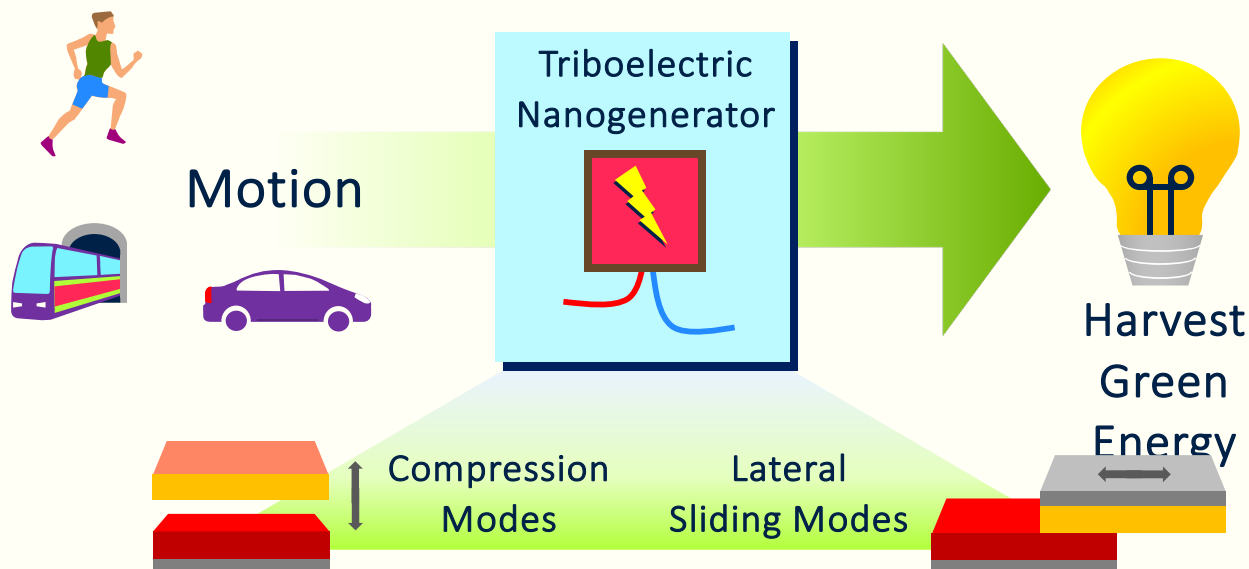


Opportunity: 21136

A low-cost nanogenerator capable of harvesting energy from motion



Applications: Automotive, wearable electronics, self-powered sensors, batteries



Features	Benefits
<ul style="list-style-type: none">■ A triboelectric nanogenerator capable of harvesting energy from motion.	<ul style="list-style-type: none">■ Low-cost green energy generation.■ Can be used in self-powered devices and sensors.
<ul style="list-style-type: none">■ Composed of readily available commercial materials.	<ul style="list-style-type: none">■ Minimizes cost of manufacturing.■ Simplified material supply chain.
<ul style="list-style-type: none">■ Operates in four working modes based on compression and lateral energy harvesting.	<ul style="list-style-type: none">■ Can be easily customized and tailored for use in various energy harvesting applications.
<ul style="list-style-type: none">■ Stable power output for over 100,000 cycles.	<ul style="list-style-type: none">■ Highly durable construction.■ Operates under conditions of prolonged mechanical shock.
<ul style="list-style-type: none">■ -150°C to 150°C operating temperature.	<ul style="list-style-type: none">■ Suitable for energy harvesting applications in extreme climate conditions and environments.

Patent pending and available for

- Licensing
- Co-development
- Consulting

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enquiries@innovation.ox.ac.uk

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