



Innovation Basecamp 2026

4th 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 800m² to over 10,000m²
- 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:**

Peter Lang peter.lang@ukpowernetworks.co.uk 07875 111863

- **ANY QUESTIONS?**





Energy Networks Association

4 More London Riverside

London SE1 2AU

t. +44 (0)20 4599 7700

🐦 @EnergyNetworks
energynetworks.org

© ENA 2023

Energy Networks Association Limited is a company registered in England & Wales No. 04832301
Registered office: 4 More London Riverside, London SE1 2AU

scan me



Subscribe to our
newsletter to
receive updates
from ENA

[energynetworks.org/
subscribe](https://energynetworks.org/subscribe)

