



## Planning and Sustainable Development

**Correspondence address** Cornwall Council - Planning, PO Box 676, Threemilestone, Truro, TR1 9EQ  
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[www.cornwall.gov.uk](http://www.cornwall.gov.uk)

### Application for Planning Permission

### Town and Country Planning Act 1990 (as amended)

#### Publication of applications on planning authority websites

Please note that the information provided on this application form and in supporting documents may be published on the Authority's website. If you require any further clarification, please contact the Authority's planning department.

#### Site Location

**Disclaimer:** We can only make recommendations based on the answers given in the questions.

If you cannot provide a postcode, the description of site location must be completed. Please provide the most accurate site description you can, to help locate the site - for example "field to the North of the Post Office".

Number

Suffix

Property Name

Address Line 1

Address Line 2

Address Line 3

Town/city

Postcode

Description of site location must be completed if postcode is not known:

Easting (x)

Northing (y)

Description

## Applicant Details

### Name/Company

Title

Prof

First name

Daniel

Surname

Conley

Company Name

University of Plymouth

### Address

Address line 1

Portland Square, B313

Address line 2

Drake Circus

Address line 3

Town/City

Plymouth

County

Devon

Country

United Kingdom

Postcode

PL4 8AA

Are you an agent acting on behalf of the applicant?

Yes

No

### Contact Details

Primary number

\*\*\*\*\* REDACTED \*\*\*\*\*

Secondary number

Fax number

Email address

## Site Area

What is the measurement of the site area? (numeric characters only).

Unit

## Description of the Proposal

Please note in regard to:

- **Fire Statements** - From 1 August 2021, planning applications for buildings of over 18 metres (or 7 stories) tall containing more than one dwelling will require a 'Fire Statement' for the application to be considered valid. There are some exemptions. [View government planning guidance on fire statements](#) or [access the fire statement template and guidance](#).
- **Permission In Principle** - If you are applying for Technical Details Consent on a site that has been granted Permission In Principle, please include the relevant details in the description below.
- **Public Service Infrastructure** - From 1 August 2021, applications for certain public service infrastructure developments will be eligible for faster determination timeframes. See help for further details or [view government planning guidance on determination periods](#).

### Description

Please describe details of the proposed development or works including any change of use

The University of Plymouth (UoP) has been operating a shore-based high-frequency (HF) ocean Wellen radar (WERA) system since 2011 in Pendeen and Perranporth, North Cornwall. This system effectively monitors and measures waves and currents in near real-time, making it valuable for coastal research and offshore renewable energy applications. Over the past decade, this facility has played a prominent role in advancing the field of Marine Renewable Energy, positioning the South West as a global leader in this vital field. Consequently, it has been part of and has received funding from significant research projects in this area (e.g., MERiFIC, MARINE i, Cornwall FLOW).

In this application, the existing system in Perranporth will be upgraded to include an additional frequency for testing vessel monitoring in UK territorial waters up to 100 nautical miles from the coast, over a period of 6 to 12 months. The Joint Maritime Security Centre (JMSC) sponsors this work. JMSC's mission is to increase awareness and understanding of maritime security threats and enable cross-government coordination to deliver a coordinated multi-department response to maritime security incidents which threaten the UK. Key to ensuring a proportionate and effective response to incidents is a clear understanding of current maritime activity. This technology has the potential to support organisations involved in conducting maritime security in areas such as Serious and Organised Crime, Policing, Fisheries and Environmental Protection, Smuggling and Immigration.

To obtain this information, the radar installation at Perranporth Airfield will incorporate a temporary installation of an additional 4-element transmit antenna (TX) and an additional 16-element phased array receive antenna (RX) by extending the existing setup. The final system will have two sets of TX antennas (green dots on the location plan) composed of 4 aerials arranged in a rectangle and 2 sets of RX antennas (dark/light red dots on the location plan) composed of 16 aerials each with all 32 aerials located along a single line. The RX array will have a length of 350m, extending the existing array by approximately 100m with 16 new aerials. The new set of TX is placed at the corners of a rectangle, approximately 25m x 7m in dimension, closer to the shore while the old one remains close to the RX array.

Each antenna aerial is approximately 6m high and will be fixed to the ground and supported by guy wires. Cables from each antenna (white line on the location plan) will be housed above ground within a protective cable conduit and routed back to the existing laboratory housing (blue rectangle on the location plan). The entire setup is designed in a way that avoids disturbing archaeological sites, mines, and buildings.

Cornwall Council Planning and Regeneration have approved the prior planning applications with reference numbers PA10/05731 for Perranporth and W1/10-0114 for Pendeen.

Has the work or change of use already started?

- Yes  
 No

## Existing Use

Please describe the current use of the site

The existing facility at the Perranporth airfield consists of a 4-element transmit antenna and a 16-element phased array receive antenna for operational monitoring of waves and currents around the Wave Hub site, as described in the prior accepted planning application with reference number PA10/05731.

Is the site currently vacant?

- Yes  
 No

**Does the proposal involve any of the following? If Yes, you will need to submit an appropriate contamination assessment with your application.**

Land which is known to be contaminated

- Yes  
 No

Land where contamination is suspected for all or part of the site

- Yes  
 No

A proposed use that would be particularly vulnerable to the presence of contamination

- Yes  
 No

## Materials

Does the proposed development require any materials to be used externally?

- Yes  
 No

Please provide a description of existing and proposed materials and finishes to be used externally (including type, colour and name for each material)

**Type:**

Other

**Other (please specify):**

transmit and receive antenna

**Existing materials and finishes:**

The existing transmit and receive antennas have as aerial an aluminium tube 3 cm in diameter and 4 m in height with wooden posts as described in the prior application (PA10/05731). The aerials are reinforced by guy lines which are anchored using aluminium stakes. Antenna cables are gathered into plastic conduit which is laid on the ground for the run back to the laboratory housing.

**Proposed materials and finishes:**

The aerials of the new transmit (TX) antenna will be aluminium tubes 3 cm in diameter and 6 m in height and they will be placed at the vertex of a rectangle of approximate dimensions 25 m x 7 m. The aerial of the receive (RX) antenna will be 3 cm aluminium tubes 4 m in height and will be placed along a line which will roughly parallel the airfield service road and all of them will be fixed using wooden posts. Aerials will be reinforced by guy lines that will be anchored into the ground using aluminium stakes. Antenna cables will be gathered into plastic conduit which will be laid on the ground for the run back to the laboratory housing. Previous experience in the location indicates that the conduit will rapidly become obscured by the growth of natural vegetation.

Are you supplying additional information on submitted plans, drawings or a design and access statement?

- Yes  
 No

## Pedestrian and Vehicle Access, Roads and Rights of Way

Is a new or altered vehicular access proposed to or from the public highway?

- Yes  
 No

Is a new or altered pedestrian access proposed to or from the public highway?

- Yes  
 No

Are there any new public roads to be provided within the site?

- Yes  
 No

Are there any new public rights of way to be provided within or adjacent to the site?

- Yes  
 No

Do the proposals require any diversions/extinguishments and/or creation of rights of way?

- Yes  
 No

## Vehicle Parking

Does the site have any existing vehicle/cycle parking spaces or will the proposed development add/remove any parking spaces?

- Yes  
 No

## Trees and Hedges

Are there trees or hedges on the proposed development site?

- Yes  
 No

And/or: Are there trees or hedges on land adjacent to the proposed development site that could influence the development or might be important as part of the local landscape character?

- Yes  
 No

**If Yes to either or both of the above, you may need to provide a full tree survey, at the discretion of the local planning authority. If a tree survey is required, this and the accompanying plan should be submitted alongside the application. The local planning authority should make clear on its website what the survey should contain, in accordance with the current 'BS5837: Trees in relation to design, demolition and construction - Recommendations'.**

## Assessment of Flood Risk

Is the site within an area at risk of flooding? (Check the location on the Government's [Flood map for planning](#). You should also refer to national [standing advice](#) and your local planning authority requirements for information as necessary.)

- Yes  
 No

Is your proposal within 20 metres of a watercourse (e.g. river, stream or beck)?

- Yes  
 No

Will the proposal increase the flood risk elsewhere?

- Yes  
 No

How will surface water be disposed of?

- Sustainable drainage system  
 Existing water course  
 Soakaway  
 Main sewer  
 Pond/lake

## Biodiversity and Geological Conservation

## Biodiversity and Geological Conservation

Is there a reasonable likelihood of the following being affected adversely or conserved and enhanced within the application site, or on land adjacent to or near the application site?

To assist in answering this question correctly, please refer to the help text which provides guidance on determining if any important biodiversity or geological conservation features may be present or nearby; and whether they are likely to be affected by the proposals.

a) Protected and priority species

- Yes, on the development site  
 Yes, on land adjacent to or near the proposed development  
 No

b) Designated sites, important habitats or other biodiversity features

- Yes, on the development site  
 Yes, on land adjacent to or near the proposed development  
 No

c) Features of geological conservation importance

- Yes, on the development site  
 Yes, on land adjacent to or near the proposed development  
 No

### Supporting information requirements

Where a development proposal is likely to affect features of biodiversity or geological conservation interest, you will need to submit, with the application, sufficient information and assessments to allow the local planning authority to determine the proposal.

Failure to submit all information required will result in your application being deemed invalid. It will not be considered valid until all information required by the local planning authority has been submitted.

Your local planning authority will be able to advise on the content of any assessments that may be required.

## Foul Sewage

Please state how foul sewage is to be disposed of:

- Mains sewer  
 Septic tank  
 Package treatment plant  
 Cess pit  
 Other  
 Unknown

Are you proposing to connect to the existing drainage system?

- Yes  
 No  
 Unknown

## Waste Storage and Collection

Do the plans incorporate areas to store and aid the collection of waste?

- Yes  
 No

Have arrangements been made for the separate storage and collection of recyclable waste?

- Yes  
 No

## Trade Effluent

Does the proposal involve the need to dispose of trade effluents or trade waste?

Yes

No

## Residential/Dwelling Units

Does your proposal include the gain, loss or change of use of residential units?

Yes

No

## All Types of Development: Non-Residential Floorspace

Does your proposal involve the loss, gain or change of use of non-residential floorspace?

Note that 'non-residential' in this context covers all uses except Use Class C3 Dwellinghouses.

Yes

No

## Employment

Are there any existing employees on the site or will the proposed development increase or decrease the number of employees?

Yes

No

## Hours of Opening

Are Hours of Opening relevant to this proposal?

Yes

No

## Industrial or Commercial Processes and Machinery

Does this proposal involve the carrying out of industrial or commercial activities and processes?

Yes

No

Is the proposal for a waste management development?

Yes

No



## Hazardous Substances

Does the proposal involve the use or storage of Hazardous Substances?

- Yes  
 No

## Site Visit

Can the site be seen from a public road, public footpath, bridleway or other public land?

- Yes  
 No

If the planning authority needs to make an appointment to carry out a site visit, whom should they contact?

- The agent  
 The applicant  
 Other person

## Pre-application Advice

Has assistance or prior advice been sought from the local authority about this application?

- Yes  
 No

## Authority Employee/Member

With respect to the Authority, is the applicant and/or agent one of the following:

- (a) a member of staff  
(b) an elected member  
(c) related to a member of staff  
(d) related to an elected member

It is an important principle of decision-making that the process is open and transparent.

For the purposes of this question, "related to" means related, by birth or otherwise, closely enough that a fair-minded and informed observer, having considered the facts, would conclude that there was bias on the part of the decision-maker in the Local Planning Authority.

Do any of the above statements apply?

- Yes  
 No

## Ownership Certificates and Agricultural Land Declaration

Certificates under Article 14 - Town and Country Planning (Development Management Procedure) (England) Order 2015 (as amended)

Please answer the following questions to determine which Certificate of Ownership you need to complete: A, B, C or D.

Is the applicant the sole owner of all the land to which this application relates; and has the applicant been the sole owner for more than 21 days?

- Yes  
 No

Can you give appropriate notice to all the other owners/agricultural tenants? (Select 'Yes' if there are no other owners/agricultural tenants)

Yes

No

## Certificate Of Ownership - Certificate B

I certify/ The applicant certifies that:

- I have/The applicant has given the requisite notice to everyone else (as listed below) who, on the day 21 days before the date of this application, was the owner\* and/or agricultural tenant\*\* of any part of the land or building to which this application relates; or
- The applicant is the sole owner of all the land or buildings to which this application relates and there are no other owners\* and/or agricultural tenants\*\*.

\* "owner" is a person with a freehold interest or leasehold interest with at least 7 years left to run.

\*\* "agricultural tenant" has the meaning given in section 65(8) of the Town and Country Planning Act 1990

Owner/Agricultural Tenant

**Name of Owner/Agricultural Tenant:**

\*\*\*\*\* REDACTED \*\*\*\*\*

**House name:**

**Number:**

34

**Suffix:**

**Address line 1:**

Make A Shake, 34 Fore Street

**Address Line 2:**

**Town/City:**

St. Austell, Cornwall

**Postcode:**

PL25 5EP

**Date notice served (DD/MM/YYYY):**

03/11/2023

**Person Family Name:**

Person Role

The Applicant

The Agent

Title

Prof

First Name

Daniel

Surname

Conley

Declaration Date

03/11/2023

Declaration made

## Declaration

I/We hereby apply for Full planning permission as described in the questions answered, details provided, and the accompanying plans/drawings and additional information.

I/We confirm that, to the best of my/our knowledge, any facts stated are true and accurate and any opinions given are the genuine opinions of the person(s) giving them.

I/We also accept that, in accordance with the Planning Portal's terms and conditions:

- Once submitted, this information will be made available to the Local Planning Authority and, once validated by them, be published as part of a public register and on the authority's website;
- Our system will automatically generate and send you emails in regard to the submission of this application.

I / We agree to the outlined declaration

Signed

Nikolas Martzikos

Date

03/11/2023