

Pitch Deck

The Next Sustainable Unicorn

Patented deep-tech low carbon/zero carbon emission cooling technology with multiple applications:

Computer data centres

AI & Deep learning centres

Quantum computer cooling

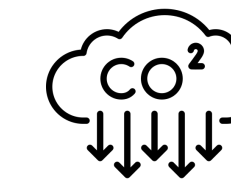
Business & domestic cooling



- AI does not work if the computer chips are not cooled.
- Data centres do not work if they are not cooled.
- Google, Microsoft & Apple do not work if not cooled.
- 50% of all power consumption in the world will be related to cooling by 2060.



Billions of \$ saved



Billions of tonnes of CO₂ saved

Innovation that cools and converts the rejected heat to energy. No refrigerant, no compressor. Patented, scalable, cost effective with a myriad of applications.

Deep Tech Unicorn

We dare you to prove us wrong.

Applications

Industrial and Office Buildings:

Providing scalable cooling solutions for large spaces.

Data Centers:

Reducing energy consumption and operational costs by utilising TOVENVOR TABERS technology.

Mobility Applications:

Offering portable and efficient cooling systems for vehicles and aircraft.

AI and Quantum Computing:

Ensuring efficient cooling for high-performance computing systems.

Domestic and Recreational Use:

Launching COOLZE, a zero-emission refrigerator and cooling device.



Technology

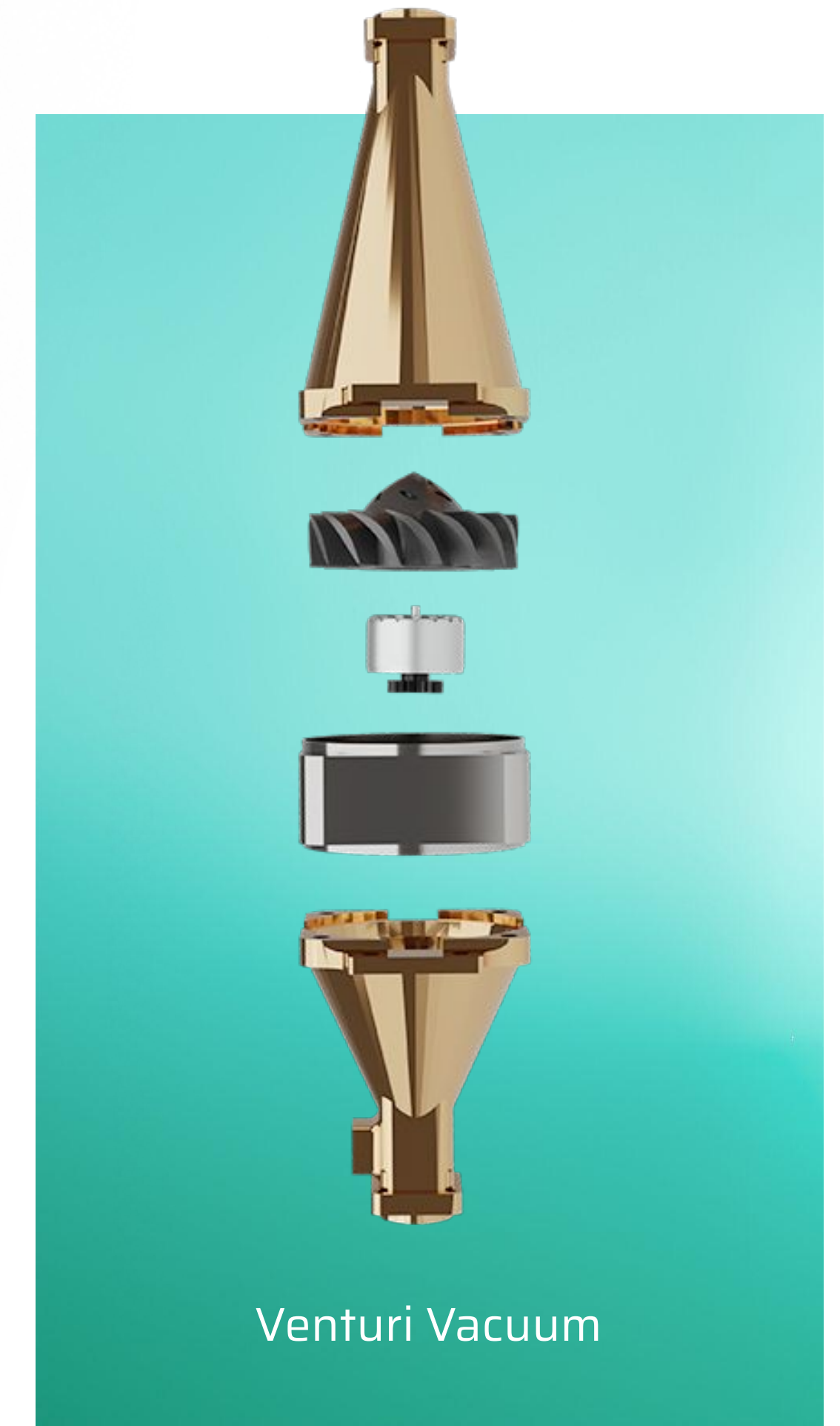
TOENVOR (Toroidal Venturi System and Toroidal Asymmetric Biconical Energy Recovery System)

Key Features:

- Refrigerant-free cooling
- Energy-efficient design
- Integrated energy recovery
- Scalable applications from domestic to industrial use

The TOENVOR TABERS system introduces several groundbreaking innovations in cooling technology:

- **Refrigerant-Free Cooling:** Eliminates the need for harmful refrigerants, addressing environmental and health concerns associated with traditional cooling systems.
- **Energy Efficiency:** Utilises a toroidal venturi system and vortex tube to enhance cooling efficiency and reduce energy consumption significantly.
- **Energy Recovery:** The TABERS system converts waste heat into electricity, further improving the overall energy efficiency of the cooling process.
- **Scalability:** The technology is adaptable to various applications, from domestic refrigerators to large-scale industrial cooling systems.



Technology

Unitech Synergies Limited has developed a patented cooling system which does not use refrigerants, compressors or traditional cooling methods. Instead, the heat energy in a system such as a data centre is split into hot and cold air streams. The cold air is returned to the system requiring cooling and the hot air is converted to electricity instead of simply being rejected.

In order to minimise risk and expedite adoption of the technology, Unitech is launching portable fridges and freezers via the COOLZE brand on Kickstarter. COOLZE products will not require external grid power to operate. Instead, the conversion of the rejected heat (from cooling), will be converted to electricity. The amount of electricity converted from the concentrated heat will exceed the amount of energy required to operate the fans inside the looped venturi vacuums.

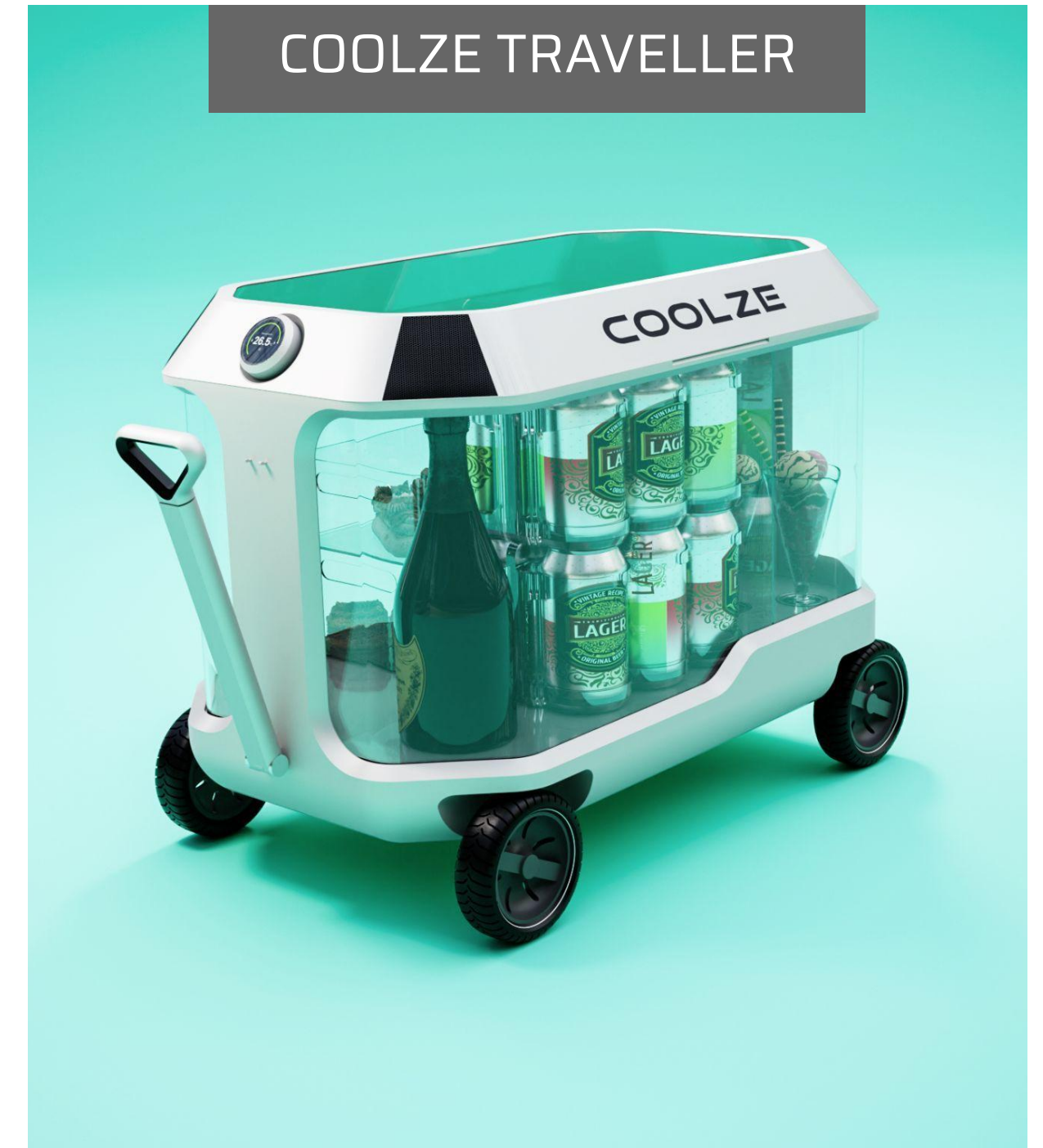
There will be a start up battery which will be required to initiate the process and then the system will cool and generate a slight excess from the thermal energy in air being converted to electricity, which will recharge the battery and power the fans.

The consumer avenue is a quick route to market and adoption of the technology minimising the commercial risk to the company and need to dilute equity or incur large debts for continuous R&D. It will also showcase the technology and prove its market readiness. A fridge is a fixed space. If this can be cooled, any space can be cooled. It is simply a matter of scale.

COOLZE CRYSTAL



COOLZE TRAVELLER



Market size

Global market with a total market size of

\$309.62 billion (2024)

and carbon emission savings of

4.8 billion tons

A figure projected to surpass 12 billion tons by 2030.

- Customers such as Google, Amazon, Microsoft, Open AI will all be interested as it will help their progress to **NET ZERO**.
- Simple to retrofit.
- ROI within 18 months.



Microsoft

amazon

Google



OpenAI



Business Model

Unitech operates on a B2B and B2C model, leveraging the commercialisation of its patented technology, TOVENVOR TABERS (Toroidal Venturi System and Toroidal Asymmetric Biconical Energy Recovery System). The core of Unitech's business model revolves around providing innovative cooling solutions that eliminate the need for traditional refrigerants, thereby addressing environmental and energy efficiency concerns. Unitech aims to serve various market segments including:

B2B Market:

- **Data Centres and Cloud Computing:** Providing cooling solutions that significantly reduce energy consumption and operational costs.
- **AI and Quantum Computing Companies:** Offering advanced cooling technologies crucial for maintaining optimal operating conditions of high-performance computing systems.
- **Industrial Cooling:** Targeting warehouses and office buildings with efficient cooling systems.
- **Mobility Cooling:** Supplying cooling solutions for vehicles, aircraft, and other mobile applications.

B2C Market:

- **Domestic Refrigeration:** Introducing COOLZE, a zero-emission cooling device targeted at households, particularly in developing countries.
- **Recreational Use:** Offering portable cooling devices for recreational purposes.

Product Development:

Development and commercialisation of TOVENVOR TABERS, beginning with the COOLZE refrigerator for the B2C market and scalable versions for B2B applications such as data centres.

Market Penetration:

Targeting key industries with high cooling demands, such as data centres, AI, and quantum computing, whilst also addressing the needs of the domestic and recreational cooling markets.

Unitech generates revenue through direct sales, licensing agreements, and collaborations with major companies in the cooling and refrigeration industries. The company also explores crowdfunding platforms such as Kickstarter to launch new products and raise initial capital.

Revenue Streams

1. Product Sales

COOLZE: The COOLZE Crystal and COOLZE Wanderer are designed for the consumer market, targeting individuals seeking zero-emission and lower-cost cooling solutions. Revenue will be generated through:

- **Direct Sales:** Initial sales via Kickstarter campaigns in the US, UK, EU, and Japan.
- **Online Retail Partnerships:** Distribution through major retailers such as Walmart, Tesco, Sainsbury's, and Amazon.
- **Global Sales:** Expansion into developing countries with a simplified version of COOLZE at an affordable price point, potentially supported by UN funding.

2. B2B & Commercial Markets

Industrial and Office Cooling: Targeting businesses requiring efficient and environmentally friendly cooling solutions.

- **Direct Sales:** Providing bespoke cooling systems to large corporations and industrial clients.
- **Service and Maintenance:** Establishing ongoing service agreements to maintain optimal performance and efficiency of the cooling systems.
- **Data Centres:** Developing a larger, simplified version of the TOENVOR technology specifically for data centres.

3. Energy Generation

Energy Recovery: Utilising the hot air generated by the TOENVOR TABERS system to produce electricity.

- **Micro-Generation Units:** Offering small-scale electricity generation units for residential and commercial use.
- **Energy Sales:** Selling excess generated electricity back to the grid or directly to consumers and businesses.

4. Licensing and Technology Transfer

Refrigeration and Air Conditioning: Licensing TOENVOR TABERS technology to major manufacturers in the refrigeration and air conditioning industries, such as Mitsubishi, Hitachi, and Samsung.

- **Fridge and Freezer Manufacturers:** Partnering with companies to integrate the technology into new products.
- **Air Conditioning Manufacturers:** Entering into licensing agreements with global air conditioning market players like Daikin and Samsung.

Sales Channels

Go Market :

Data Centres and Cloud Computing, AI and Quantum Computing, Industrial Cooling.
Targeting technology giants such as Google, Microsoft, Apple, etc...



Warehouses



Data Centres



Direct Sales:

Engage with B2B customers such as Walmart, Tesco, Amazon, and others.

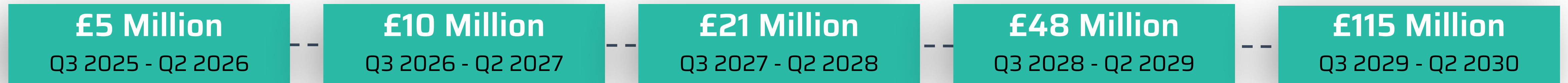
Licensing:

Collaborate with major manufacturers (e.g., Mitsubishi, Hitachi, Samsung) for broader market penetration.

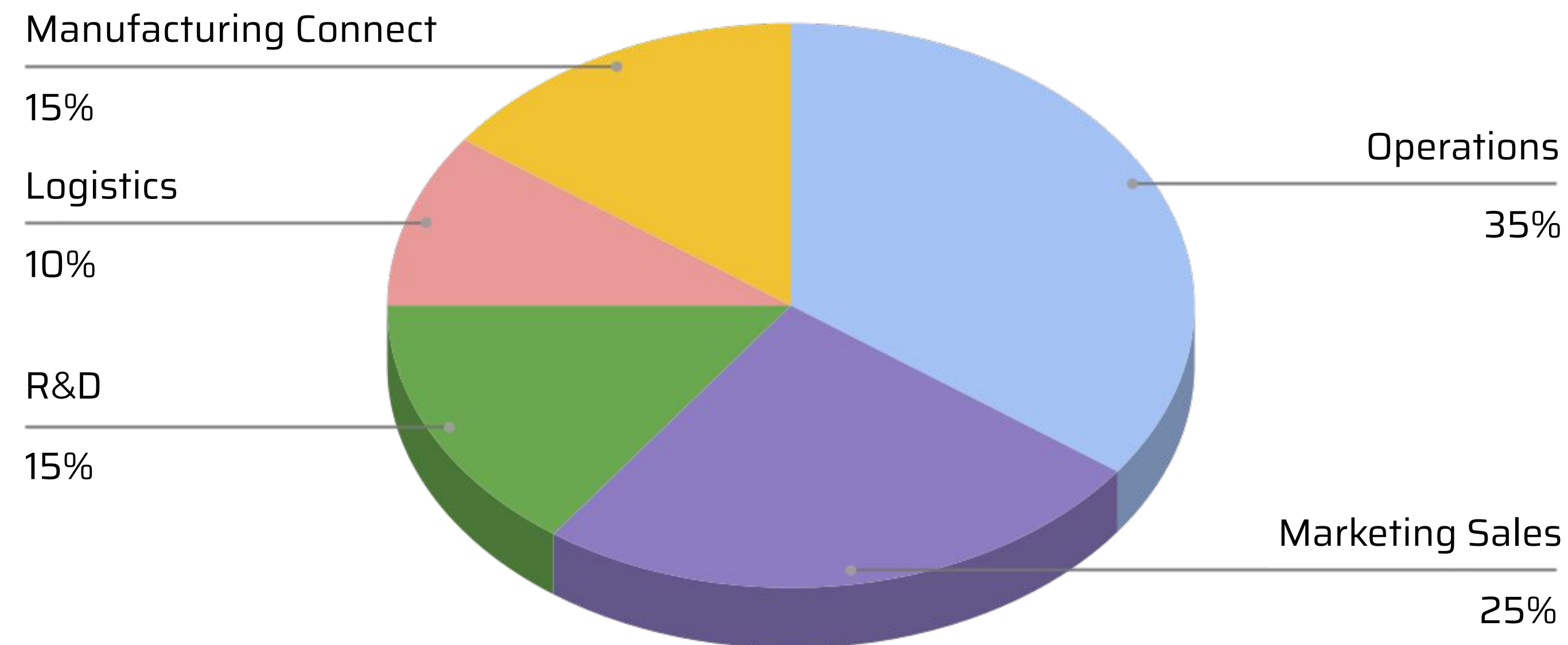


Financial Plan

Revenue Projections:



Utilisation of Funds:



Core Team

Management



Beecham Koonjah
CEO, Director

As the Chief Executive Officer and a Director, Beecham oversees the overall management and operational strategy of TOVENVOR. His extensive experience in law, compliance, risks, operations and the energy sector equips him to navigate regulatory landscapes and ensure compliance with industry standards.

Beecham is also instrumental in business development, driving market entry strategies, and fostering relationships with key stakeholders.



Shamir Budhdeo
CTO, Director

As the Chief Technology Officer, Shamir is responsible for leading the technical development of the TOVENVOR system. His duties include overseeing research and development, driving innovation, and ensuring the technical viability of the product.

Given his background in business creation and strategic planning, Shamir also contributes to long-term strategic initiatives and partnerships.

Overall, Unitech's *TOVENVOR TABERS* technology represents a paradigm shift in cooling solutions, offering a *sustainable*, *efficient*, and *scalable* alternative to traditional cooling systems.

www.unitechsynergies.com

