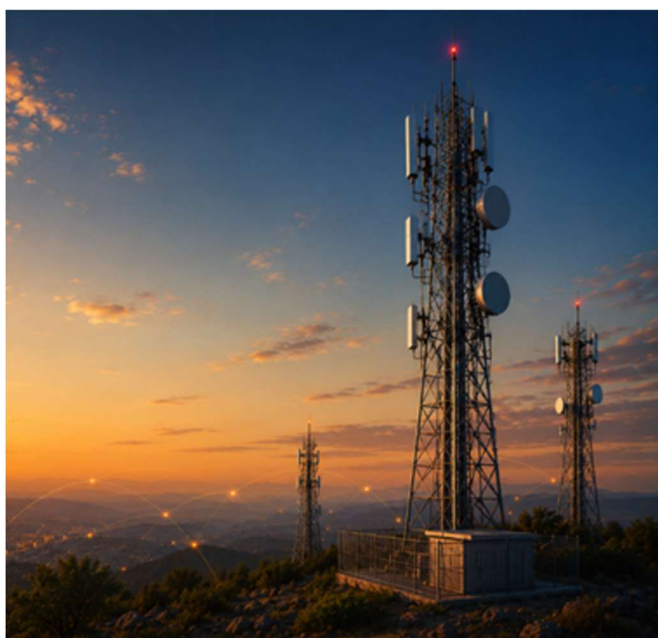




Up to 30% Less Fuel - a New Standard of Decentralized Power Generation.

BUSINESS PLAN



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Beetron SA
Werdstrasse 2
5106 Veltheim

Switzerland

info@beetron.ch
www.beetron.ch



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This document outlines the business strategy, technology, market opportunity, and financial outlook for BEETRON SA.

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1. EXECUTIVE SUMMARY

BEETRON SA is introducing a new class of high-efficiency power generators.

Worldwide, millions of telecom towers, construction sites, remote industrial facilities, microgrids, combined heat and power (CHP) systems, backup power installations, and other off-grid applications rely on diesel generators in the 40-100 kW range.

Many of these systems operate at low real-world efficiency, particularly under partial-load conditions, resulting in high fuel consumption, high operating costs, and significant CO₂ emissions.

BEETRON's free-piston linear generator architecture is designed to reduce fuel consumption by at least 30% compared with conventional power generator systems. In CHP applications, the system can additionally make use of recoverable heat, further improving overall energy efficiency.

The system remains compatible with multiple fuels, including diesel, gasoline biofuels, synthetic fuels, and hydrogen.

BEETRON SA follows an asset-light deep-tech licensing strategy. Instead of manufacturing generator sets itself, the company focuses on core technology development, intellectual property, and prototype validation. Manufacturing, certification, distribution, and service are intended to be handled by established OEM partners.

OUR VISION



BEETRON transforms decentralized power generation worldwide by replacing fuel-wasting generators with a cleaner, more economical and more resilient energy infrastructure - reducing fuel consumption by at least 30%.

BEETRON TECHNOLOGY

BEETRON uniquely combines three key performance characteristics in a single platform:

- fuel-cell level efficiency
- diesel-engine robustness
- multi-fuel capability

Together, these capabilities establish a new category of high-efficiency, fuel-flexible power generation for decentralized energy applications.

BEETRON uses a novel and patented free piston linear generator architecture. Two opposed pistons and central reaction chambers drive a connected linear generator. The system eliminates the crankshaft as well as many other components and reduces mechanical losses.



BEETRON SA developed a key innovation that significantly improves overall system efficiency by reducing thermodynamic losses. A patent application for this innovation was filed at the end of 2025.

BEETRON is designed to achieve system efficiency exceeding that of many fuel-cell systems in decentralized applications, while retaining the robustness of combustion-based generators and enabling multi-fuel operation.

COMPETITIVE ADVANTAGE / CUSTOMER BENEFIT

The measurable customer benefit is simple:

Lower fuel consumption, lower operating cost, and lower emissions.

For applications where fuel logistics dominate total cost of ownership, this efficiency advantage can create a compelling economic case.

EXPERIENCED TEAM

BEETRON SA is led by an experienced management team with expertise in quality management, development, manufacturing, project management, finance, sales, and business development.

The company combines engineering know-how with commercial execution capability and is structured to scale through industrial partnerships.

BUSINESS MODEL

BEETRON SA follows an asset-light licensing model for deep-tech technologies. The company focuses on:

- core technology development
- intellectual property
- prototype validation
- system architecture
- OEM licensing partnerships

Production and global distribution are intended to be handled by established manufacturers of generators and power supply systems.

This model enables BEETRON to scale globally without building a capital-intensive manufacturing organization.

Three factors come together:

1. A large global market for decentralized power generation
2. A clearly measurable cost advantage through reduced fuel consumption
3. A licensable technology platform with global OEM scalability

This combination gives BEETRON the potential to become a high-margin deep technology company in a large infrastructure market.

