

Business Cases

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Gravitational Engines

Agenda – Powering the Circular Green Economy

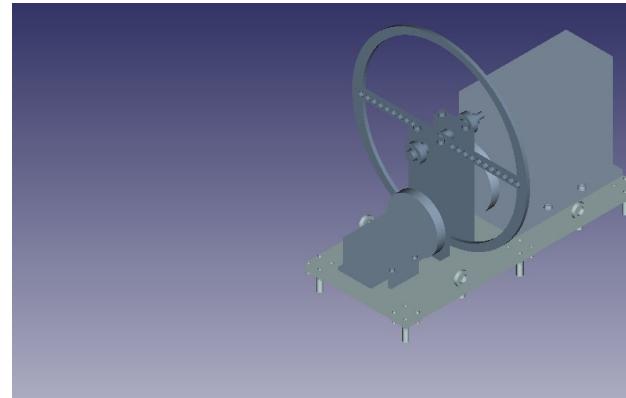
1. Introduction
2. From Gravity to Electricity
3. Business Applications & Green Technologies
4. Integrated Circular Ecosystem
5. Financial Engineering & Project Funding
6. Target Customers & Market Sectors
7. Regulatory & Deployment Conditions
8. Vision & Conclusion

Introduction - The Flywheel Gravitational Engine

Engine : Gravity-Powered Energy Generator – 7 kVA Output

Description :

- Harnesses **gravitational potential energy** via inertial flywheel technology
- Provides **stable, continuous, and low-carbon electricity** (≈ 4 kW usable output)
- **Autonomous 24/7 operation**, independent of weather or fossil fuels
- **Compact and modular** – suitable for industrial, remote, or off-grid sites



Technical details :

- Input: 550W | Output: 7kVA
- Weight: ~139 kg | Dimensions: 940×700×810 mm
- Price: €11,400 | Deposit: €5,700

Business Cases - Gravitational Engines

From Gravity to Electricity - How It Works

Subject :

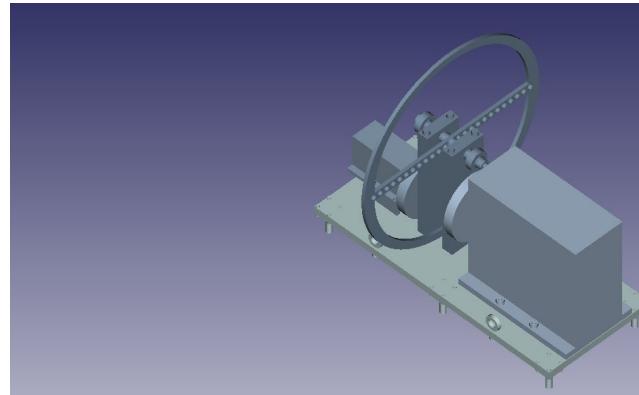
- *Converting Gravity into Continuous Power*

Visual suggestion :

- Gravity → Flywheel Rotation → Alternator → Electricity Output

Key Principles :

- Gravity drives the flywheel system
- Alternator converts mechanical energy to electrical power
- Starter battery only used for ignition; recharges automatically
- Operates continuously with no external energy input once started



Business Cases - Gravitational Engines

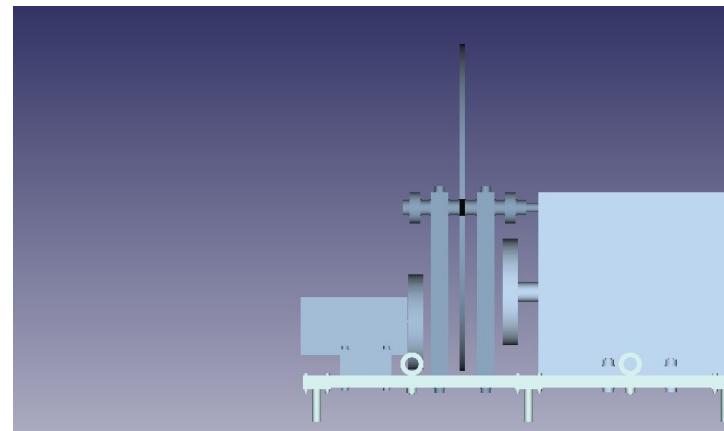
Business Case 1: Green Electricity Production

Subject :

- *Sustainable Power Generation Using Gravity*

Applications :

- Off-grid energy for industry, housing, or agriculture
- Replacement of diesel generators in remote areas
- Power for data centers and continuous-load systems



Advantages :

- Zero fuel cost, zero emissions
- Continuous baseload energy
- Minimal maintenance

Business Cases - Gravitational Engines

Business Case 2: Atmospheric Water Generation

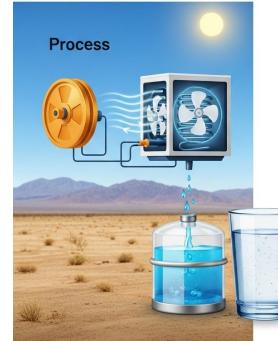
Subject :

- Producing Water from Air with Green Power

Process:

1. Flywheel electricity powers **Atmospheric Water Generators (AWGs)**
2. Condenses moisture from ambient air
3. Produces **pure, drinkable water** — ideal for arid regions

Business Case 2: Atmospheric Water Generation Producing Water from Air with Green Power



Benefits

- Independent of traditional water sources
- Fully off-grid, self-sustaining operation



Business Case 3: Hydrogen Production

Subject :

- Generating Green Hydrogen from Atmospheric Water

Process :

1. Use AWG water as feedstock
2. Electrolyze water using flywheel electricity
3. Produce **green hydrogen** and oxygen

Applications :

- Clean fuel for mobility, industry, or synthetic fuels
- Supports hydrogen infrastructure without fossil dependency



Business Case 4: Carbon Capture

Subject :

- *Extracting CO₂ from Ambient Air*

Process :

- Power **Direct Air Capture (DAC)** units using flywheel-generated electricity
- Capture and concentrate atmospheric CO₂ for reuse or storage

Outcome :

- Negative-emission operation
- Source of feedstock CO₂ for synthetic fuel synthesis



Business Case 5: E-Fuels & Synthetic Chemistry

Subject :

- Producing Renewable Fuels and Chemicals

Technologies:

- Sabatier Reactors → e-Methane (CH_4)
- Fischer-Tropsch Reactors → e-Crude, e-Methanol, e-Diesel

Inputs :

- Green hydrogen (from electrolysis)
- Captured CO_2 (from DAC)
- Flywheel electricity

Outputs :

- Renewable fuels for transport, aviation, and industry
- Carbon-neutral synthetic hydrocarbons



The Integrated Circular Ecosystem

Subject :

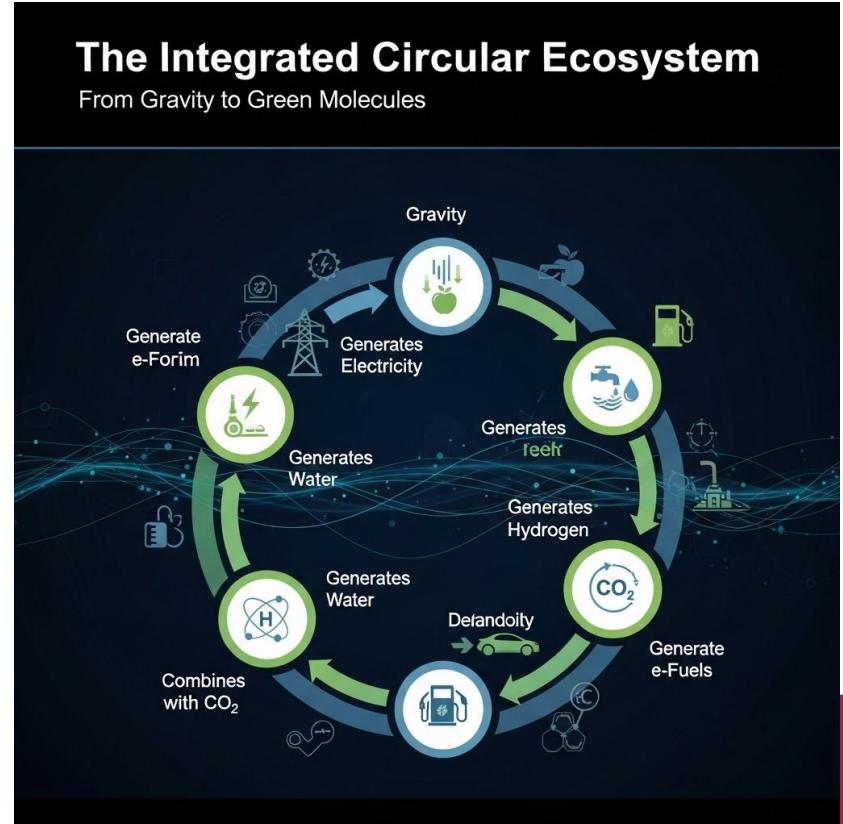
- *From Gravity to Green Molecules*

Diagram suggestion :

- Gravity → Electricity → Water → Hydrogen → CO₂ → e-Fuels → Energy Independence

Description :

- Each process feeds the next, forming a **closed-loop circular economy** based entirely on **gravitational power**.



Financial Engineering

Subject :

- *Project Financing Models*

Options :

- **Project Finance:** Asset-based investment on ROI per kWh produced
- **Green Bonds / ESG Funds:** Alignment with SDGs & carbon reduction
- **Leasing Models:** Long-term energy-as-a-service contracts
- **Carbon Credits:** Monetization via CO₂ capture and e-fuel production
- **Strategic Partnerships:** Joint ventures with utilities, governments, or industries



Target Customers & Sectors

Subject :

- Who Benefits from Flywheel Gravitational Systems?

Primary Customers :

- Renewable Energy Developers
- Water & Environmental Tech Firms
- Hydrogen & E-Fuel Producers
- Industrial Manufacturers
- Data Centers & Cloud Providers
- Aerospace & Electric Mobility Sectors
- Governments & Smart Cities



Project Authorization & Compliance

Subject :

- Deployment & Legal Clearance

Notes :

- No CE marking or EU authorization (use at own risk)
- Eligible countries: Gambia, Armenia, Cambodia, Montenegro, Switzerland, Cayman Islands, Dominica, Puerto Rico, Nauru, Samoa, Tonga, Vanuatu
- Buyer responsible for import/export logistics and local compliance
- Electrical control panel to be designed by a qualified engineer

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Electrical control panel to be designed by you qualified engineer

Sales Information

Subject :

- Energy Systems – Contact & Ordering

Website Sections :

- **Shop** – Purchase flywheel systems (€11,400) on Payhip
- **Contact** – Sales & partnerships

Ordering Details :

- Deposit: €5,700 before production
- Bank transfer payment only
- Free delivery in Île-de-France (France)
- International transport managed by buyer

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Vision & Closing

Subject :

- *Harnessing Gravity to Power the Future*

Vision Statement :

By transforming gravity into clean electricity, we enable a fully circular and carbon-neutral industrial ecosystem — producing water, hydrogen, and e-fuels without fossil fuels.

Contact :

 <https://www.payhip.com/voltorus>

 contact@voltorus.com

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