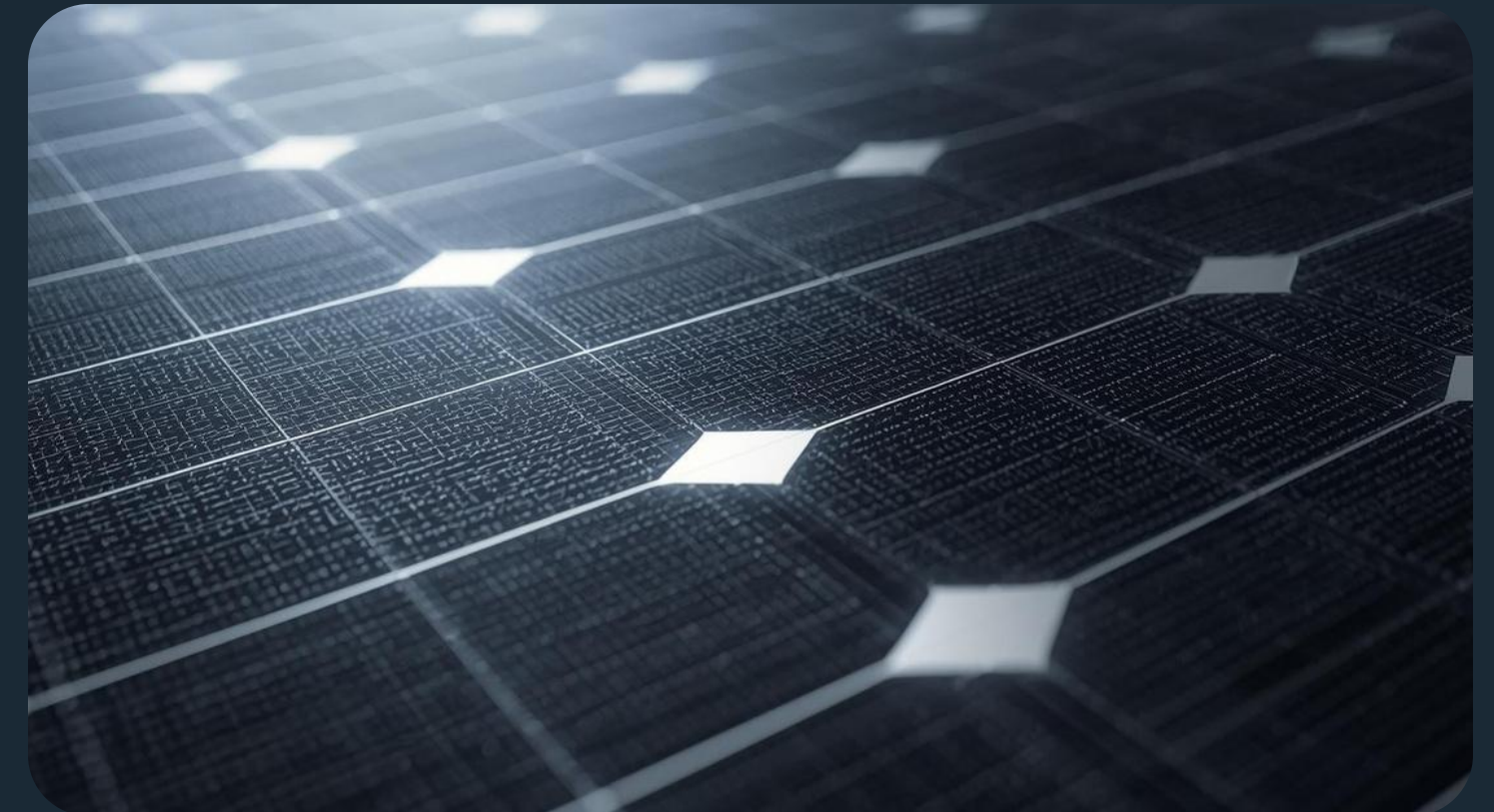


GEP Nest 600

UK-focused micromobility charging solution

*A charging system specifically designed for light electric mobility vehicles,
developed from the outset to suit the UK market and its real-world conditions*



Presented by
Dr Majid Hazeri

PROBLEM:

The Energy Access Challenge



PROBLEM WITH ALTERNATIVES

Rooftop Solar: 8–12 years ROI, fixed, power only.

Solar Carports/Bus Shelters: Expensive, immobile, single-use.

Beam EV ARC: Portable but costs £48k–£53k, ROI 15+ years.

CHALLENGE

Fixed solar systems are underutilised in the UK (autumn/winter = <10% efficiency).

SOLUTION



GEP Nest 600

- Portable
- Easy to Use
- Multipurpose
- Rapid ROI (<1 year rentals, ~5 years ownership).

SOLUTION:

GEP Nest-600

- ✓ The GEP Nest 600 is a portable, solar-powered smart energy unit designed to address the lack of flexible, off-grid charging infrastructure for e-scooters and e-bicycles in the UK.
- ✓ With a user-friendly digital interface, the system enables simple monitoring and control of energy usage while delivering reliable, clean power without grid dependency.
- ✓ Developed by GEP Innovation Limited, a UK-based renewable energy company, the GEP Nest 600 combines power generation, charging capability, and shelter in a single mobile unit, making it ideal for councils, property developers, event operators, and micromobility providers across UK cities.



SOLUTION:

Technology

Solar-Powered

Provides clean energy for remote locations and communities.



Modular Design

Adapts to various energy needs and configurations seamlessly.



- 600 W Output Capacity
 - *Reliable power for Micromobility & light commercial use.*
- 1200 Wh Battery Pack
 - *Long-lasting energy storage.*
- Quick Deployment
 - *Ready to use in under 10 minutes*

User-Friendly

Simple operation ensures accessibility for all users.



Digital Screen

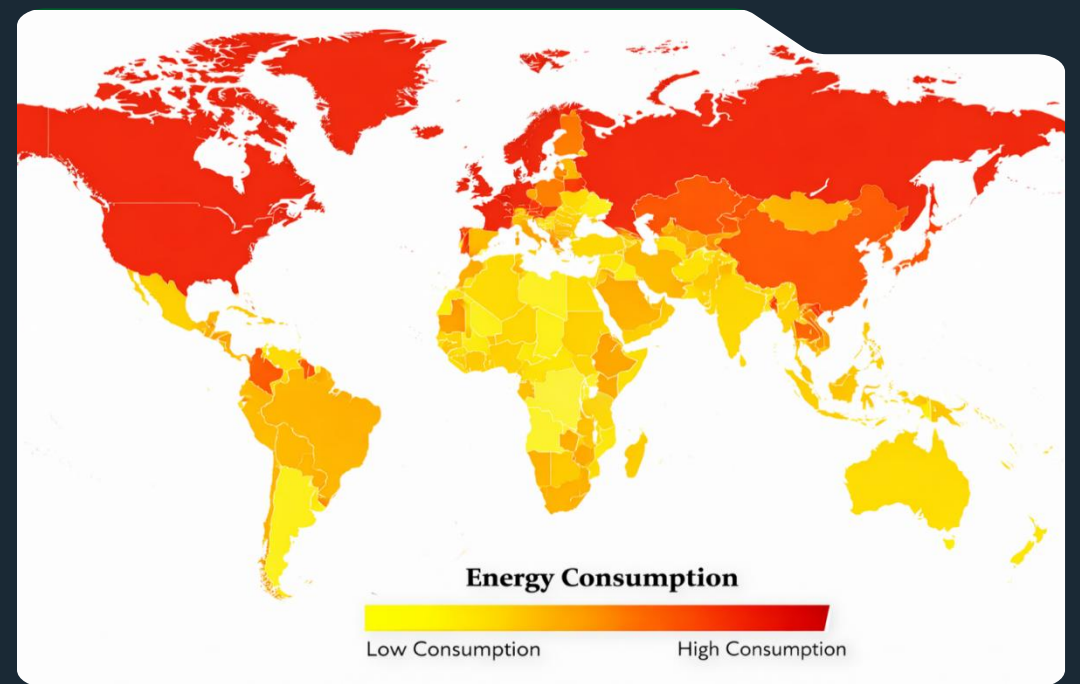
Enables real-time monitoring and easy user interaction.



Vision

(Future Expansion – Post UK Validation)

Large regions across Africa, the Middle East, South Asia, and Latin America face rising energy demand, weak grid infrastructure, and high solar availability. This creates strong demand for portable, off-grid power solutions. The device targets off-grid communities, weak-grid urban areas, disaster response, construction, telecom, and humanitarian operations—where fast deployment, reliability, and clean energy are critical. The market sits at the intersection of high energy need, unreliable grids, and abundant solar resources.



The demand for off-grid energy solutions is experiencing substantial growth, driven by the need for sustainable alternatives to traditional power sources. With over 800 million individuals lacking reliable electricity, innovative products like GEP Nest 600 are critical for bridging this energy gap globally.



Electric tools



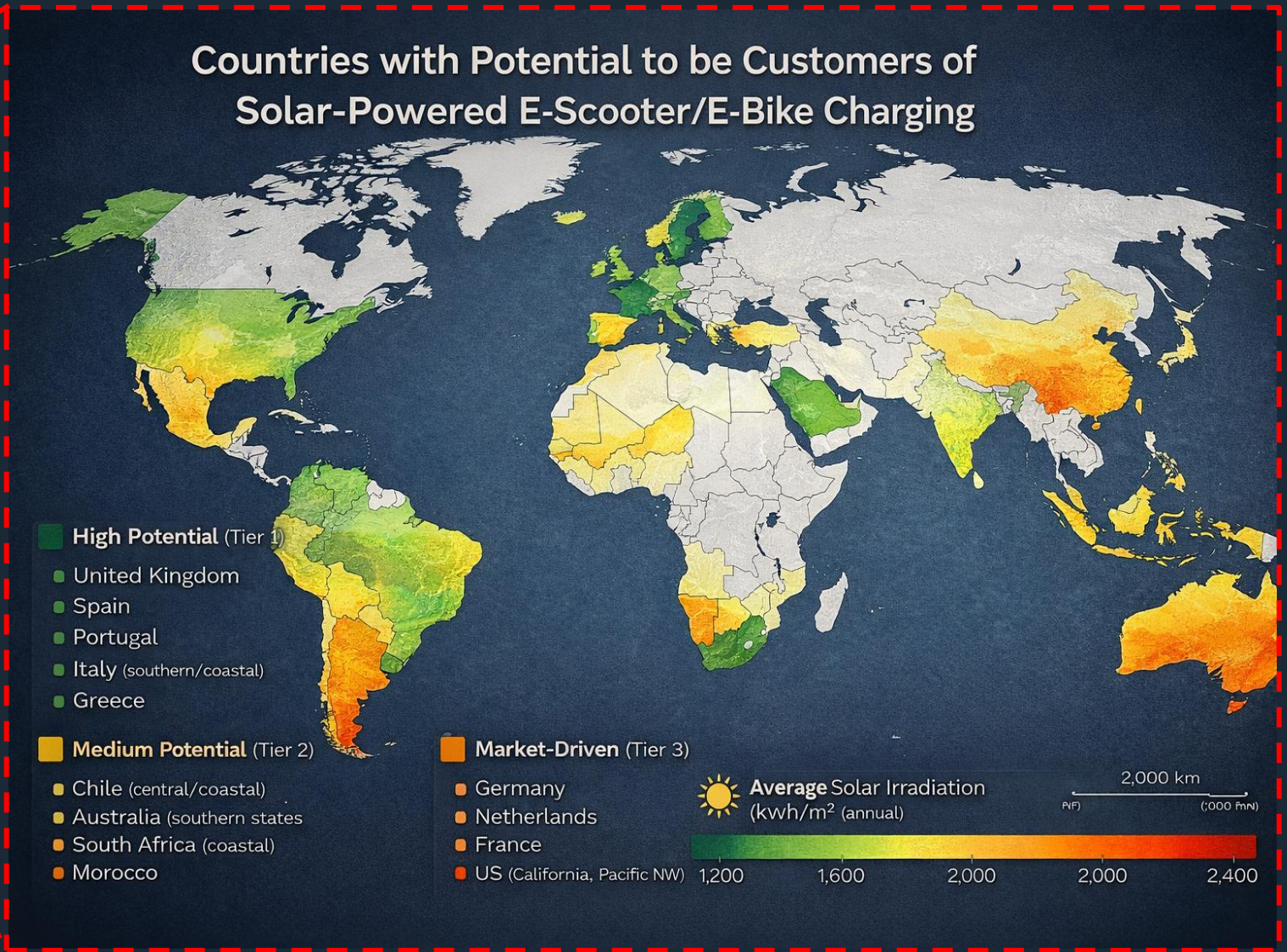
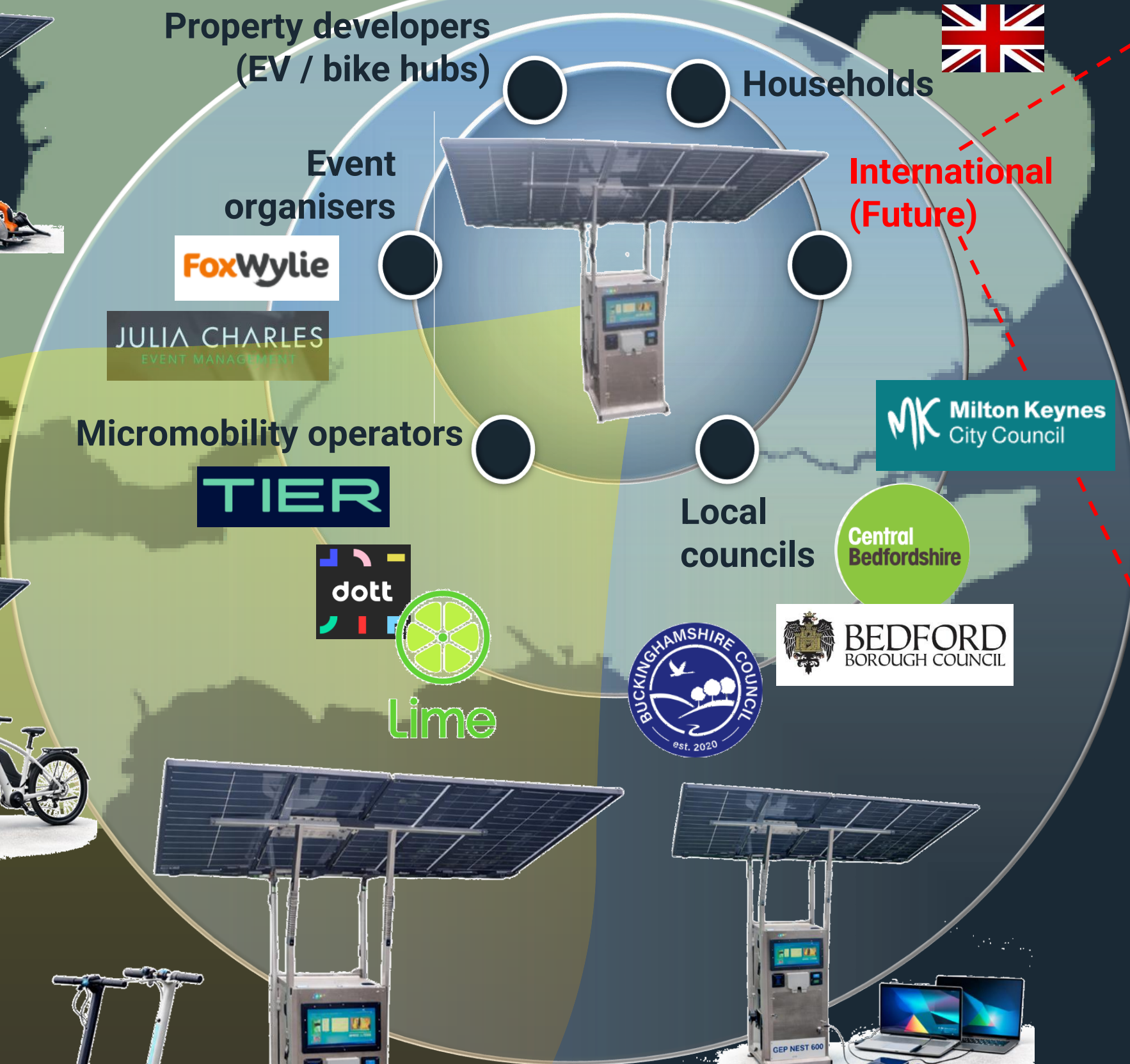
E-Bikes



E-Scooters



Mobile devices & laptops



Market Opportunity

- Faster ROI than any fixed system.
- Diversified revenue: predictable contracts + recurring rentals.
- Resilience: not tied to local seasonality/policies.
- Scalable: bulk container transport, modular deployment.



Business Model

UK ONLY Mix REVENUE:

- Developers & Councils – 30%
- Rentals & Events – 30%
- Residential – 15%
- International Exports – 20%
- Humanitarian NGOs – 5%

VALUE PROPOSITION:

- ROI in <1 year rentals vs 8–12 years fixed solar.
- Mobile asset → follows the sun for year-round profits.
- Flexible applications → power + shelter + charging station.

SEASONAL RELOCATION (Future)

- UK summer (festivals, homes, EV carports)
- Middle East/US winter (cafés, tourism, NGOs, disaster relief).

Diverse revenue streams for sustainability

GEP Nest 600 generates revenue through **direct sales** to governments and NGOs (B2B), **lease** options for end users (B2B2C), and comprehensive **service contracts** to ensure ongoing support and maintenance.



Traction & Milestones

15 Months

Stage 0 ✓

Oct 2025 – Dec 2025
Concept Validation

- **1 Unit Manufacturing**
- Founder-led R&D initiated with personal funding
- First functional prototype (GEP NEST 600) designed and built
- Core system validated:
 - Solar input
 - Battery storage
 - Multi-output power delivery
 - Portable & modular structure

Cost: £10,000

Outcome:

Working prototype built without external funding

Stage 1 →

Jan 2026 – Mar 2026
MVP Validation

- **5 Unit Manufacturing**
- Live functional demonstrations
- Key capabilities validated:
 - Rapid deployment (<10 minutes)
 - Stable power output in Different Area
 - Touchscreen interface
- Use cases validated:
 - E-scooters
 - E-bicycles
 - Mobile devices & electric tools

Budget: £15,000

Outcome:

MVP is technically validated and demo-ready

Stage 2 ✗

Apr 2026 – Jun 2026
Pilot Deployments & Early Market Testing

- Small-scale pilot deployments with early adopters
- User feedback collection and product iteration
- Mechanical and electrical optimisation for manufacturability
- Preparation for certification and compliance requirements
- IP54 / IP65 Certifications

Budget: £15,000

Outcome:

Product refined for first commercial use

Stage 3 ✗

Jul 2026 – Dec 2026
Market Entry Preparation.

- **50 Unit Manufacturing**
- Initial production planning
- Strategic partnerships exploration
- Go-to-market strategy execution for micromobility charging segment

Budget: £350,000

Outcome:





first commercial rollout



Competitive Advantage

Why GEP Nest 600 Stands Out?

Designed specifically for UK micromobility infrastructure, the GEP Nest 600 combines high-efficiency solar technology with a smart digital interface for reliable, real-time energy management. By reducing reliance on conventional fuels and using a modular, scalable design, it significantly lowers operational costs while adapting to diverse energy needs.

	DEVICE TYPE	DAILY RENTAL FEE	NOTES	REVENUE POTENTIAL
	FUEL GENERATOR (1KW)	£20–£40/day	Fuel cost ~£4.75 per 5 hours; noisy/polluting	High/Medium ROI (fuel + maintenance costs)
	POWER STATION (~1KWH)	£20–£40/day	No built-in solar; limited rental demand	Low ROI (no additional revenue sources)
	FIXED ROOF SOLAR PANELS (4-10KW)	Limited rental option Selling fee (£10,000- £16,000)	Fixed and its not efficient in winter	Very low +10 years ROI
	GEP NEST 600 (1.2KW)	£5–£8/day	Solar-powered, no fuel, 17" advertising display, shelter	High ROI (rental + advertising revenue)

Team



Founder & Director

Dr. Majid Hazeri



BIO:

- Mechanical & Aerospace Engineer.
- 8+ years of R&D in UAVs, hybrid propulsion, and renewable systems.
- 6 Patents (WIPO) – including hybrid aircraft engines, multipurpose generators, and dual-use drones.
- Now focused on practical, deployable energy infrastructure

EXPERIENCE:

- Designed solar UAVs, hybrid engines, and flight simulators.
- Led international projects in Turkey, Iran, and the UK.

GLOBAL RECOGNITION:

- Gold Medal – ICAN Toronto 2022
- Silver Medal – Silicon Valley SVIIF 2024
- Multiple IFIA awards (Switzerland, Geneva).



ASK



Investment Ask

£30,000 Pre-Seed Investment

UK Pilot Phase — GEP NEST 600



Product Refinement

Pilot-ready reliability
& usability



UK Pilot Deployments

E-scooters & e-bikes validation



Compliance & Setup

Safety, documentation
& readiness

Outcome: Clear UK pilot validation within 3–6 months

Founder-built MVP with ~£10,000 personal investment

Investment Allocation

Total ROI for GEP NEST 600 units

THE PRODUCT	PRICE PER UNIT	UNIT QUANTITY	RENTAL FEE PER DAY	INITIAL INVESTMENT FOR THE FIRST YEAR	REVENUE PER YEAR
GEP NEST 600	£2300	50	£8	£350,000	£120,000
ADVERTISEMENT			£20		£250,000
FESTIVALS			£15		£50,000
TOTAL				£350,000	£420,000

Product Refinement & Reliability

- ✓ Mechanical and electrical optimisation for daily urban use
- ✓ Improved durability for outdoor deployment
- ✓ Finalising enclosure, safety, and usability

Goal: Make GEP NEST 600 pilot-ready for UK customers

UK Pilot Deployments

- ✓ Small-scale pilot installations (e-scooters & e-bikes)
- ✓ Field testing with councils, operators, and events
- ✓ User feedback and performance data collection

Goal: Validate real-world demand in UK cities

Compliance, Certification & Setup

- ✓ Electrical and safety compliance preparation
- ✓ Documentation and installation readiness
- ✓ Early-stage operational setup

Goal: Remove barriers to commercial rollout

Basic Operations & Contingency

- ✓ Assembly, logistics, and minor tooling
- ✓ Buffer for unforeseen pilot-stage costs

Goal: Keep execution on track without delays



Thank you



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