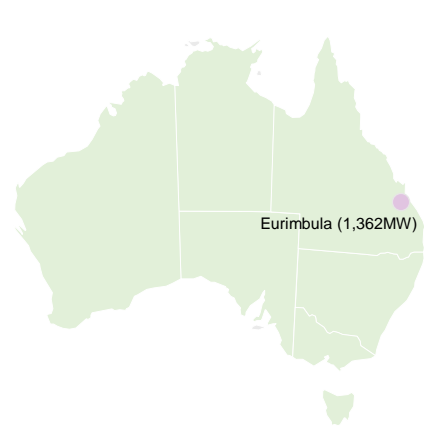
### Italy – 0.9 GW



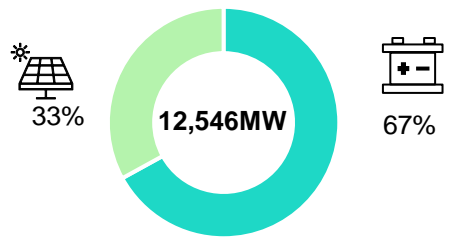
### Germany – 2.9 GW



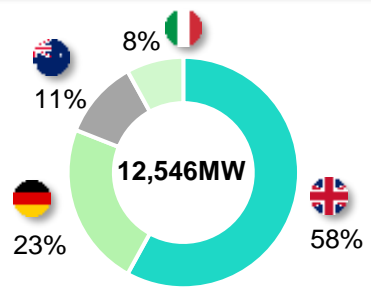
### Australia – 1.4GW



### Capacity by technology



### Capacity by geography



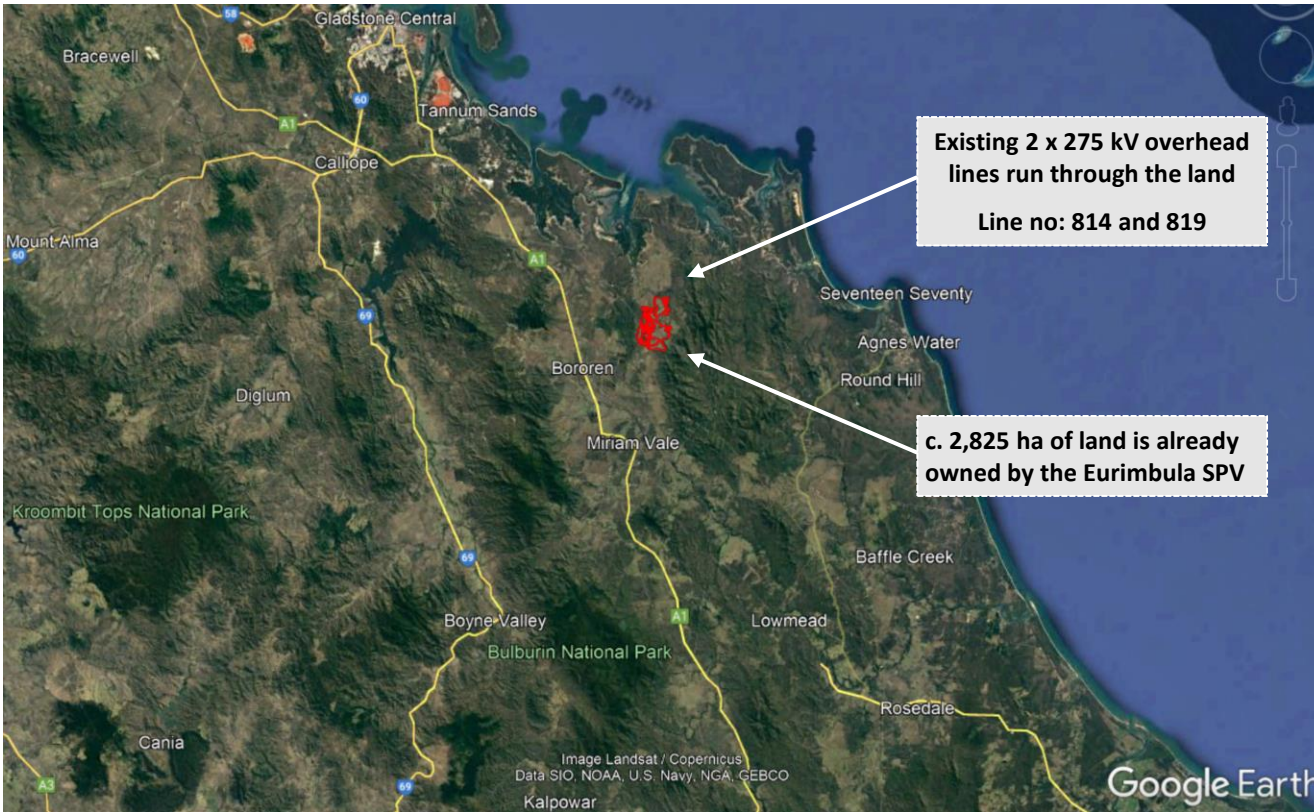
### Utility scale strategy

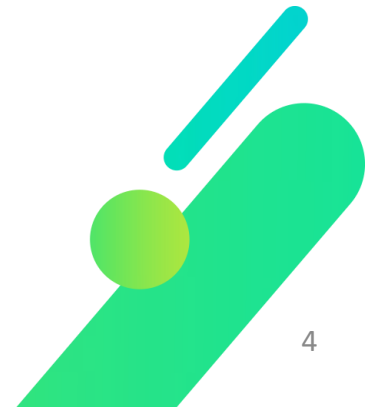
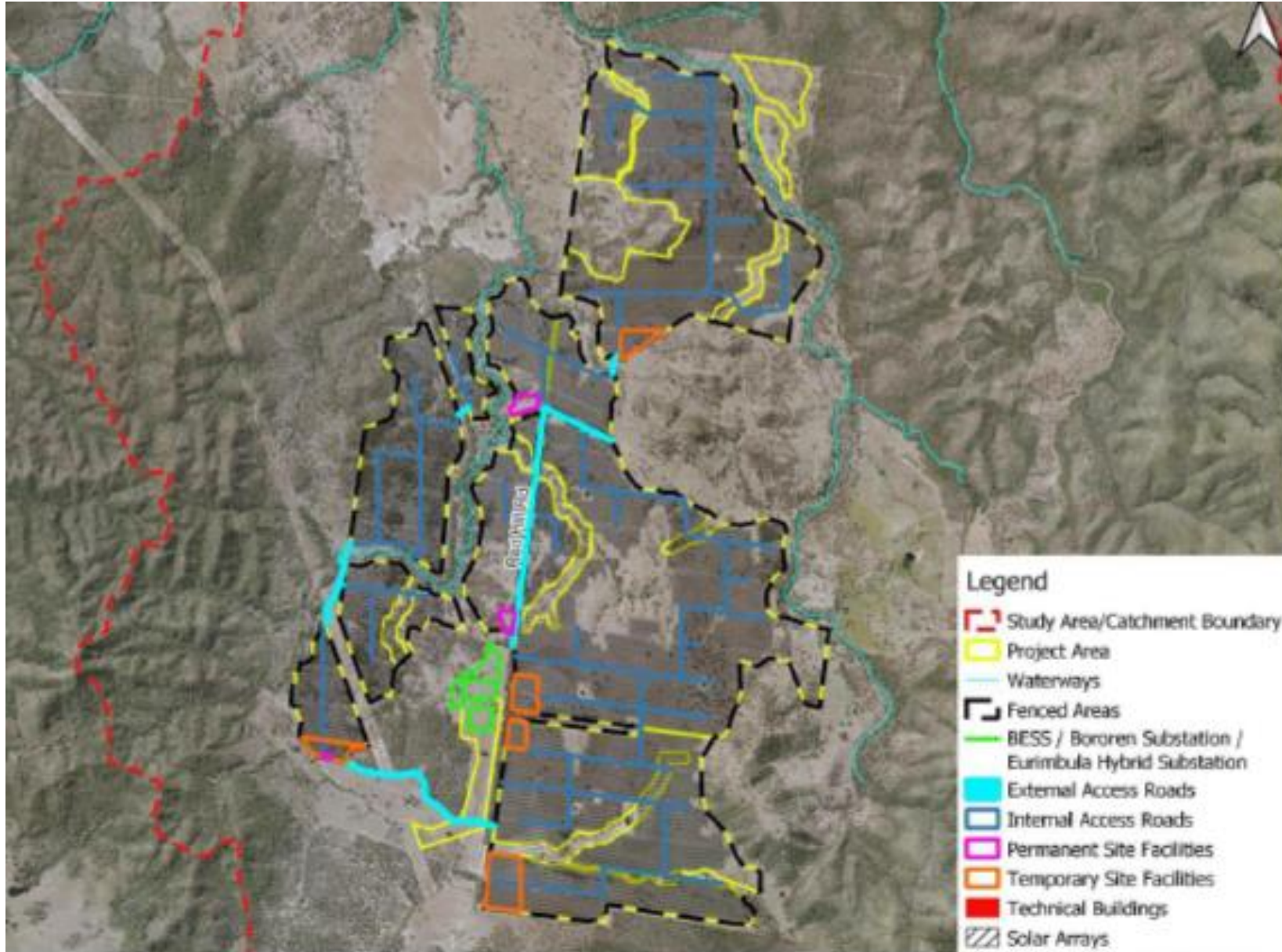
- Utility scale assets are **achieving strong economies of scale**, bringing down EPC and grid costs
- Sizable assets will receive **additional government support** due to **national significance for net zero**
- Co-location facilitates greater grid connection utilisation**, whilst the BESS can support the returns on solar assets

Largely shovel ready pipeline of solar and battery projects, focused on utility scale to achieve higher economics



# The Project - Eurimbula



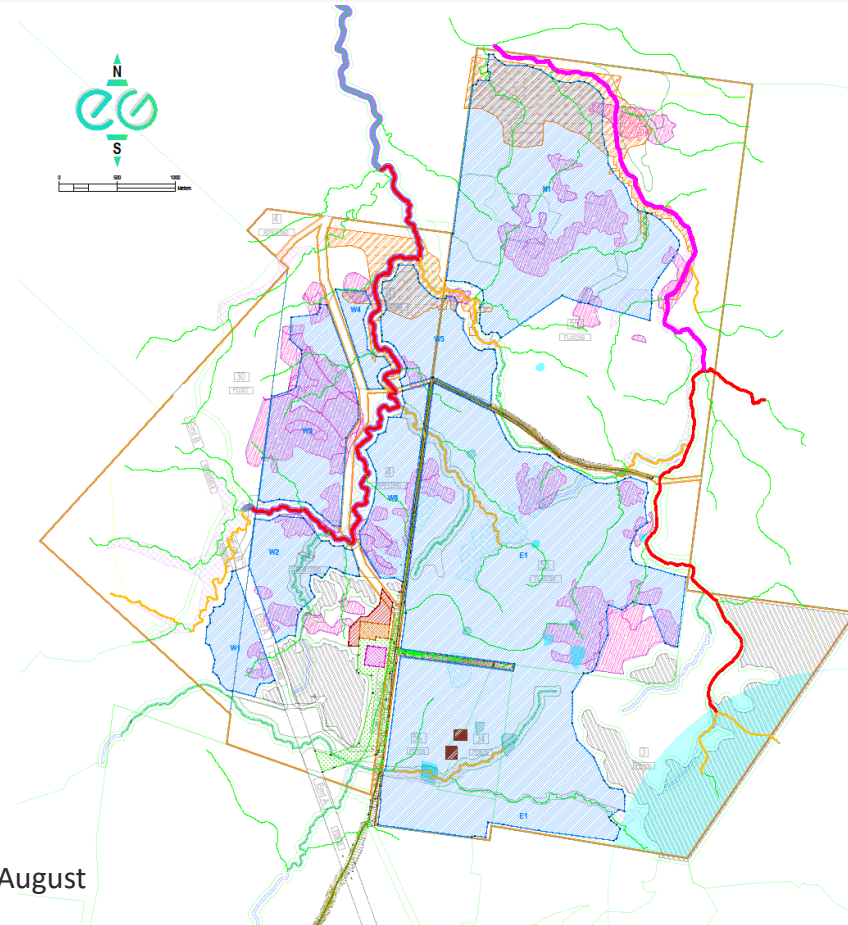




## Summary of Eurimbula

|                                 |   |
|---------------------------------|---|
| <b>Solar capacity</b>           | 560 MW <sub>AC</sub> / 696 MW <sub>DC</sub>   |
| <b>BESS capacity</b>            | 666 MW <sub>AC</sub> / 1,332 MWh (2-hour system)  |
| <b>Land size</b>                | c. 2,825 ha ( c. 1,285 ha occupation area)  |
| <b>Land status</b>              | Owned by the SPV<br>Internal capability for environmental offsets   |
| <b>Annual energy generation</b> | 1,460 GWh per year  |
| <b>Yield</b>                    | 2,100 kWh/kWp/year  |
| <b>Equipment</b>                | c. 1,123,920 x 620Wp PV modules and<br>c. 180 x 3.36 MW (4.2MVA) SMA inverters  |
| <b>Mounting systems</b>         | Majority single axis tracker, small section of<br>fixed two portrait panels   |
| <b>Grid connection</b>          | Two 275 kV overhead lines   |
| <b>Development Approval</b>     | Initially granted July 2018 with approval valid until August 2026. MCU granted in April 2023<br>Time extension request underway to allow completion of development and construction of the project. |

## Site layout





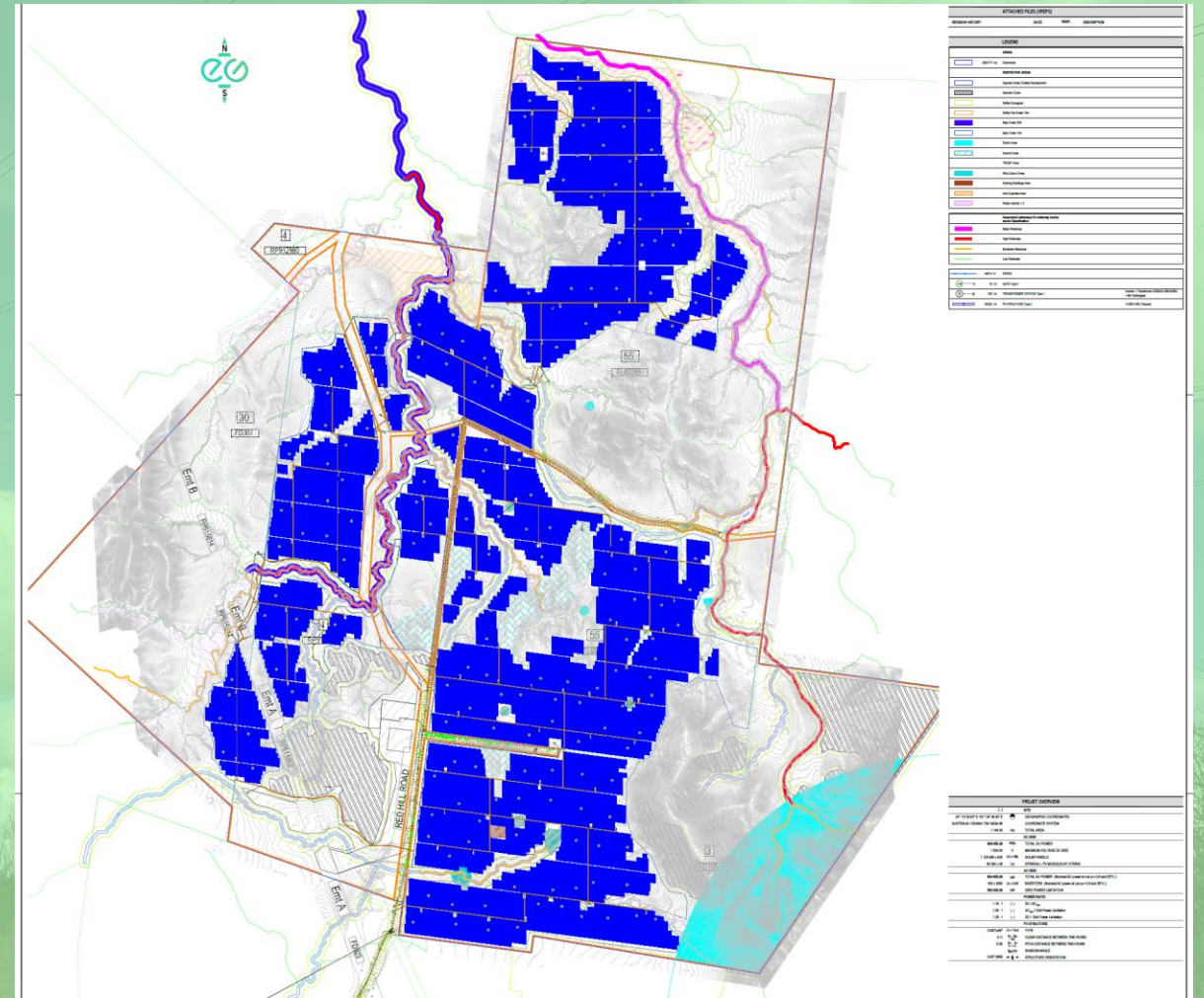
## Status

- **Land**
- **Community Engagement**
- **PCCC and CHMA**
- **Connection**
- **EPBC**
- **PPA**
- **EPC and Equipment**



### Status

- Land
- Project site is owned by the SPV
- Current agistment continues
- Design is based on fitting in, not changing what's there



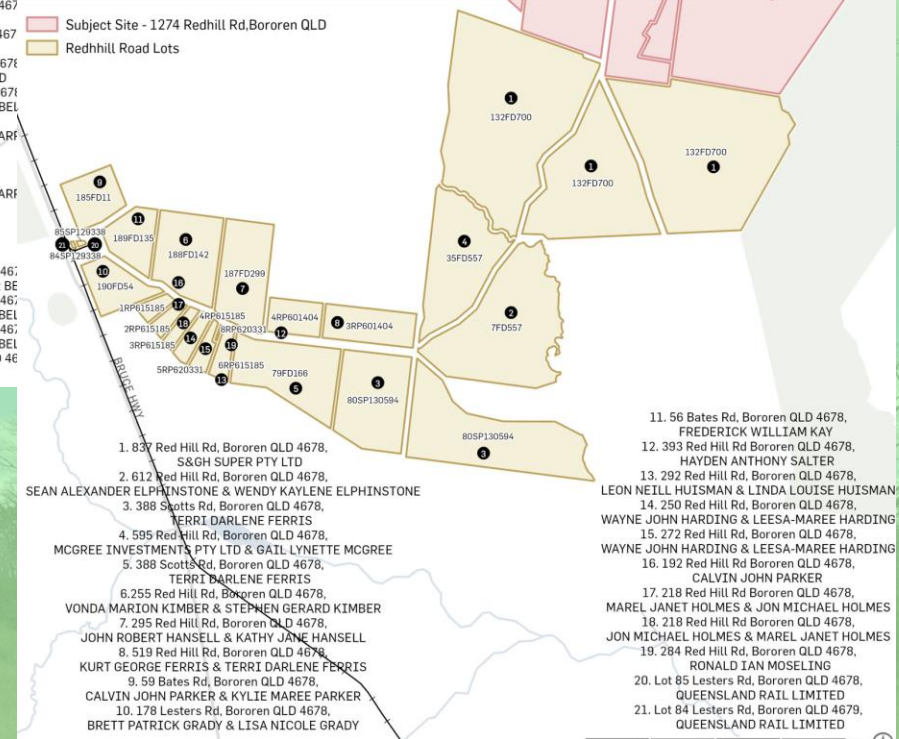
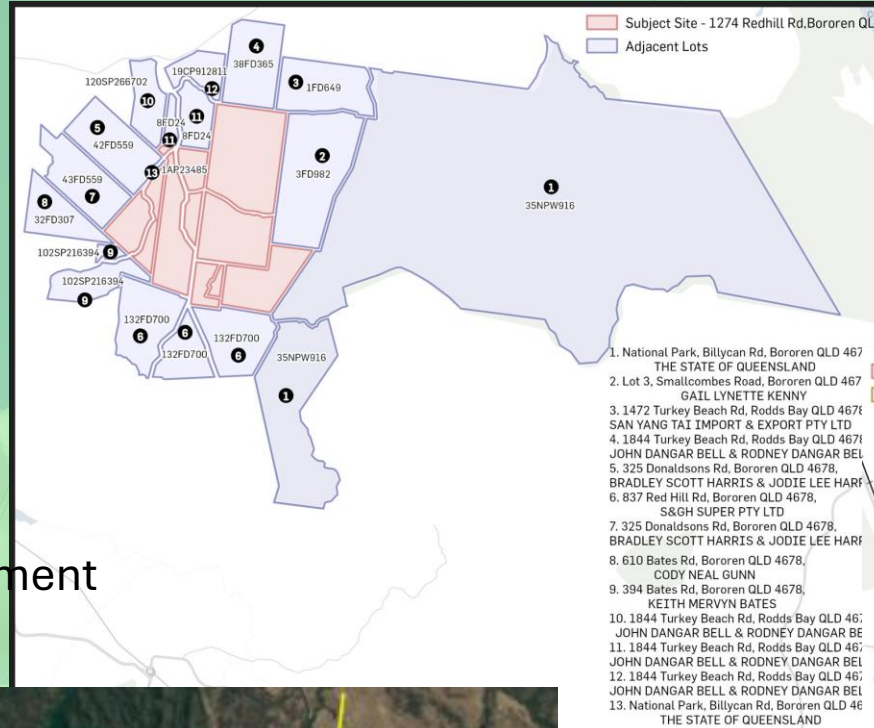
# Eurimbula - Australia

696MWp Solar PV + 666MW BESS



## Status

- Community Engagement
- Face-to-face meetings
- GEA engagement
- Local content plan in development
- Red Hill road rebuild

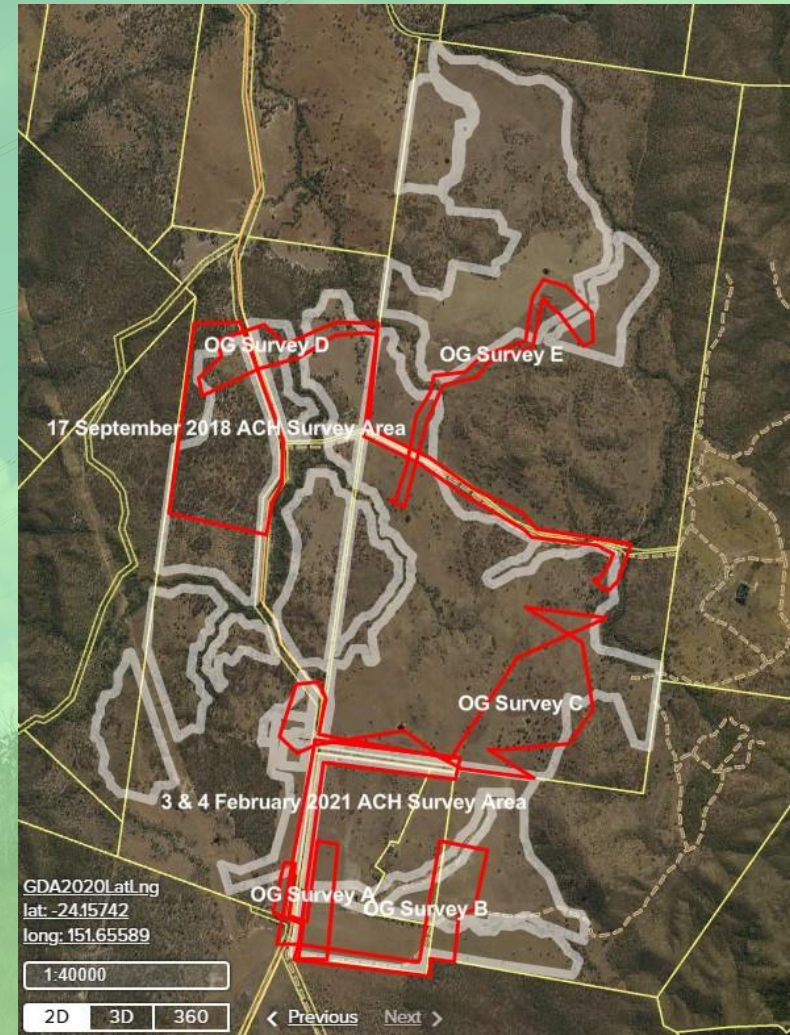






## Status

- **PCCC and CHMA**
- Existing CHMA with PCCC
- Heritage surveys completed in 2018, 2021 and 2025.
- Monitoring and work plans to continue

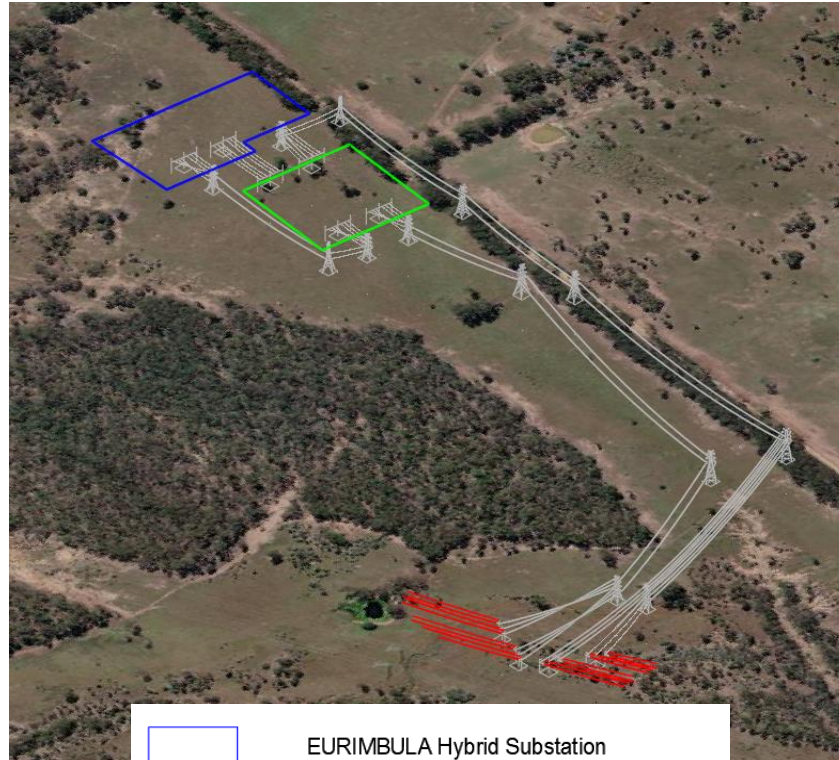




## Summary of Eurimbula


- Powerlink Grid Connection Enquiry completed in December 2022
- Powerlink Grid Application Fees paid on 10<sup>th</sup> February 2023
- EPEC started Connection Application design in March 2023
- Preliminary design package completed in August 2023
- GPS studies completed in Q4 2023
- Connection Application Package submitted to Powerlink in February 2024
- Powerlink's Full Impact Assessment (FIA) approved in November 2024
  
- Scope and tender with Powerlink's Panel – received 26 March 2025
- Generators Connection and Access Agreement (GCAA) contract negotiation in progress
- 5.3.4A letter imminent
- Powerlink's GCAA offer expected in Q2 2025, ready for signing, to align with EPBC


## Site layout

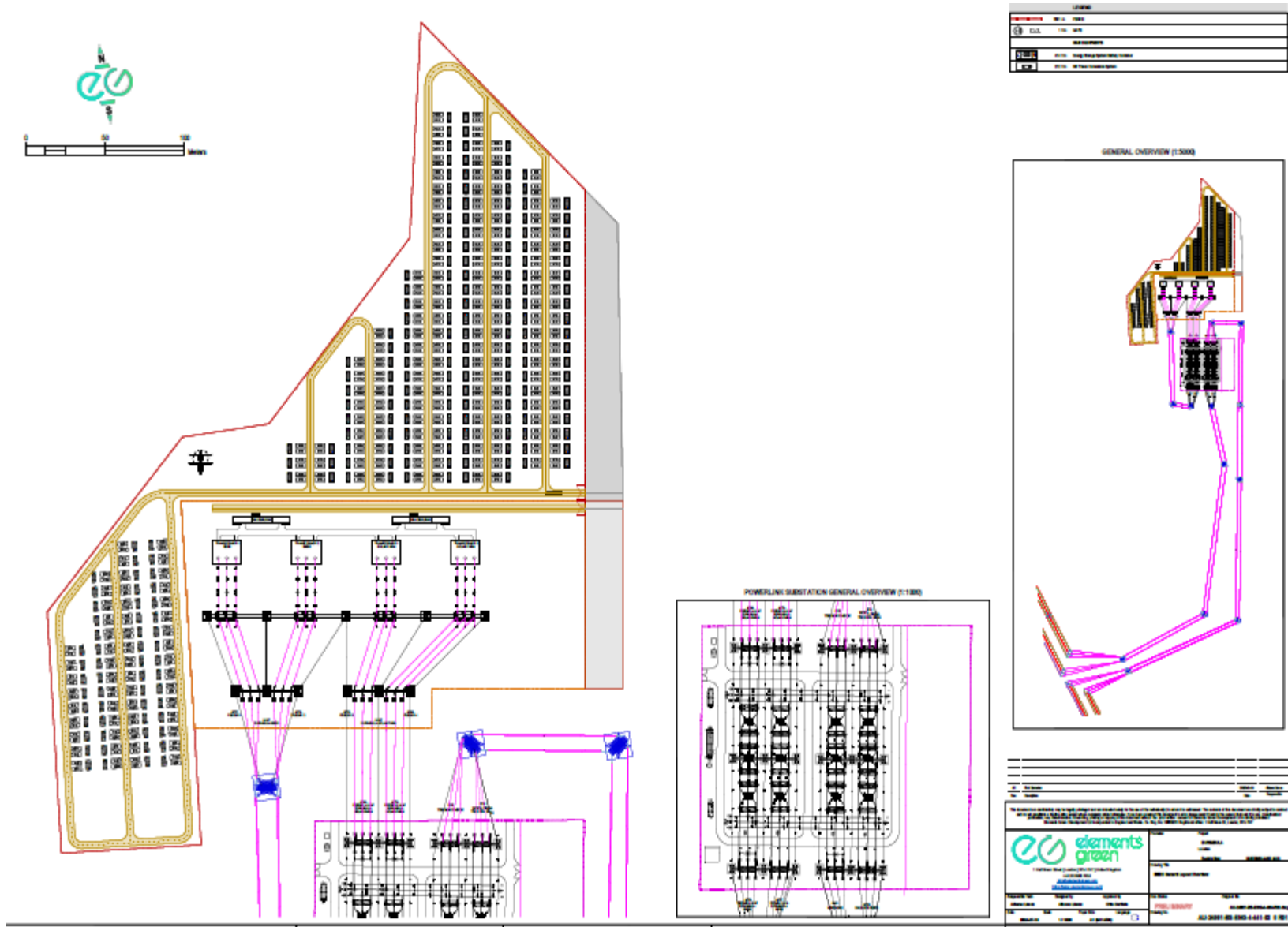


 EURIMBULA Hybrid Substation

 BOROREN Substation

 8776/8921 & 814/819 275kV OHL

 New OHL Grid Connections





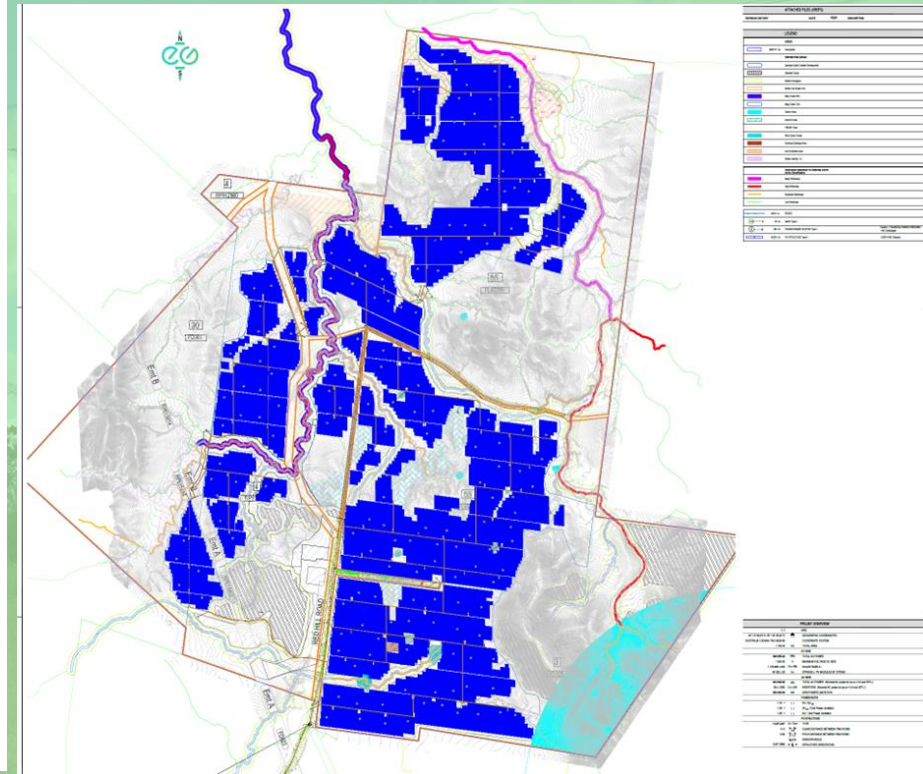
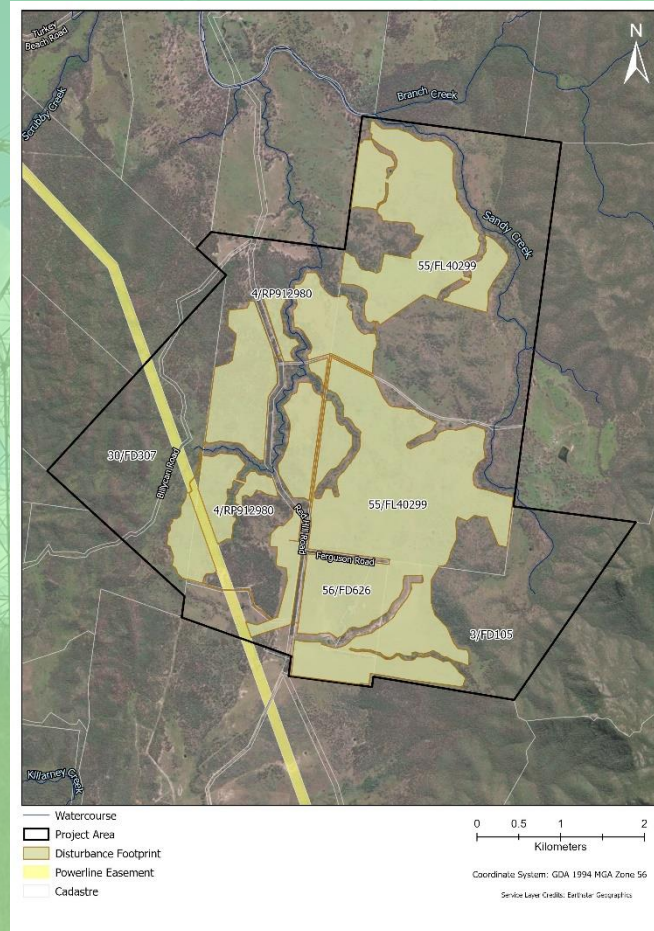
### Status

#### ○ EPBC

- Environment Protection and Biodiversity Conservation Act 1999 (EPBC) Referral submitted – 22 February 2024
- Referral deemed valid – 1 May 2024
- Controlled action decision made – 29 May 2024
- PER guidelines issued – 5 July 2024
- PER submission completed – December 2024

#### Next steps:

- DCCEEW assessment of adequacy – in progress
- Eurimbula’s public consultation following assessment to follow
- DCCEEW assessment of consultation and outcome
- EPBC approval granted



# Eurimbula - Australia

696MWp Solar PV + 666MW BESS



## Status

- **PPA**
- **EPC and Equipment**





### Power system connections

EPEC Group is providing grid support services including feasibility studies, connection enquires, compliance and studies necessary for the GPS process

It is an engineering contractor, providing high voltage power engineering, procurement and construction for renewable energy providers. It manages connections to the NEM on behalf of developers



### Network stability + stable operations testing

The University of Queensland is assisting with de-risking the connection of the project by providing compliance and hardware testing services and ongoing commercial operational testing

Eurimbula is designed with grid forming inverters to provide voltage waveform stability. It is strategically positioned to demonstrate the benefits of this technology



### Power market consultants

ITP were engaged to advise on layouts, designs and models to optimise the BESS size, factoring for the grid constraints and relevant market conditions, including preliminary design

ITP Renewables is a technical consultancy established in 2003 with offices throughout Australia and a head office in Canberra. Has consulted on over 2,000 energy projects



### Environment consultant

2rog is an environmental consultancy engaged to lead the EPBC process. Its role includes managing all aspects of ecological assessments and ensuring compliance with environmental regulations

Brings extensive experience in environmental and social impact assessment, with a strong commitment to sustainability. The firm has worked on numerous projects across various sectors

### Consultants and partners used to date



### Transmission network operators

Elements Green is working closely with Powerlink who will provide the grid connection agreement, and be responsible for delivering the non-contestable substation works

Powerlink is a Government-owned corporation that owns, develops and operates the high voltage electricity transmission network in Queensland. Its network extends 15k circuit km of transmission lines



### Infrastructure advisor

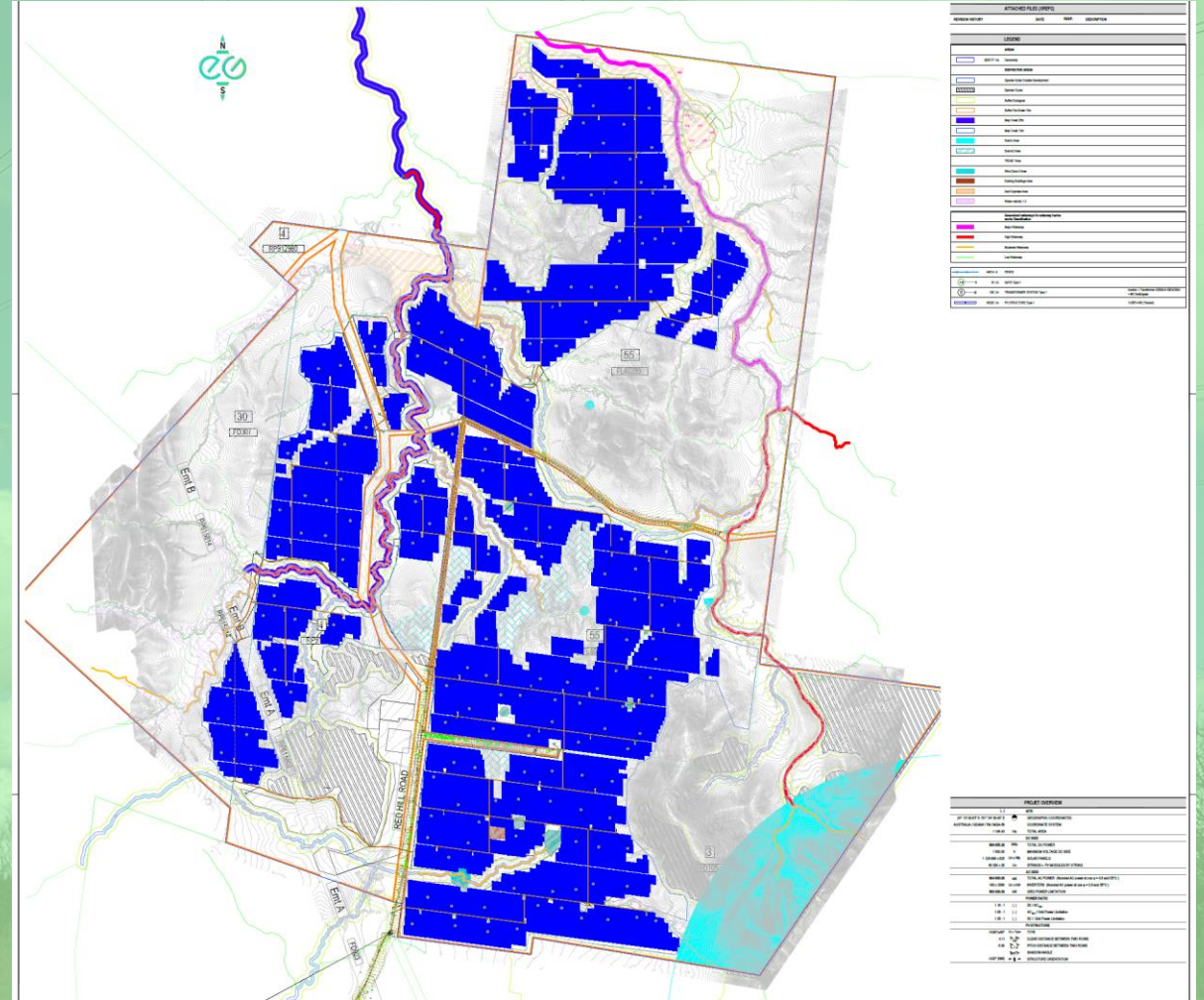
Vision Infrastructure provides comprehensive project management support for the project, ensuring effective oversight across all aspects of the project

Established as a full-service consultancy across energy and infrastructure, Vision Infrastructure leverages decades of industry experience to deliver pragmatic solutions that integrate seamlessly into project teams



### The Project

- **696MWp Solar PV**
- **666MW BESS**
- **~A\$2bn** in capital expenditure
- Generation equivalent to more than **200,000 households**
- Peak site employment will be **450-550 jobs**
- **7.33%** contribution to Queensland RE 2030 target
- **1,462 GWh** of generation per annum
- **2,825 Ha** of Land
  
- **Next steps**
- **EPBC approval – time delay**
- **DA time extension**
- **Progress to continue**





elements green

THANKYOU

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