EXPLOTEC
GLOBAL HOLDING

Explotec Global Holding: Building the Factories of the Future

An investment prospectus for a new era of industrial innovation.

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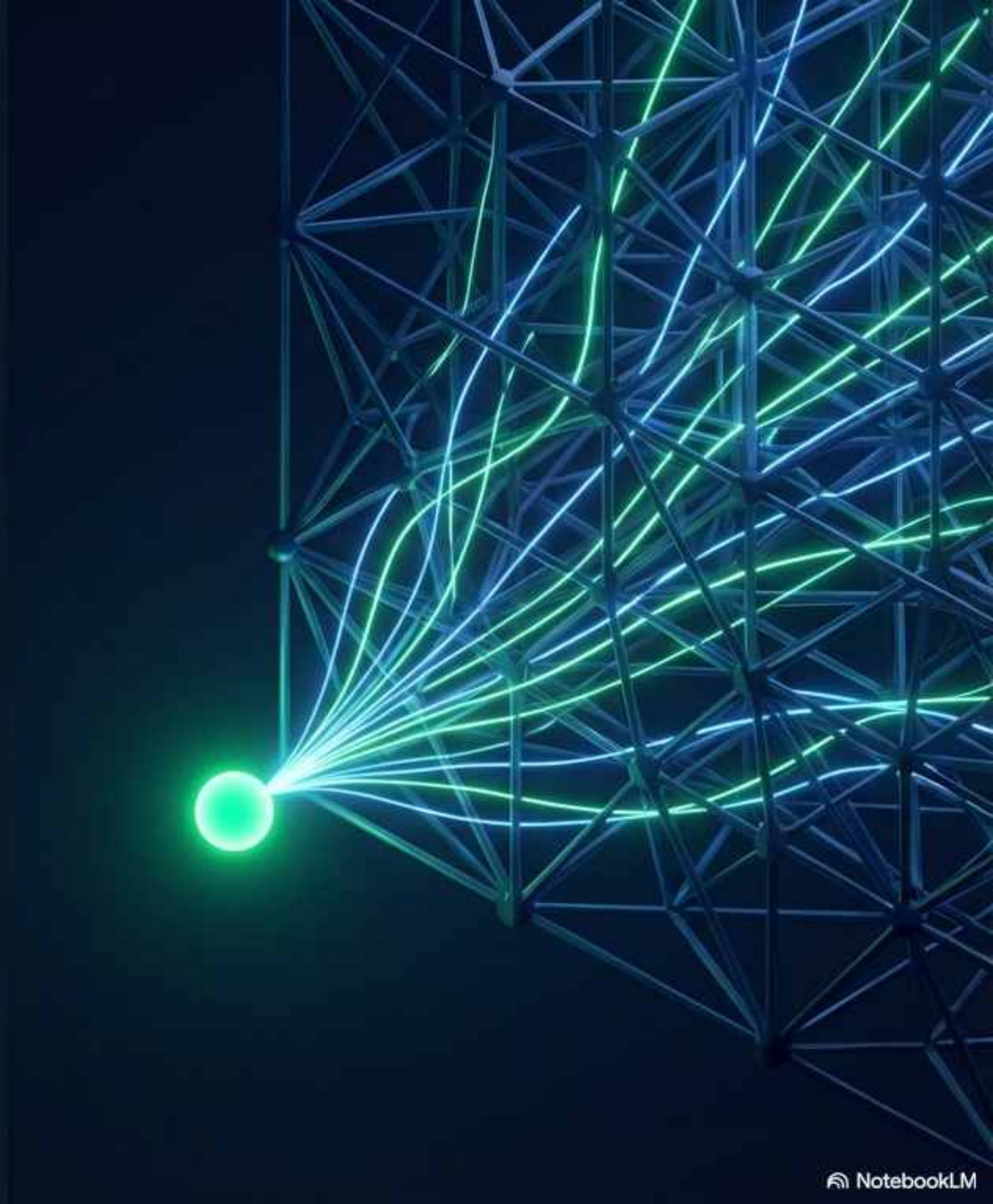
A €900,000 Catalyst to Launch a Global Holding Company

We are seeking €900,000 in interim financing to finalize the transition from Explotec FZCO to Explotec Global Holding. These funds will secure critical infrastructure connections (from the UAE to Saudi Arabia and Oman), enabling the holding company to become fully operational.

A High-Leverage Investment

This represents a fraction of the capital invested over the past 20 years, which was primarily privately funded and focused on development and non-replicable know-how. As our CEO states, this is 'a drop in the ocean' to activate a portfolio of immense value.



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A Portfolio of Strategic, High-Value Assets

Explotec Global Holding is built upon a foundation of tangible, innovative, and market-ready projects. We have organized these assets into three core pillars that define our strategic focus.

1. Advanced Manufacturing & Energy

Revolutionizing production with AI-driven factories and next-generation nanocoatings.

2. Global Health & Life Sciences

Addressing critical healthcare needs with large-scale, technologically advanced facilities.

3. Sustainable Materials & Infrastructure

Pioneering the circular economy with bio-plastics and disruptive construction technologies.

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SBT Project: A State-of-the-Art Multifunctional Nanocoating Facility

Hero Stats

Total Investment:
€75-80 Million

Projected ROI:
24-36 Months

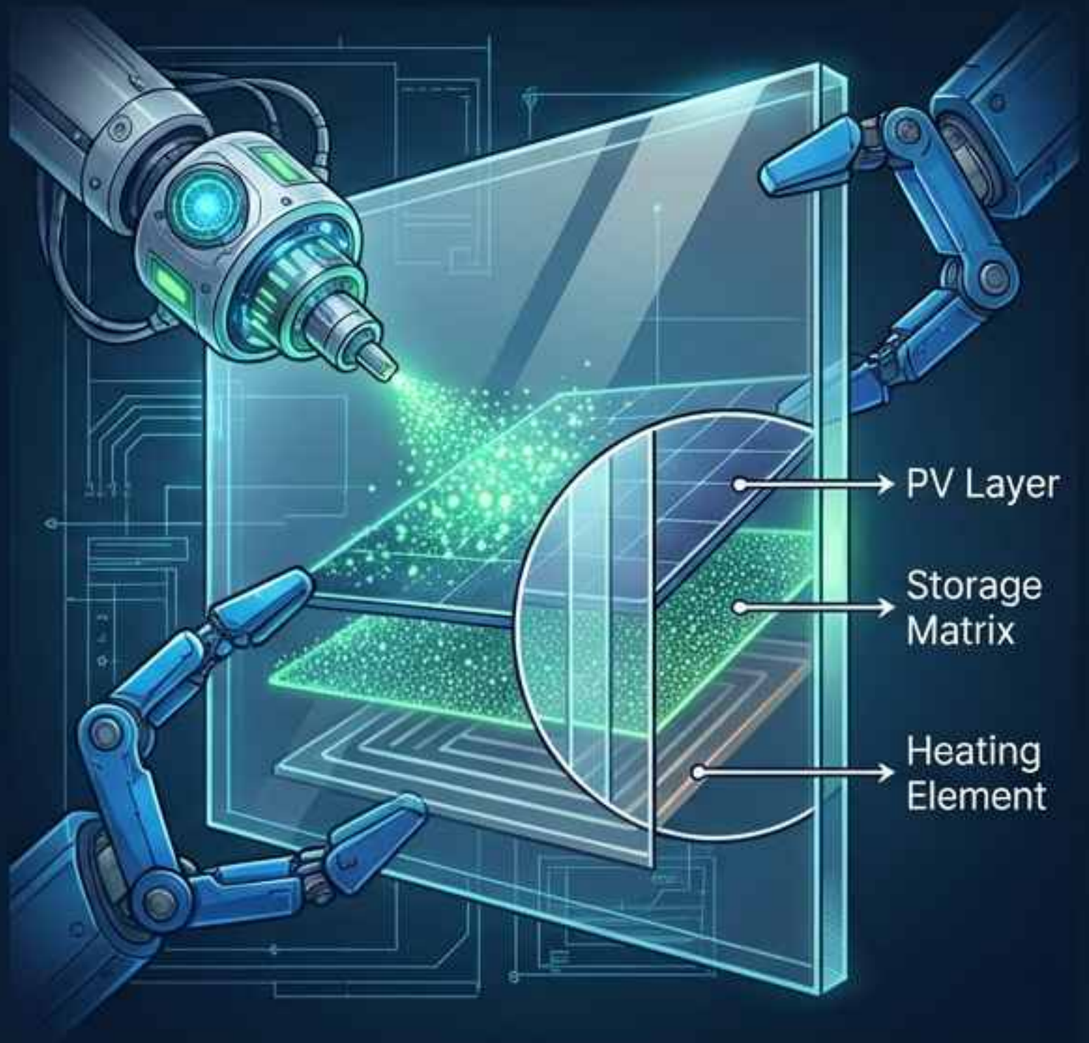
Production:
CO_2-Neutral & 24/7 Operation

Core Technology

A fully automated screen printing process for coating on virtually all flat surfaces, deliberately avoiding rare earths and metals to ensure supply chain continuity.

Product Applications

- **PV Modules:** Fully active area, usable with diffuse light (twilight, indoor).
- **Electricity Storage:** Extreme cycle stability (~500,000 cycles vs. ~8,000-12,000 for conventional).
- **Integrated Systems:** Energy-efficient heating, cooling, or lighting embedded in windows and mirrors.



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SBT Project: De-Risked Execution and a Clear Path to Market

Production Targets at Scale

- **100,000** roof modules per month.
- **20,000** electricity storage units (1 kWh) per month.

Financial Plan Overview

- **Investment Breakdown:** The largest cost is the machinery park at **~€40M**.
- **Financing Strategy:** Seeking one or two major investors as co-shareholders. Advanced discussions are already underway with several financially strong parties.

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CubeFabs: The AI Platform for Autonomous Manufacturing

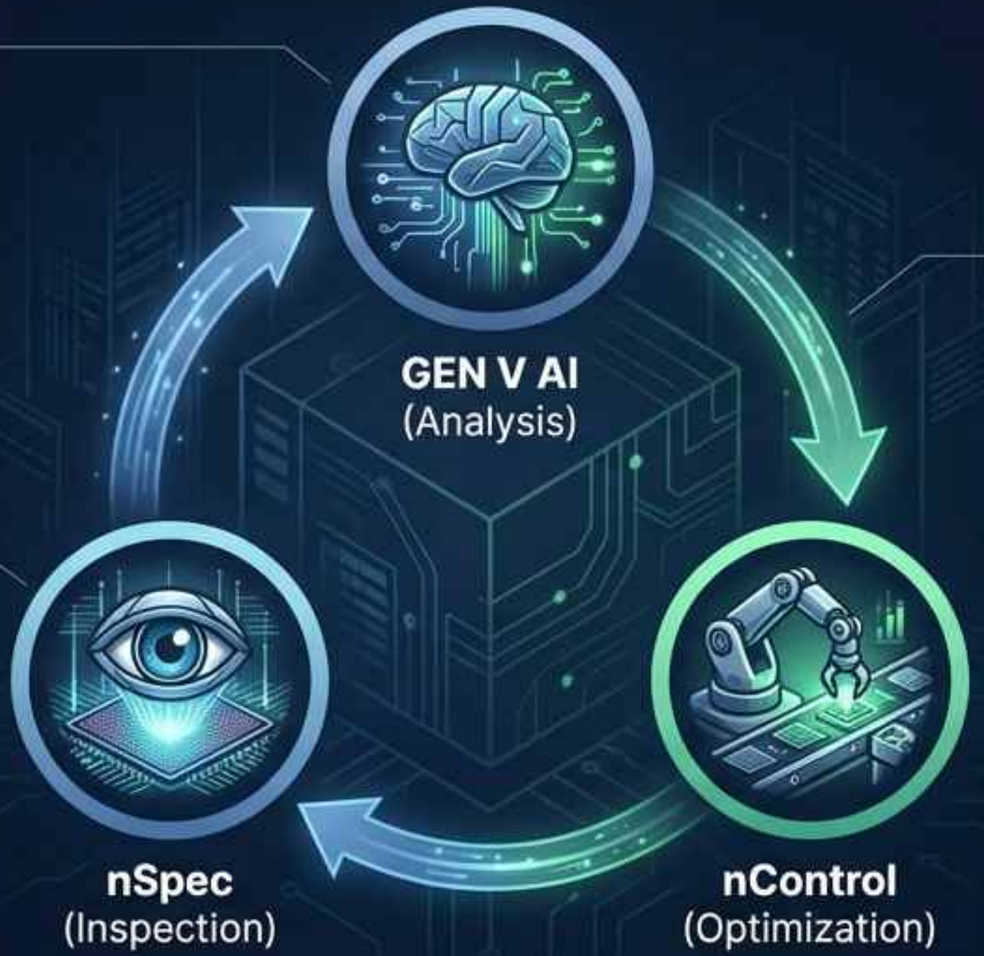
Core Technology - GEN V AI

The core is a Transformer-based AI model, pre-trained on over a decade of defect experiences from hundreds of global manufacturing operations. This eliminates the time-consuming and expensive process of training AI in every factory.

Product Suite

nSpec: Automated Optical Inspection (AOI) combining computer vision, AI, and microscopy for semiconductors, aerospace, and pharmaceuticals.

nControl: A predictive, AI-driven real-time control system that translates process data into actionable insights to optimize manufacturing.



Strategic Advantage

We bypass the traditional trade-off between precision and affordability by leveraging our pre-trained AI, lowering the Total Cost of Ownership (TCO) and accelerating time-to-value for our clients.

Target Industries:
Semiconductors, EV & Automotive, Aerospace & Defense

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Addressing a Global Health Crisis: The €800M Abu Dhabi Insulin Factory

55M
Adults with diabetes in 2019

44.7%
Share of undiagnosed cases in 2019

108M
Projected diabetic population by 2045

$39 Billion
Projected annual diabetes-related health expenditure by 2045

Project Mandate: "To realize a strategically important Insulin Factory and fill & finish facility in Abu Dhabi, backed by the UAE Government. The insulin will be manufactured using human gene technology for the Middle East as the primary target market."

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Insulin Factory: Financial Overview and Production Scope

Financial Overview

Category	Value
Key Financial Figures	
Total Capital Needed: €800,000,000 (Investment + Ops Years 1-4)	**€800,000,000** €800,000,000
Investment (Turnkey Factory):	€430,000,000
Financing - Equity (54%)	€432,000,000
Financing - Loan (46%)	€368,000,000
Production Cost/Set (Year 5+)	€54.90

Financing Visualization

Production & Operations

Annual Production at Full Capacity

- **400 kg** of Crystalline Insulin
- **3.3 Million** Insulin Sets
- **26.4 Million** cartridges of 3ml insulin

Project Timeline

- **36 Months:** Time from Capital Availability to 'Ready to Operate'
- **48 Months:** Time from Capital Availability to Full Production Capacity

Facility Requirements

- 50,000 sqm of land, 220 full-time staff.

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Pioneering the Circular Economy Engine

This pillar focuses on creating the fundamental building blocks for a sustainable future, from advanced bioplastics that eliminate waste to revolutionary construction methods that reduce cost and carbon footprint.

PANARA

Developer of NonOilen®, a 100% bio-based and biodegradable polymer blend.

Bio4Pack

A leading European specialist in certified compostable packaging solutions.

ECOSOL

Provider of an ecological road construction technology that dramatically cuts costs and environmental impact.

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A Two-Pronged Strategy in Advanced Bioplastics

PANARA - The Material Innovator

- **Technology:** NonOilen®, a 100% bio-based (PLA & PHB) and 100% biodegradable polymer.
- **Key Features:** Decomposes without microplastics, uniquely recyclable before composting, high shape stability up to 120°C (dishwasher-safe).
- **Strategic Validation:** Significant minority stake acquired by global packaging specialist, the ALPLA Group.
- **Location:** Nitra, Slovakia, with roots in the Slovak Technical University.

Bio4Pack - The Application Specialist

- **Mission:** "To reduce plastic waste and accelerate the shift towards compostable alternatives."
- **Certifications:** Meets highest standards, including OK Compost Home and EN 13432.
- **Performance:** Breaks down in as little as 180 days with up to 60% lower CO_2 emissions than traditional plastic.
- **Market Role:** Functions as the official European distributor of all TIPA-based packaging applications.

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ECOSOL: Rebuilding Infrastructure with Unprecedented Speed and Efficiency

A sustainable road construction system that utilizes local soil and aggregates, minimizing transport and material costs.

20-30%

Reduction in construction costs.

60%

Reduction in carbon footprint compared to traditional methods.

1-3 km/day

Construction speed.

24 Hours

Until roads can be opened to traffic.

Applications: Suitable for public, rural, agricultural, and forest roads, as well as access for green energy projects. Confirmed 'Successfully Completed Projects' in Romania.

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The Vision Realized: An Integrated Industrial Ecosystem

Explotec Global Holding is more than a collection of assets. It is a carefully curated portfolio of synergistic technologies and projects designed to lead in the most critical sectors of the future economy.

Manufacturing: We are building the factories of the future with proprietary AI and nanotechnologies.

Health: We are tackling global health challenges with government-backed, large-scale production facilities.

Sustainability: We are creating the building blocks of a circular economy, from advanced materials to efficient infrastructure.

Concluding Vision: Our mission is to build, operate, and scale the next generation of industrial ecosystems, creating sustainable, long-term value for our partners and society.

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A Catalytic Investment to Unlock a Multi-Billion Euro Portfolio

The Ask

The Ask

€900,000

Final infrastructure connections to launch the holding company.

The Value Unlocked

- An €800M government-backed Insulin Factory.
- A €75-80M Nanocoating facility with advanced investor interest.
- Disruptive, market-validated AI, Bioplastics, and Construction technologies.
- **20+ years** of privately funded R&D and intellectual property.

This is a unique opportunity to provide the final catalyst that activates a globally significant holding company, built on a foundation of proven innovation and immense market potential.

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Join Us in Building the Future

We invite you to have a direct conversation about this strategic financing opportunity and the immense potential of **Explotec Global Holding**.

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