NEXUSNOVUS

BUILDING SUSTAINABLE FUTURES

CORP6+ORATE PRESENTATION

NexusNovus
Building sustainable futures

NexusNovus is committed to creating a sustainable future for generations to come

Our franchise model offers an end-to-end solution for infrastructure needs in the waste, water, and renewable energy sectors

We provide structured project finance, plug-and-play technology design, and project navigator software

Our solutions make it easier for local promoters to access low-cost project funding and launch new projects quickly

Let us help you build a better world

Core values

01

Our mission is to decarbonize the world through sustainable and innovative energy projects.

02

We believe that building a franchise network can achieve massive scale and create a better future for everyone.

03

We empower local communities to lead the way towards a sustainable future within the just transition.

04

We transform the energy industry with new technology and innovation.

05

Our core values are based on environmental responsibility and sustainability, social justice and equity.

06

We act with integrity and transparency in all our actions and decisions.

Sectors

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Our target sectors are all examples of renewable energy and resource recovery. They focus on taking waste or underutilized materials and converting them into valuable products, such as energy, fuel or fertilizers.

Bio-fuels

- Renewable natural gas: produced from agri waste and can be used as a substitute for fossil fuels
- Bio-ethanol: produced from agri waste and used as a biofuel or blended with gasoline

Renewable energy

- Geo-thermal: heat energy produced from the Earth's core that can be used to generate electricity or heat buildings
- Solar: energy generated from the sun and can be used for electricity or heating
- Wind: energy generated from the wind and can be used for electricity or mechanical power
- Waste-to-energy: energy produced from burning municipal solid waste, biomass, or other waste materials

Water and waste management

- Waste water management: treating and managing wastewater from residential, commercial, or industrial sources
- Solid waste management: managing and disposing of solid waste, including municipal waste and industrial waste

By-products

- Grey water (from water treatment plants)
- Recyclables (from waste management)
- DDGS (from bio-ethanol plants)
- Heat (from energy production, e.g. geothermal plants)
- Bio-fertilizer (from biogas and bio-ethanol plants)

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Turnkey Franchise Model By NexusNovus

01

NexusNovus offers **a turnkey franchise model** for third-party developers who are looking to promote sustainable infrastructure projects in the waste, water, and renewable energy sectors.

02

Our **Structured Project Finance structure**, **Plug-and-Play technology design** (modular, proven, redundant and scalable) and **ProjectIQ Navigator software** (digital twin, AI/ML, big data) solutions make it easier for local promoters to access low cost project funding and launch new projects, quicker. We provide the necessary tools, expertise and network to help local developers successfully promote sustainable infrastructure projects.

03

Our focus on high-impact non-traditional renewables aligns with **the UN Sustainable Development Goals**, and is part of the just transition, creating a greener future for all."

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How Do We Do That

Structured low cost project finance

Modular, plug-and-play technology that is proven, scalable, and sustainable

ProjectIQ Navigator software, leveraging big data, digital twinning, and AI technology for operational excellence and continuous improvement

Nested Shields

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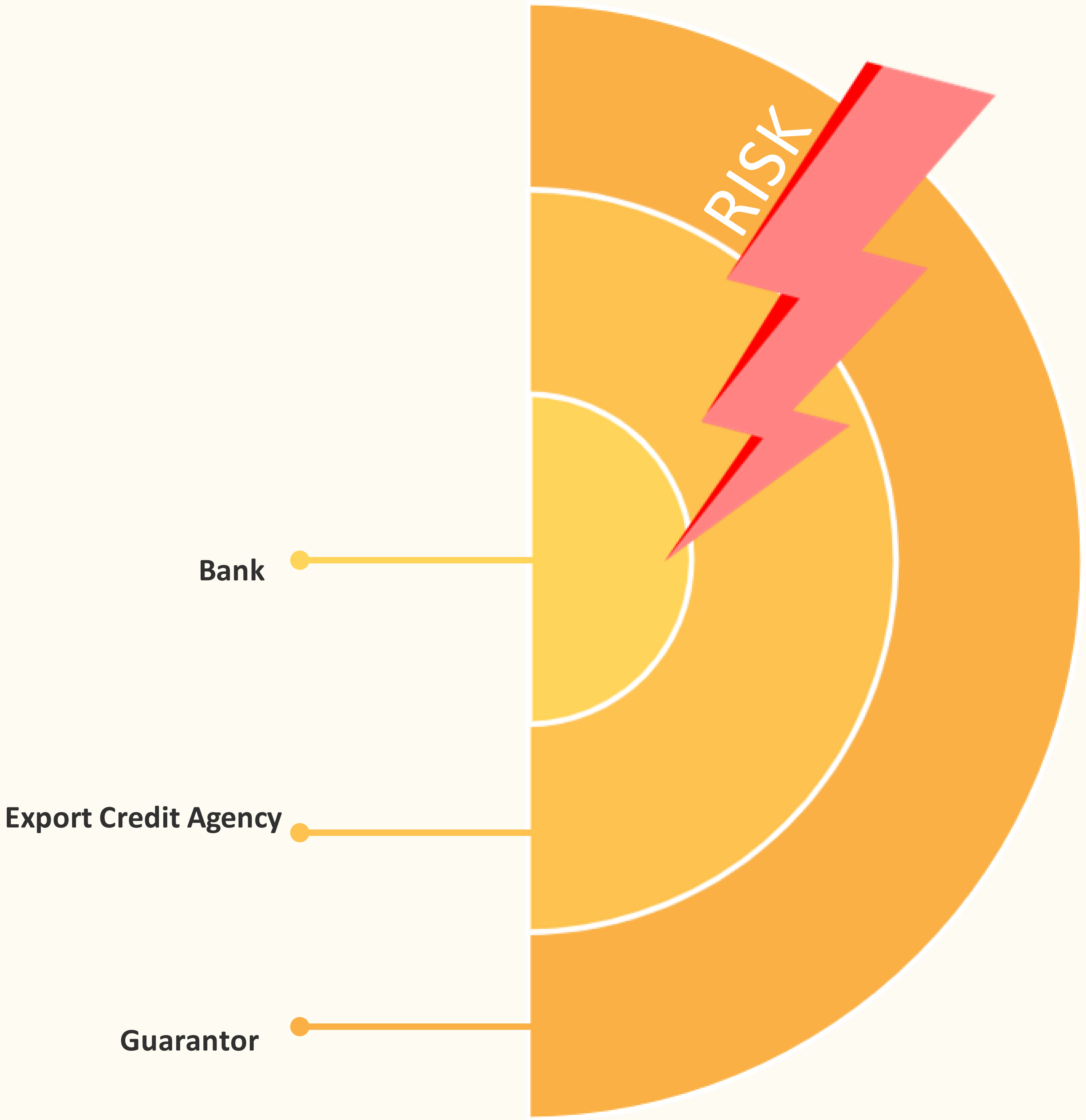
The loan structure is like a set of nested shields that protect a project from the risk of default. Each layer of protection represents a shield that must be broken or overrun before the bank is exposed to the full risk of default.

- **The first layer of protection is the guarantor,** which is responsible for absorbing the first losses in the event of default. The guarantor's shield has a risk coverage of 100%, meaning that all losses are absorbed by the guarantor until its shield is broken.
- **The second layer of protection is the ECA,** which absorbs losses after the guarantor's shield has been broken. The ECA's shield is smaller, covering only 95% of the risk, but it is never broken because the exporting country is offering a counter-guarantee to the ECA. In the unlikely event that the counter-guarantee is called upon, the ECA's shield would be overrun and the remaining 5% project risk exposure would be presented to the bank.
- **The third and final layer of protection is the bank,** which absorbs losses after the ECA's shield has been overrun, for a maximum of just 5% of the total exposure.



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Plug And Play

Redundancy

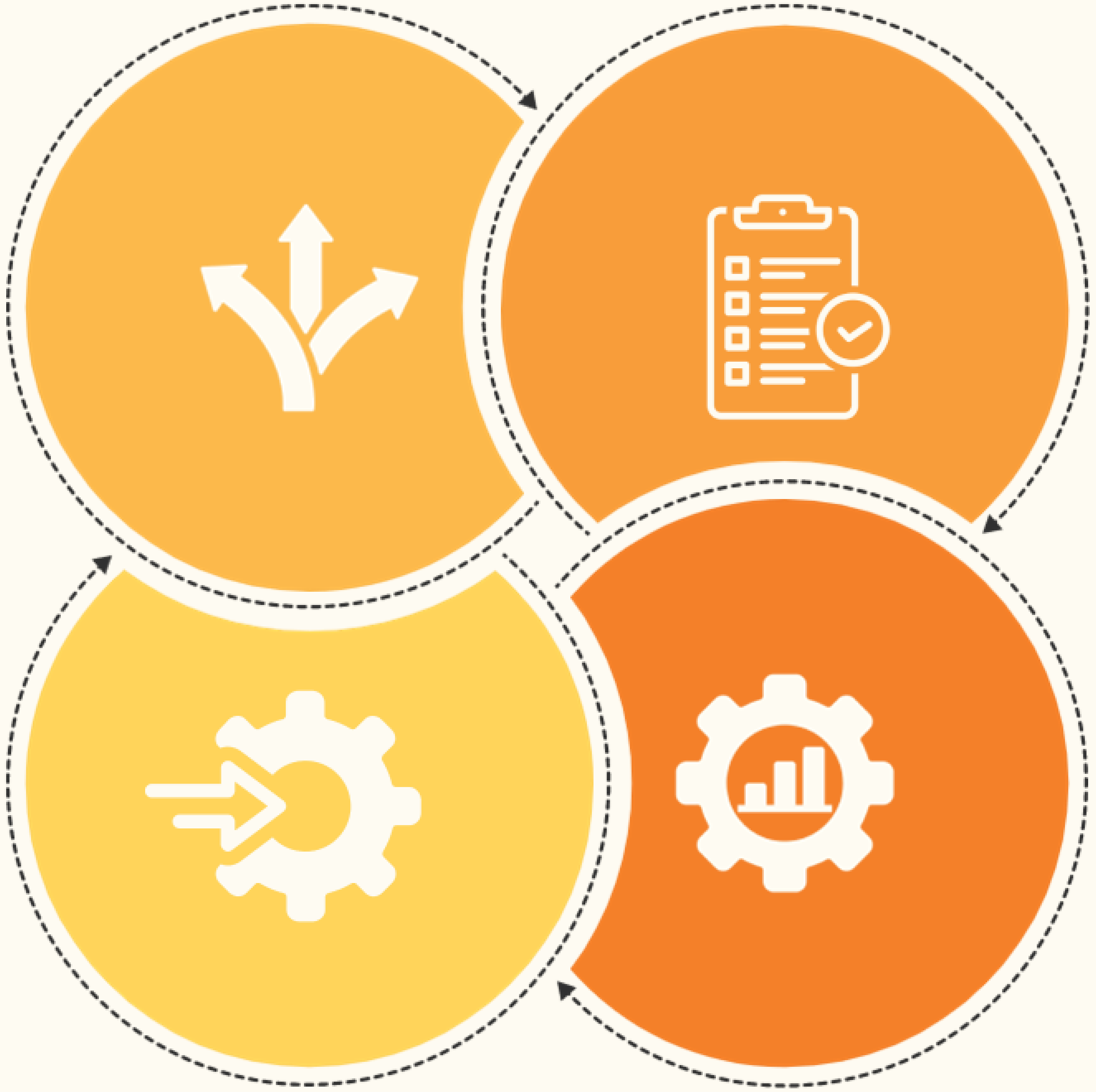
Duplication of key components for reliability

Improved system uptime and availability; reduced downtime and maintenance costs; increased operational reliability

Integration

Coordination of different parts of the system for improved efficiency

Increased efficiency and profitability; reduced energy consumption and costs; improved sustainability



Modularity

Use of modular design for flexibility and scalability

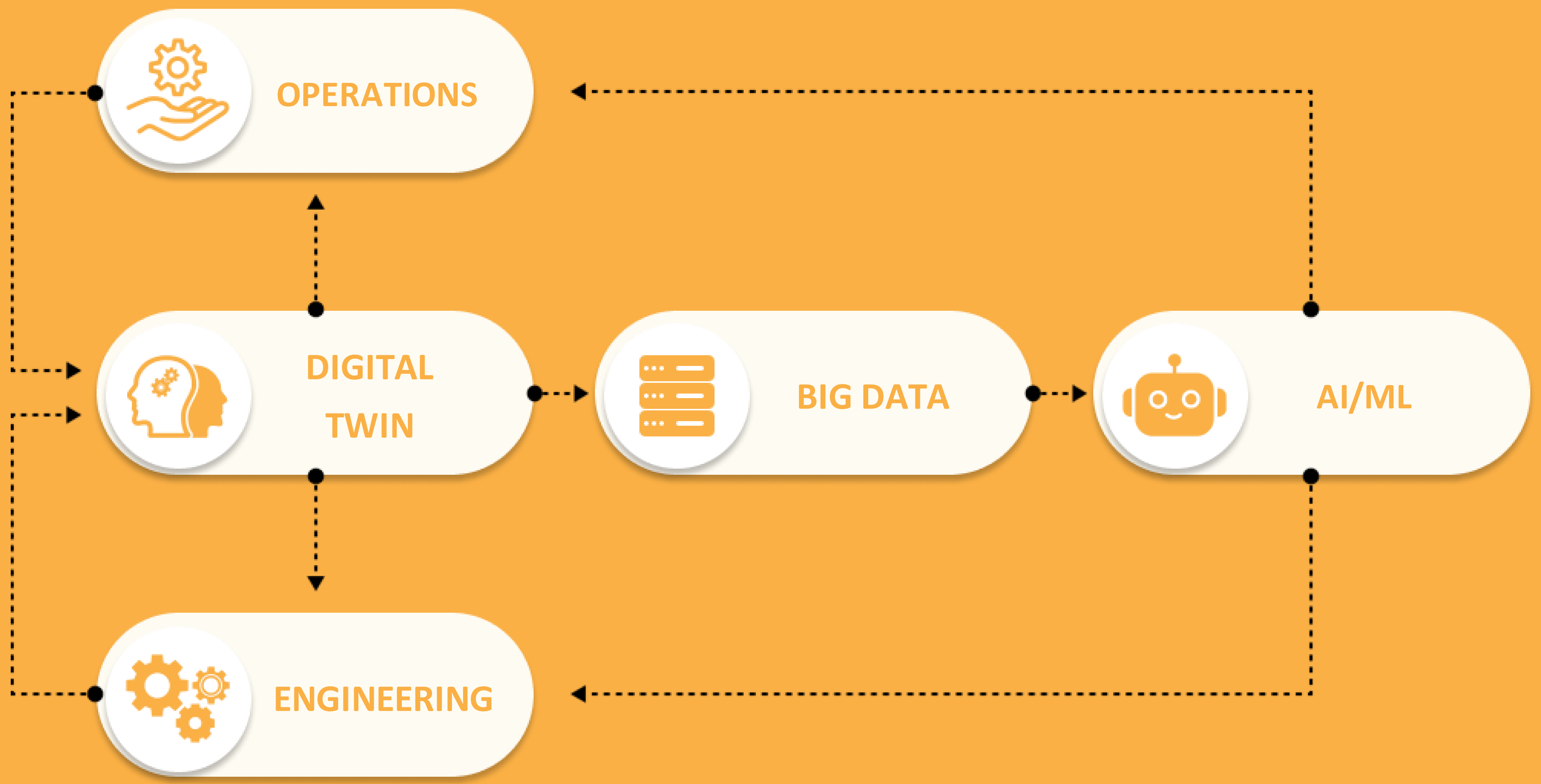
Improved system uptime and availability; reduced downtime and maintenance costs; increased operational reliability

Optimization

Maximization of system performance

Increased biogas production; reduced operational costs; improved sustainability; maximized profitability

ProjectIQ Navigator



This cycle of data collection, analysis, simulation, and implementation can be repeated continuously to enable ongoing improvements to biogas plant operations and new designs.

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- Data Collection: Collect data from various sources, such as weather data, feedstock characteristics, production output, and transportation metrics, and integrate it into a big data system.
- Analysis: Use AI algorithms to analyze the big data and identify patterns and trends. Predictive analytics can be used to forecast future production output, machine learning can optimize processes, and anomaly detection can quickly identify and address issues.
- Simulation: Use a digital twin or plant simulator to model the behavior of the biogas plant and test different scenarios. For example, the simulator can optimize the feedstock mix, adjust operational parameters to maximize production, and evaluate the impact of changes to the plant design.
- Implementation: Implement the changes identified through the analysis and simulation process, and collect data to evaluate the impact of the changes in operations.
- Continuous Improvement: Repeat the process with the new data, refining the AI models and simulation as necessary to improve performance and optimize the biogas plant.

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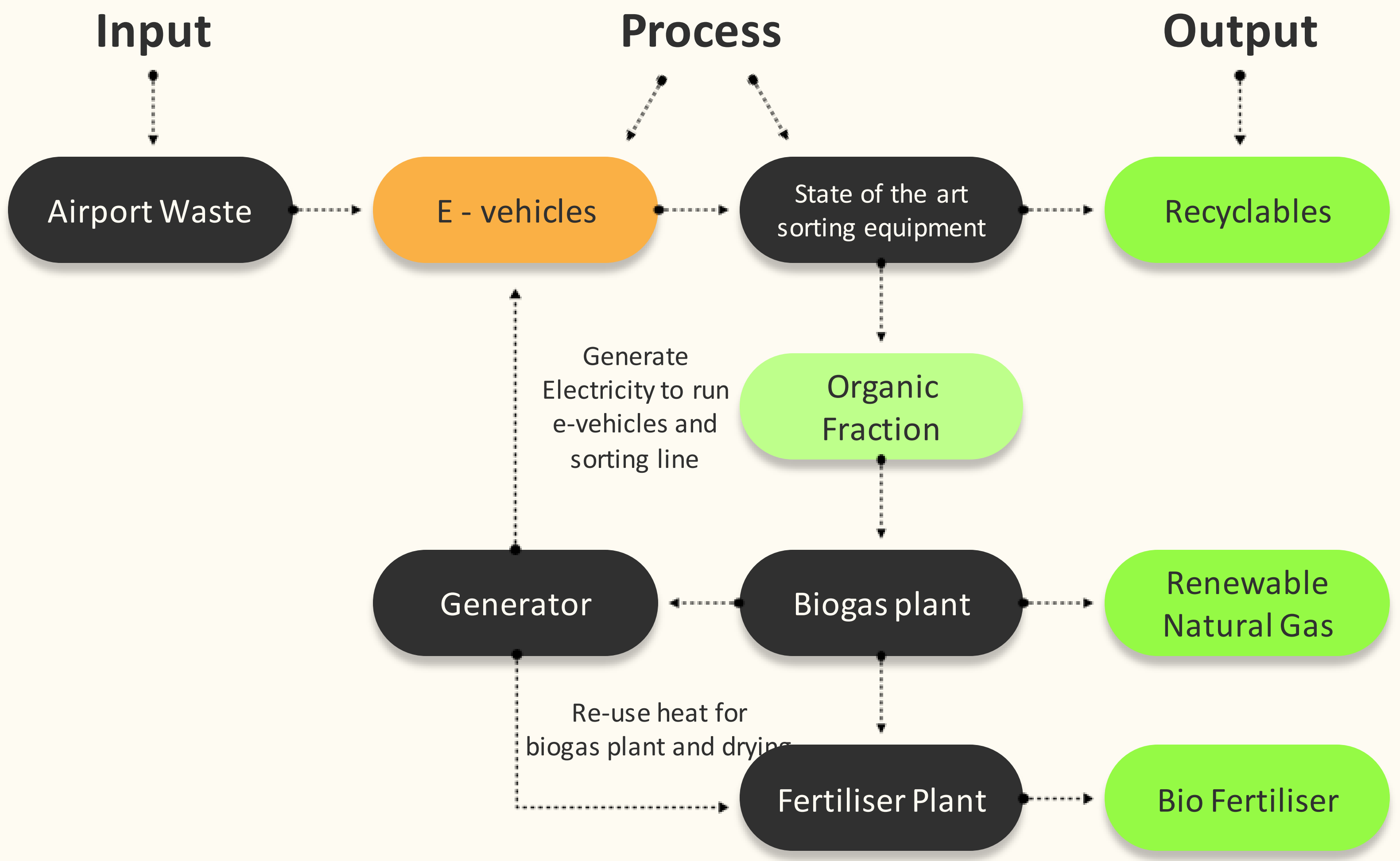
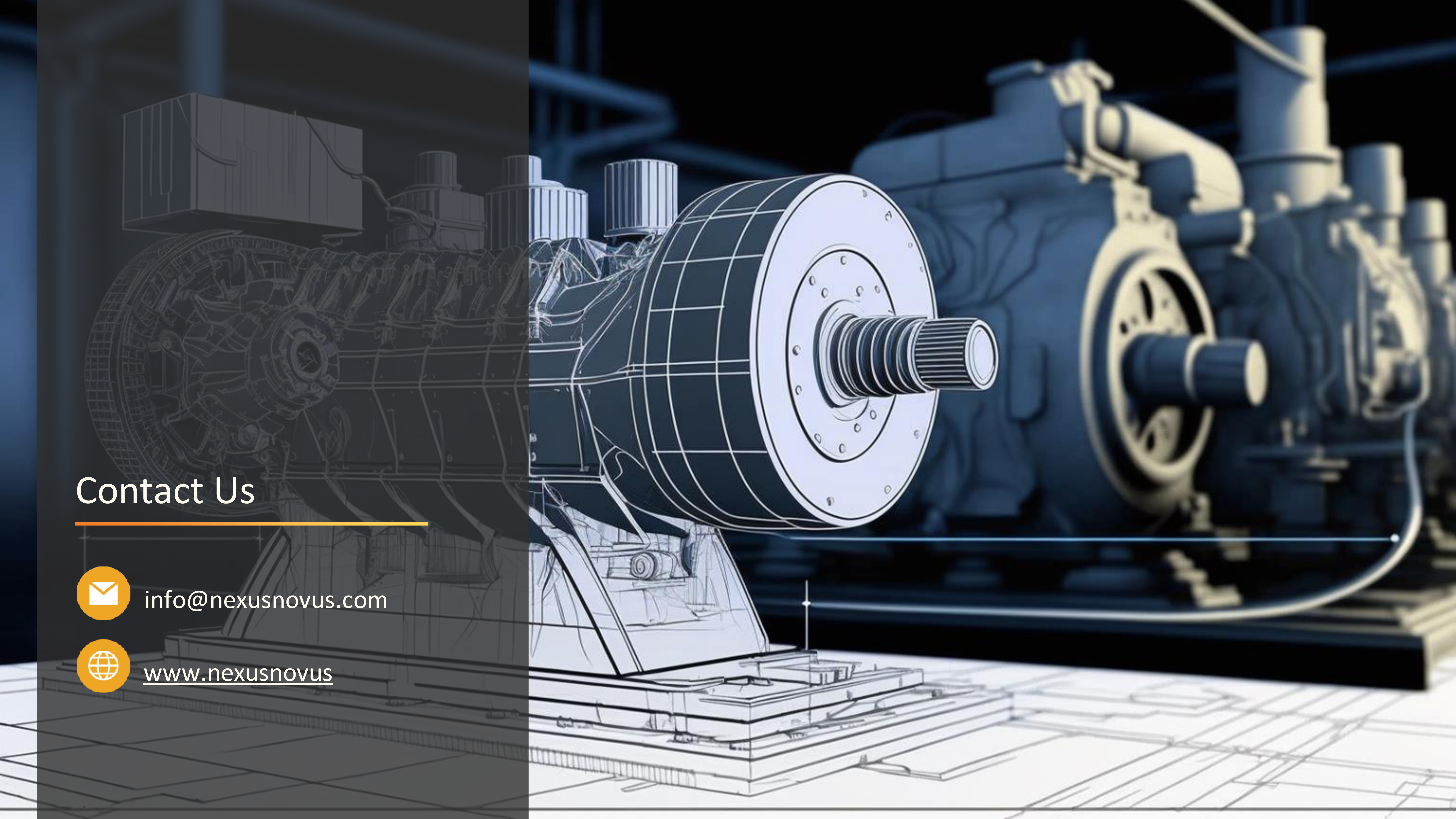
Case study – Bangalore Airport waste management



Component	Capacity	Feedstock	Output
Sorting line	60 TPD	MSW	Recyclables and organic fraction
Biogas plant	50 TPD	Organic fraction and sorted organic waste	Renewable Natural gas and digestate
Organic Manure plant	30 TPD	Digestate	Organic Manure

Status: operational since March 2023



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