

# Theta Generator

## Advanced Energy Technology

Revolutionary Compact Power Generation

Made in Germany

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### Core Technology Specifications



750

Displacement  
cubic centimeters

460

Diameter  
millimeters

400

Height  
millimeters

20 KW / 100 KG

Exceptional power density with minimal footprint

### Leadership Team

- Shaul Yaakoby** - Founder & Inventor
- Ortal-Jasmin Emanuel** - Administration & Operations
- Dr. Ralf Marquard** - Advisory Board Consultant
- Dr. Manfred Arnold** - Advisory Board Production Coordinator

### Engineering Partners

- Kinetix Motors** - Generator Design
- META** - Engineering Support
- VEMAC** - Software & Control Systems

### Development Progress

- Phase 1 Complete (24/25)**  
**€700,000 invested** - Technical foundation and concept validation finished
- Phase 2A: Prototype Development**  
**€2.5–3.5M target** - A-Sample development with 10-15 team members
- Phase 3: Production Launch**  
SOP layout, final validation, and market deployment

### Market Applications & Competitive Advantage

#### Target Markets

- Telecommunications infrastructure backup power
- Refrigerated transport systems
- Agricultural equipment
- Emergency power systems
- Remote installations

#### Key Advantages

- 60% weight reduction** vs. competitors
- 50% cost reduction** while maintaining performance
- Superior power-to-weight ratio
- Multi-fuel capability (hydrogen, diesel, gasoline)
- Minimal maintenance requirements

#### Financial Requirements

**Next Phase Investment: €1.48M**

- Technical Components: €480,000
- Operational Costs: €1,000,000
- Manufacturing Cost: €2,300/unit
- B2B Market Price: €5,000-6,000

**Addressable Market: €2.88 billion by 2034**

### 2026-2027 Development Timeline

Q1

#### Q1 2026: Prototype Build

Complete first functional prototype and initial component testing

Q3

#### Q4 2026: Laboratory Certification

Extended testing, regulatory approvals, documentation completion

Q2

#### Q2-Q3 2026: Validation & Optimization

Performance certification, efficiency improvements, durability testing

Q4

#### Q1 2027: Field Trials & Customer Pilots

Deploy in telecommunications and defense applications with strategic partners

#### Partnership Opportunity

**Join us in transforming compact power generation** - Revolutionary technology with proven design, experienced team, and clear path to market across multiple high-value sectors. Strong competitive advantages with substantial IP protection and exceptional margins.

Contact Us

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