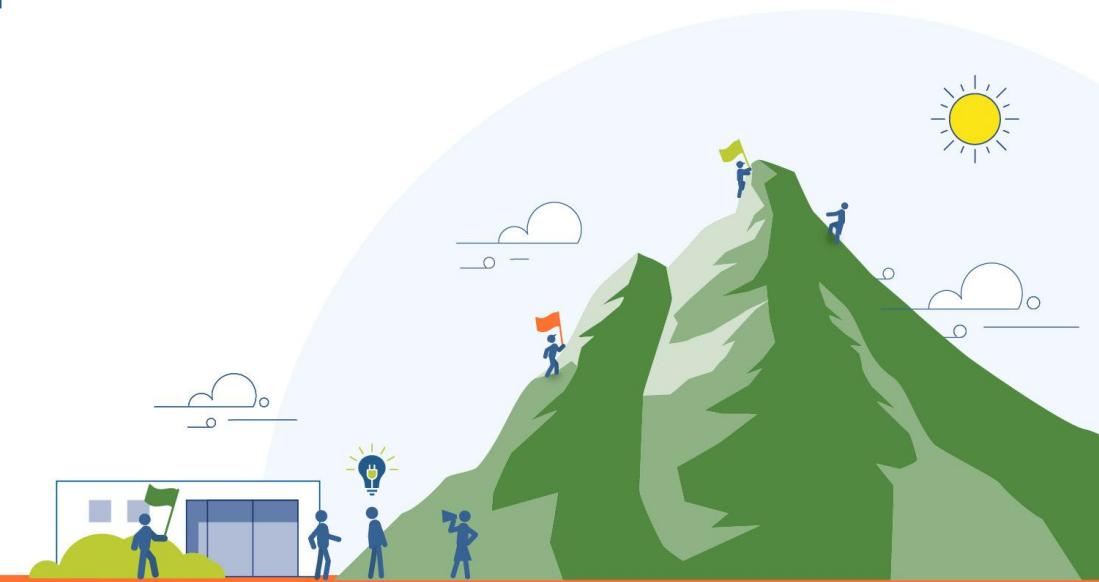




# Innovation Basecamp 2026

4<sup>th</sup> February 2026 – Park Plaza, London



## Introduction

### UK Power Networks

- **Peter Lang**
- **Innovation incubator**
- **Problem statement – Vegetation Management in RMHZ**

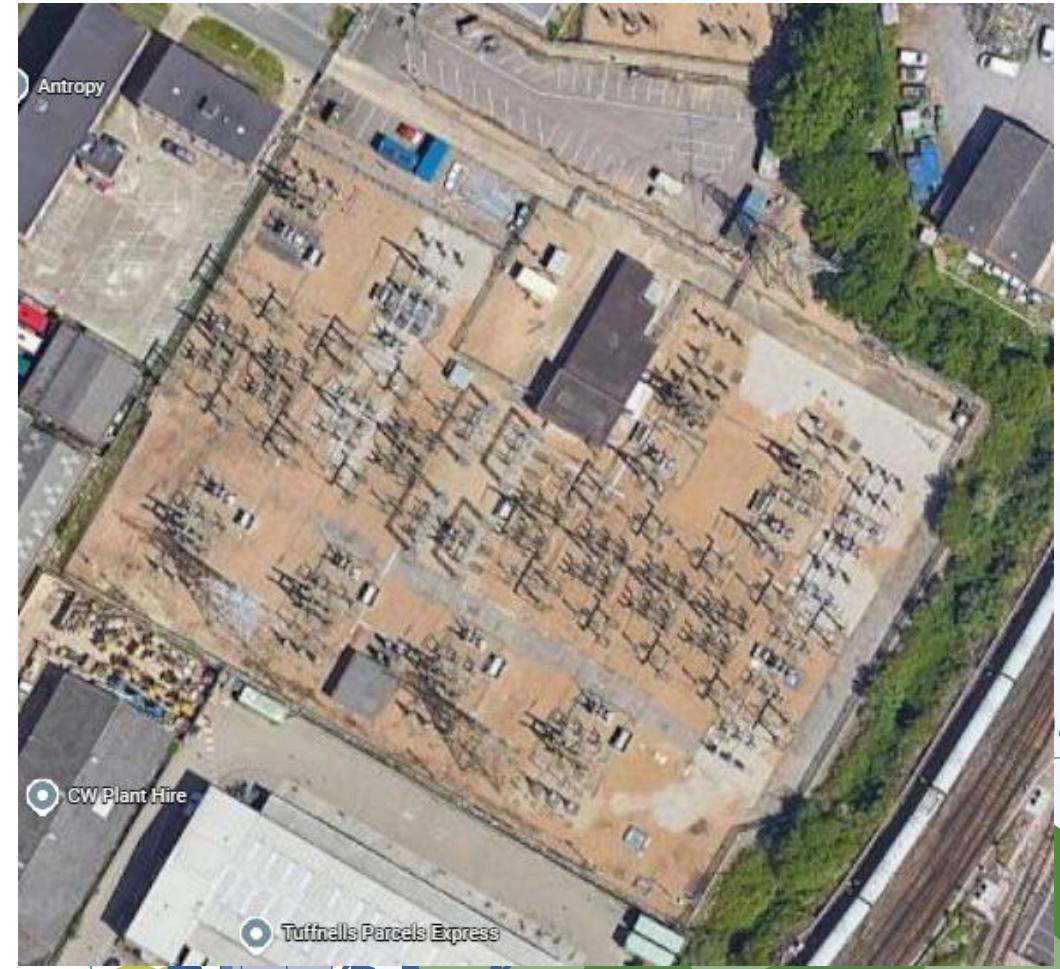


## Background Information

- A RMHZ is a Risk Management Hazard Zone
- Limited access to areas within substation compounds
- Weeds and Vegetation continue to germinate and grow

Key background details and facts:

- Over 1900 Grid and Primary Substations
- Substation compounds range from 800m<sup>2</sup> to over 10,000m<sup>2</sup>
- Uneven shingle surfaces with concrete pathways
- Various fast-growing types of vegetation



## What are the Problems?

### What are the key issues?

- Typical access time in a RMHZ < 15 minutes
- Vegetation continues to grow
- Surfaces are uneven

### Why do you think these are the issues?

- Clearing vegetation can take many hours
- Vegetation must be cleared to maintain security of supply



# Our Expectations

## What are we looking for?

### **Solution Expectations:**

- Autonomous method to control vegetation
- Have a device that can be delivered to site, setup, left to clear the vegetation, and collected to be moved to another location.
- Monitors its state of charge and manages a recharge if necessary.
- Plans a route avoiding substation structures and reports areas where clearing could not be carried out.
- Dispenses weedkiller to reduce vegetation reoccurrence



## **IMPORTANT**

**It is important for all innovators to note  
that we are looking for plans rather than  
just ideas as solutions.**



## Key Contacts:

- **For further information / Clarity:**

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- **ANY QUESTIONS?**





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