RE-GENERATED BY

Re-gener

Personal power generator for use in the defence industry

Re-gener is a startup developing a personal power source for soldiers in the field. The product is a compact, water-activated power generator based on disposable aluminum cartridges that provides up to 2x the energy density of Li-ion batteries. It eliminates the need for charging and reverse logistics – only lightweight “fuel” is supplied to soldiers. The power supply is the size of a standard magazine, rugged, non-toxic and suitable for long missions in supply-constrained environments.

Unique Selling Points:

- No recharging, no reverse logistics: only deliveries of lightweight cartridges instead of heavy batteries.
- Up to 2x higher energy density than Li-ion: significantly lower weight per mission.
- Instant energy production in the field: water activation, functional anywhere, anytime.

Product

Energy source

Technology readiness

- Development

Proof of concept

Prototype

First implementation

Extensive implementation

1/2025

B2G

www.re-gener.com