



Land off Central Avenue Hydrogen Production Facility, Green Infrastructure Plan

The application site shown red on Drawing No. **PRO1013/01/02** attached to the Planning Statement (The Site) measures 0.6ha, with the development area comprising existing hardstanding. Unoccupied graveled areas along the eastern and southern boundaries of the Site include established ephemeral vegetation and a small area of self-set scrub is located along the north-western boundary of the site, outside the development area. A strip of modified grassland is located off the private access road within the Site, but out-with the development area. In addition, woodland plantation is located along the western boundary of the Site, but out-with the application boundary (and Site fence line).

The Proposed Development will produce up to 960 kgs of green hydrogen per day, which will be transported offsite to regional customers. It is estimated that the hydrogen produced will abate approximately 3,000 tonnes of CO₂ per year. The Proposed Development supports both Neath Port Talbot County Borough Council's and the Welsh Government's net zero targets.

A Green Infrastructure Plan (Drawing No. **PRO1013/02/01** (500m radius)) has been prepared to support the planning application and considers the green linkages within the surrounding area of the Site, and identifies the enhancement area within the Application Boundary to be established as part of the Proposed Development.

In developing this Green Infrastructure Strategy, consideration was given to the stepwise approach when assessing the potential impact of a development on identified habitats and species. The iterative stages of stepwise include avoid, minimise, mitigate, and as a last resort compensate as well as enhance. It should be noted that the Site is located within a heavily industrialised area and is identified as an Existing Employment Area (EC2) under the adopted Local Development Plan.

Given the nature of the Site and surrounding industrial estate along with the nature of the Proposed Development, there are no opportunities to allow for public access within or through the Site. The Proposed Development does not preclude any existing green linkages surrounding the Site.

Protection for statutory and non-statutory sites and habitats:

- No statutory or non-statutory ecological designated sites cover the Site or are located within the immediate surrounding area;
- The Proposed Development is situated on the existing hardstanding and permeable surfacing within the Site;
- The Proposed Development has been designed to avoid root protection areas of the adjacent woodland plantation which extend into the Site (refer to Drawing No. 13164-T-02 attached to the Arboricultural Report presented in **Appendix B**); and
- Only one small group of trees is located within the Application Boundary near the access gates (Group 1) and will be retained.

The proposed Green Infrastructure features to be included as part of the Proposed Development include:

- Existing green linkages surrounding the Site retained and protected;
- Existing vegetation surrounding the Site retained;
- An area of modified grassland on the verge off the private access road will be enhanced and managed, details of which will be provided within a Construction Environmental Management Plan (CEMP).

It is considered that the proposed enhancement area will improve the ecological connectivity of the application site and surrounding area.



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- KEY**
- SITE BOUNDARY
 - Study Area 500m
 - Railway Track
 - Existing Building
 - Existing Woodland
 - Area of Proposed Enhancement of Grassland
 - Surface Water Area
 - Green Links

- OS Greenspace Site**
- Allotments Or Community Growing Spaces
 - Bowling Green
 - Playing Field
 - Public Park Or Garden
 - Tennis Court

- National Cycle Network Public**
- National Cycle Route 4 (London to Fishguard)

- Roads**
- A Road
 - Minor Road
 - Motorway

CLIENT

PROTIUM

sirius Planning

4245 Park Approach Thorpe Park Leeds LS15 9GB 0113 264 9960

JOB TITLE

HYDROGEN PRODUCTION FACILITY,
LAND OFF CENTRAL AVENUE

DRAWING TITLE

GREEN INFRASTRUCTURE
PLAN

DRAWN	DATE	APPROVED	DATE
K.P	26/03/2025	A.S.	
SCALE	1:5000	SHEET	A3L
DRAWING NUMBER	PRO 1013 02 01 R0	REVISION	0