



Innovation⁴⁵

Scaling Innovation into Enduring Value

Secured Bond Opportunity with
15% p.a. | 45% Total Return | 3-Year Term

Strictly Private & Confidential.



Where Innovation Matures into Performance.

Overview



A secured bond opportunity, **Innovation45** was created on the principle that lasting progress comes from precision, conviction, and the courage to act before others do.

Innovation45 is supported by field-tested technologies with the potential to scale into global commercial applications, bridging innovation strength with international capital and expertise.

Investors gain access to early-validated projects positioned at the intersection of technology, resilience, and sustainability. Each investment is approached with purpose, combining strategic clarity with a forward-looking vision to turn tested ideas into sustainable performance.

Innovation Rising in an Era of Global Realignment.

Market Context



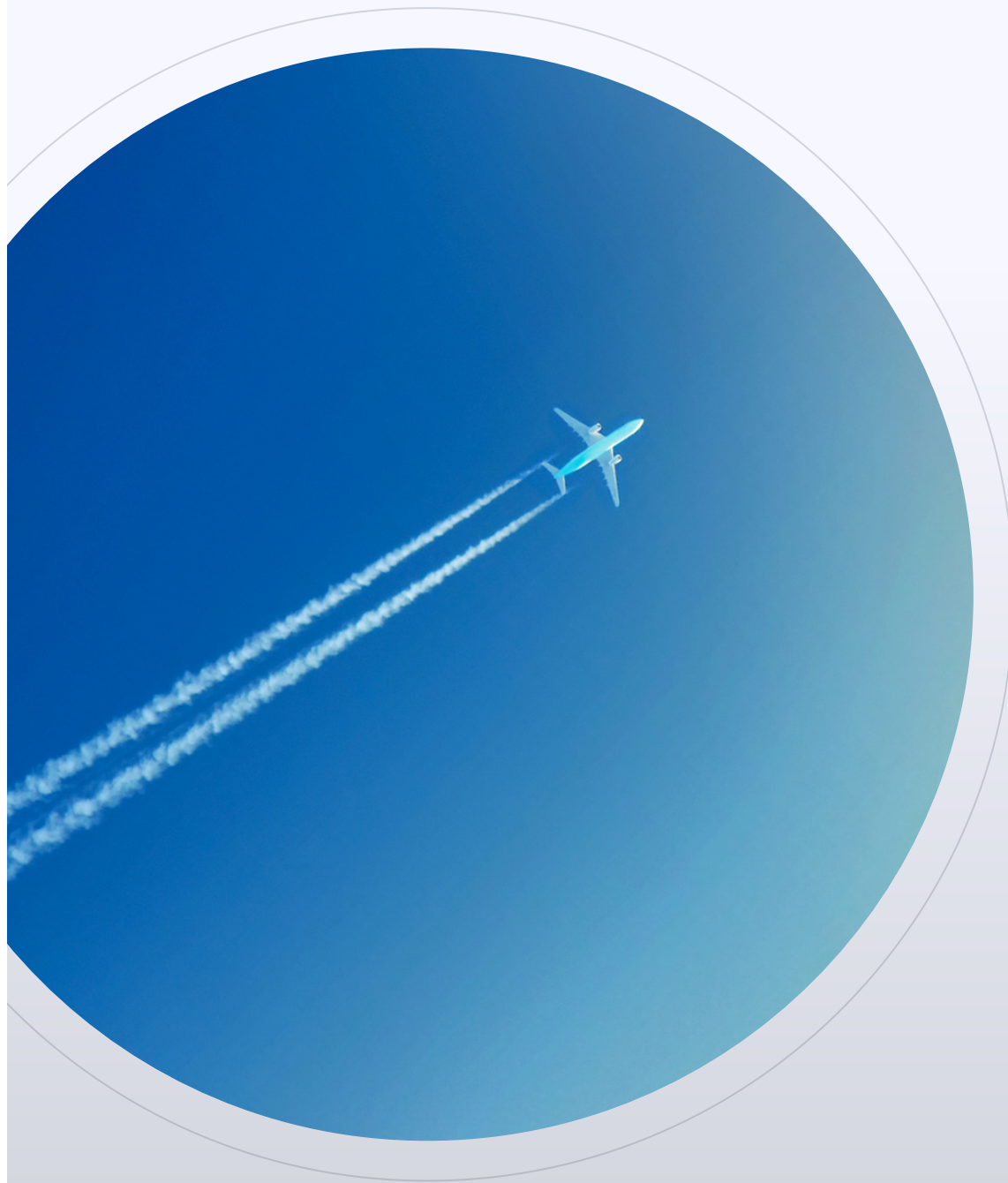
Global economic volatility and structural supply-chain shifts have accelerated demand for resilient infrastructure, digital systems, and sustainable technologies.

Governments, industries, and institutions are investing heavily in innovation that strengthens productivity, safeguards critical services, and supports long-term economic stability.

Innovation45 captures this momentum by aligning investor capital with technologies shaping efficiency, resilience, and sustainable growth across key sectors.

Momentum Building Across High-Impact Sectors

Market Signals

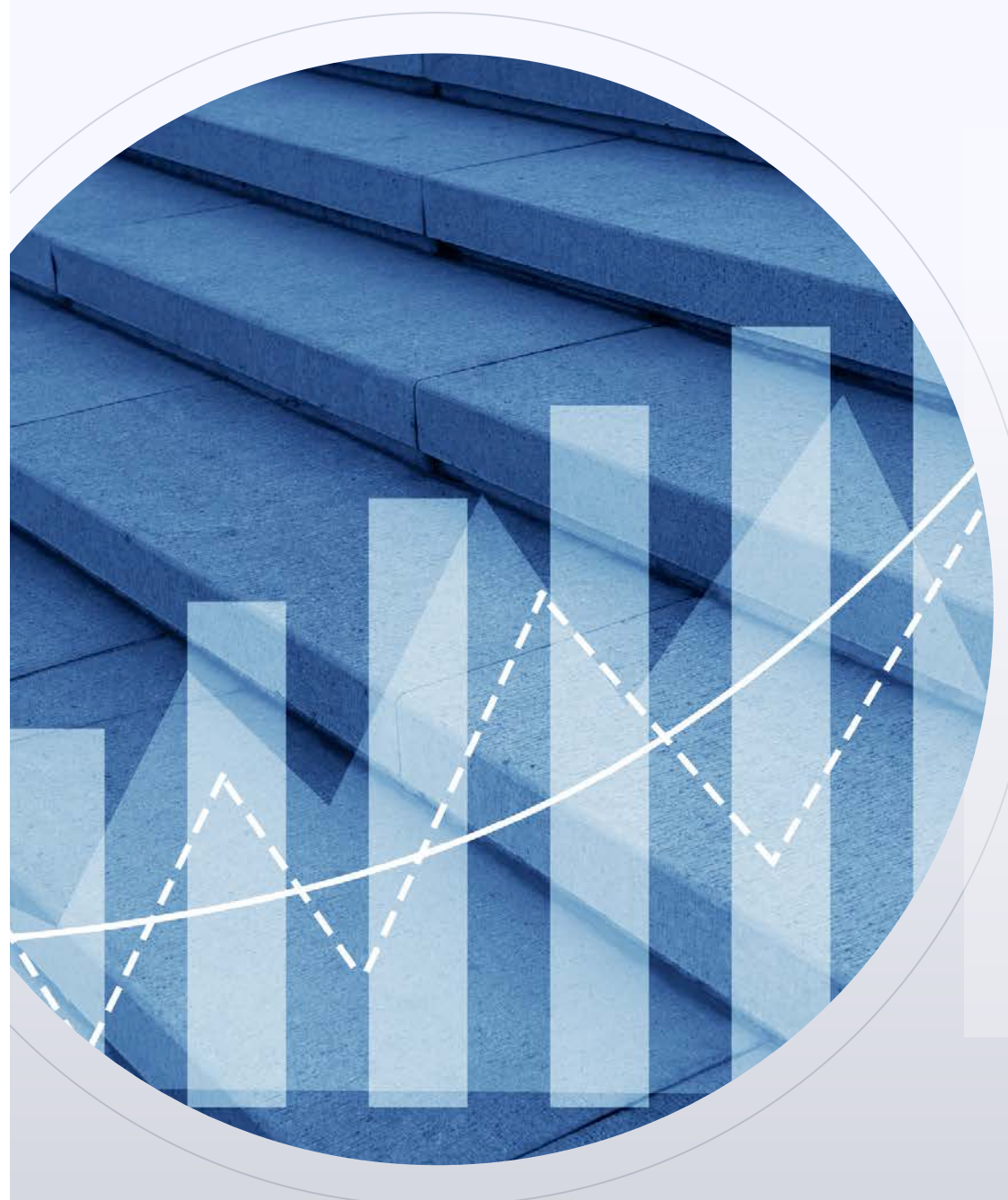


- ➔ **Unprecedented Demand:**
Governments and corporations racing to secure supply chains and digital resilience.
- ➔ **Rapid Adoption:**
Public-private initiatives accelerating procurement and deployment of new technologies.
- ➔ **Holistic Impact:**
Projects deliver both economic value and social benefit through energy security, safety, and sustainability.

Innovation45 bridges cutting-edge engineering with disciplined investment, creating a pipeline of scalable ventures.

Two-Pronged Approach to Innovation and Commercialisation

Strategic Pillars



1

Early-Stage Acceleration:

Capital support and mentorship for proven prototypes in agri-tech, healthcare, renewable energy, digital infrastructure, and industrial automation.

2

Global Scaling:

Expanding mature technologies into international markets through structured partnerships across the UK, EU, and selected global regions.

Designed for Performance. Structured for Stability.

Why 45% Total Return?



De-Risked:

Post-validation
entry



Cash Flows:

Commercial and
infrastructure
contracts



Guaranteed:

Asset-backed
investment
framework

Innovation45 delivers a **45%** total return through a balanced blend of validated ventures, early commercial cash flows, and secured asset structures.

Each opportunity is de-risked through structured validation, supported by tangible commercial contracts, and protected through a disciplined bond-backed framework that prioritises capital preservation alongside growth.

Our Innovation Pipeline

MSCA

Partnership



Privileged Access to Validated Technologies

Innovation45 has established **MSCA** as a strategic platform, giving us privileged access to a curated pipeline of field-tested technologies ready for scaling.

Key Advantage:

All projects have already undergone technical validation, significantly reducing early-stage risk while preserving attractive return potential.

Sector	Focus Area
Medical & Green Healthcare	Health technologies with sustainability focus
Agri-Tech & Food Security	Sustainable agriculture & food systems
Renewable Energy & Storage	Next-generation clean energy solutions
Digital Infrastructure	Smart systems & industrial automation
Cybersecurity	Digital resilience & data protection
Artificial Intelligence	Scalable AI-driven products and platforms
Water Resources	Sustainable water monitoring and management

This positions **Innovation45** as a bridge between proven innovation and institutional capital seeking both impact and performance.



Photon Solar Systems

Portable Power for Remote and Industrial Environments.

Photon Solar Systems develops rugged, all-in-one solar generator platforms designed to deliver silent, fuel-free power where conventional infrastructure is limited or unavailable.

Built around the Photon MK4, the system combines integrated battery storage, foldable solar panels, multi-source charging and remote app control in a compact, deployable format. With early commercial traction and new generator models planned, Photon positions portable energy as a scalable infrastructure solution for remote, industrial and off-grid infrastructure applications.





Plastalyst

Chemical Recycling for Mixed and Multi-Layer Plastic Waste.

Plastalyst, by AC Biode, develops solvent-free chemolysis technology that converts difficult plastic and organic waste streams into useful monomers, syngas and biochemicals.

The process uses catalyst and water at low operating temperatures, creating a route for materials often excluded from mechanical recycling, including mixed, deteriorated and multi-layer plastics. With completed pilots across automotive, PVC, rubber and circuit-board applications, Plastalyst supports the shift from waste disposal to renewable carbon recovery.





VetiHeal

Trauma-Free Wound Films for Veterinary Care.

VetiHeal Bio develops antimicrobial, biodegradable wound films designed to protect animal wounds while reducing pain, stress and waste in everyday veterinary treatment.

Based on PhD-backed research, the VetiFilm approach uses a starch-PVA matrix with antimicrobial components that applies wet, hydrates the wound and detaches naturally as it dries. With patent protection, pilot production and early survey validation, VetiHeal Bio positions pet-safe wound care as a practical, low-cost opportunity for clinics and direct-to-consumer channels.

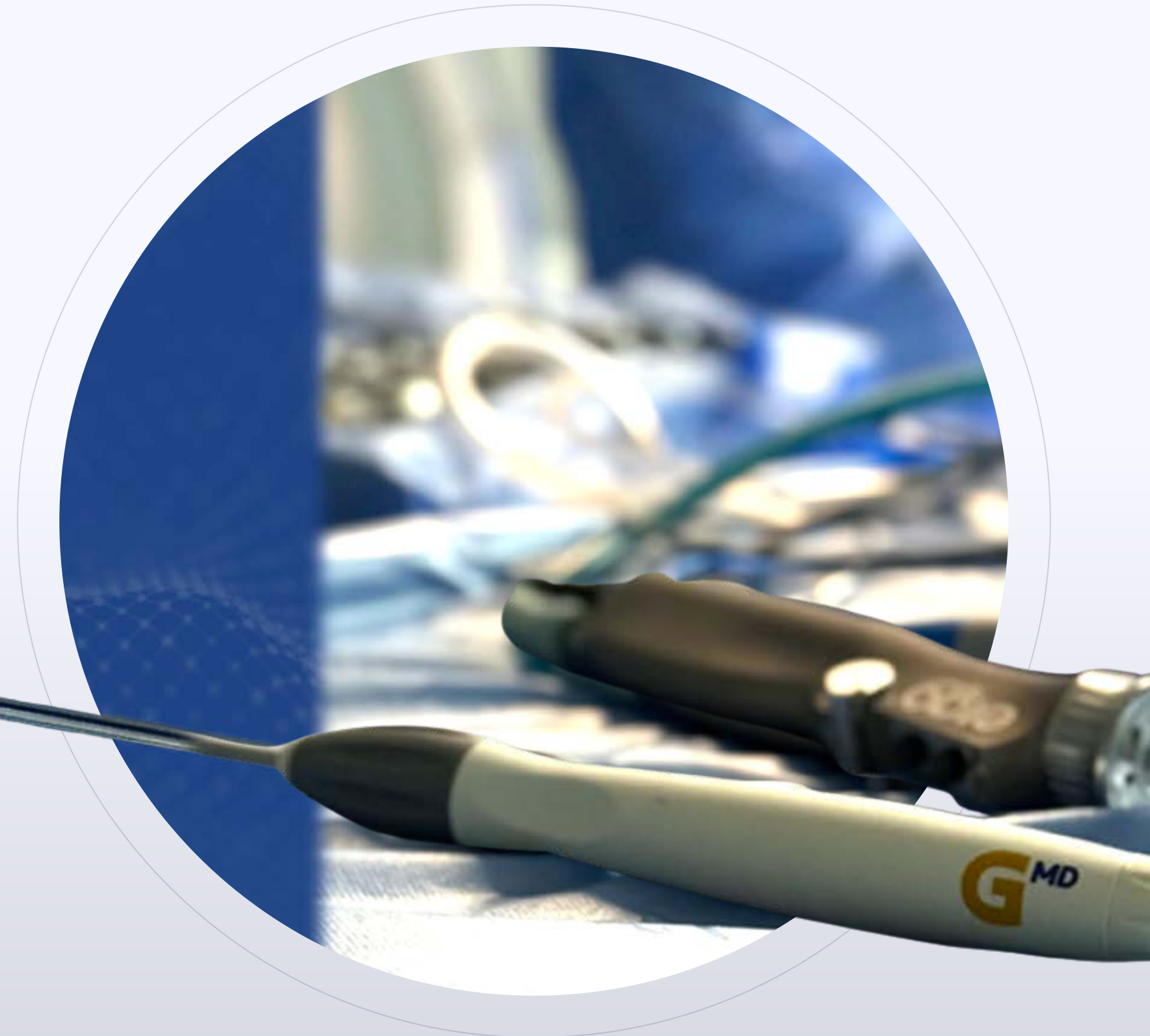


Resector

Precision Surgical Devices
Improving Arthroscopic Outcomes.

GMD develops advanced arthroscopic surgical instruments designed to increase procedural efficiency while preserving healthy tissue.

Its plasma-based meniscus resection technology integrates cutting and coagulation into a single precision device, reducing operation time and improving surgical control. Clinically validated and engineered for regulatory scalability, GMD addresses a large and growing global arthroscopy market, positioning itself as a next-generation medtech manufacturer focused on measurable outcome improvements.





GalacticO

Non-Invasive Frequency Technologies for Human Recovery.

GalacticO develops frequency-based therapeutic devices focused on supporting physiological balance, recovery, and adaptive regulation through non-invasive stimulation.

The system applies controlled electromagnetic and informational signal patterns aimed at enhancing the body's natural regulatory mechanisms. Positioned within emerging bio-engineering and wellness technology domains, GalacticO targets applications in rehabilitation, stress recovery, and preventative health, with potential for scalable deployment across clinical and assisted-care environments.



Investing Where Innovation Meets Sustainability

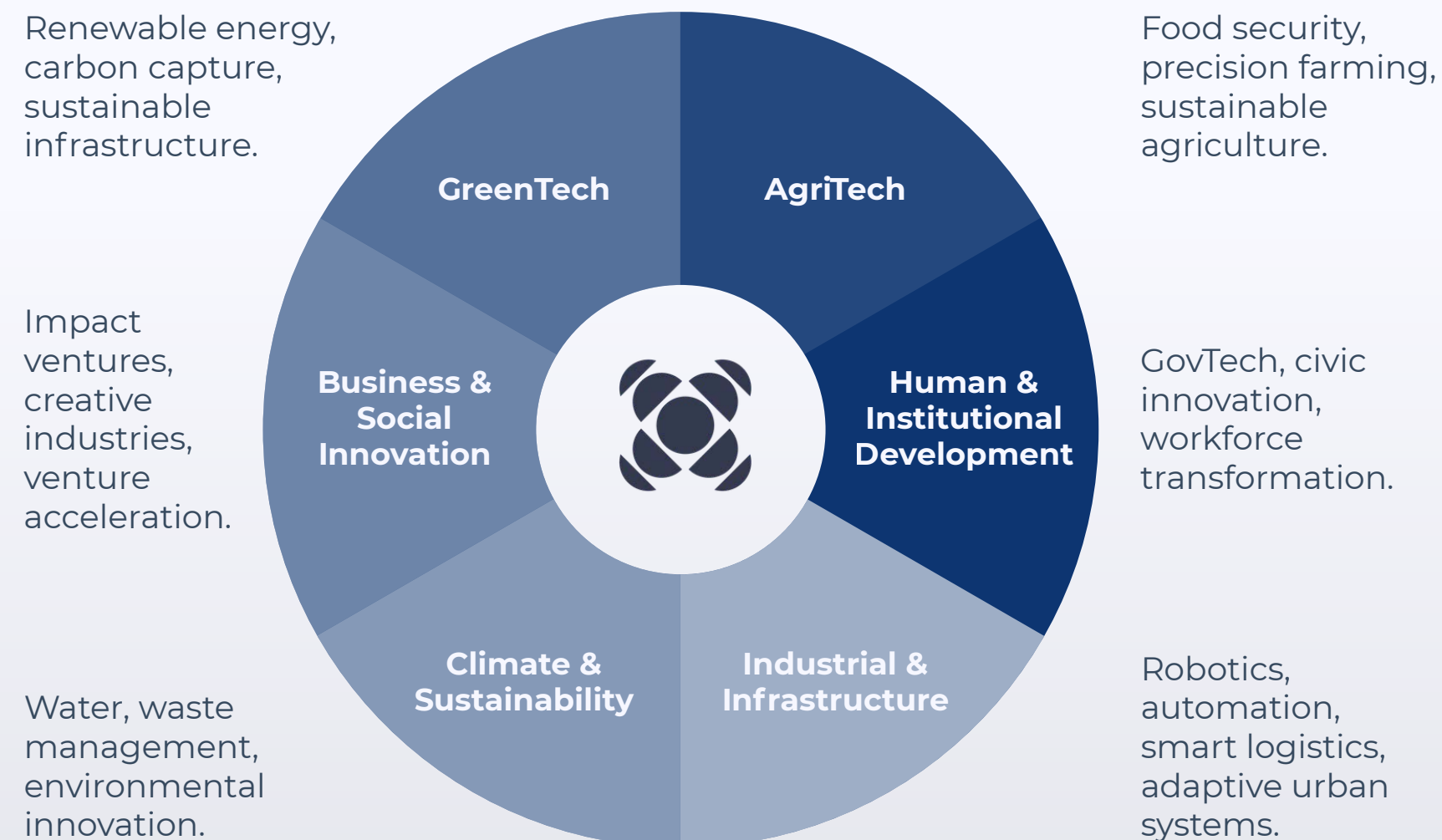
Broader Impact

The underlying asset pipeline focuses on breakthrough technologies proven in high-demand environments, with long-term potential across borders and industries.

It transforms validated innovations into scalable models addressing global challenges in sustainability, infrastructure and human development.

Built around a structured bond framework, the approach combines income potential with measurable social and environmental value.

Innovation45's underlying asset pipeline spans high-impact industries:



Building a Global Pipeline of Scalable, Civilian-Focused Technologies

Growth Drivers



Proven teams with commercially validated products



Civilian and industrial applications generating stable revenue



Partnerships across the UK, EU, and selected international markets



Continuous R&D integration through universities, accelerators, and industry partners

The Gateway to Scalable Innovation

The Opportunity

By combining measurable growth potential with institutional discipline, **Innovation45** gives investors the opportunity to participate in the technologies rebuilding economies and redefining industries.



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Executive Summary

Innovation45 is a 3-year fixed-income bond offering **15% p.a. | 45% total return**, secured against post-validation assets from the pipeline, targeting €10 million in capital.

The asset pipeline spans a diversified group of ventures across **AgriTech, HealthTech, Energy**, and **Industrial Infrastructure**, with additional projects supporting sector and revenue diversification.

Risk mitigation is supported by structured validation, commercial contracts, and asset-backed investment discipline.

Why it works:

Innovation45 offers investors stable exposure to real-economy technologies addressing productivity, sustainability, and long-term infrastructure needs, delivering a disciplined blend of income, impact, and durability.





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