



SUSTAINING PLANET

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Sustaining Planet

GRI (2-1), (2-6)

Healthy land is the foundation of Tanmiah's long-term success—and of our promise to a healthier planet. Guided by our sustainability vision, we pursue circular economy, precision-resource management, smart water-conservation, energy-efficiency upgrades, and on-site solar power. Together, these initiatives enrich soils, slash irrigation and fuel needs, and boost yields. Lower inputs and greater efficiency cuts costs and unlocks capital the next wave of green innovation.

Beyond our own operations, we embrace a wider duty to protect the ecosystems that nourish Saudi Arabia. By aligning with the Saudi Green Initiative and the Kingdom's Net-Zero 2060 roadmap, we are accelerating carbon-reduction and water-stewardship projects—from treated-wastewater reuse to drip-irrigation trials—that move both Tanmiah and the nation closer to a resilient, net-zero future. Each hectare we restore, every liter we save, and every emission we cut advances our goal of delivering ethical, sustainable nutrition-while safeguarding the planet we all share.

OUR FOCUS AREAS DEFINED IN MATERIALITY ASSESSMENTS ALIGNED WITH UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS



Climate Action and Energy Efficiency

GRI (3-3), (305-1), (305-2), (305-4), (305-5)

As a leading poultry producer in the region, we understand the risks posed by climate change. Our strategy is shaped by the challenges and opportunities related to climate issues, and we are committed to developing a comprehensive climate transition plan. To facilitate and implement this strategy, we have established a dedicated team focused on energy and waste-to-value transitions.

At Tanmiah, we assess climate-related risks and opportunities across short-, medium-, and long-term timelines as part of our annual enterprise-wide risk assessment. These goals demonstrate

Tanmiah's commitment to minimizing our environmental impact and mitigating the effects of climate change. Additionally, we support our customers in achieving their own sustainability targets.

We continuously invest in enhancing the efficiency of our operations through various technologies, including new LED lighting systems and projects aimed at converting stationary combustion from diesel to LPG. In 2024, we undertook several initiatives, such as finalizing a 3 MW solar Power Purchase Agreement for our Haradh site in Riyadh.



Electricity Consumption

Electricity Consumption (million kWh)	
2022	82.0
2023	89.0
2024	115.5

Electricity Intensity (million kWh/billion SAR revenue)	
2022	47.5
2023	42.7
2024	45.0

At Tanmiah, we are determined to lead the poultry sector through this transformation, making Climate Action and Energy Efficiency the cornerstones of our strategy.

In 2024, our electricity consumption increased due to higher production levels; however, we achieved a 5.26% decrease in electricity intensity compared to 2022. This showcases our steady progress towards our sustainability goals and demonstrates our commitment to lowering our carbon footprint while contributing to a more sustainable future.

We believe that sustainable practices are not only achievable but also essential for the future of our sector. This objective relies on the implementation of strong energy efficiency measures, propelling us towards a more responsible and sustainable future.

In 2024, Tanmiah finalized a 3 MW Solar PPA for our Haradh Hatchery

Emissions Management and Initiatives

	2022	2023	2024
Petrol Consumption (million liters)	1.34	2.03	1.53
Diesel Consumption (million liters)	59.55	58.04	56.14
Fuel Intensity (million liters/billion SAR revenue)	35.25	28.69	22.49

In 2024, we observed a reduction in both our petrol and diesel consumption by 24.63% and 3.27% respectively as compared to 2023. This highlights our improved operational efficiency and the effectiveness of our fuel management strategies. Through measures such as optimized routing and vehicle

maintenance, we were successful in bringing down our fuel consumption and managing resources responsibly. We are aiming to reduce our Scope 2 emissions and have replaced 60% of conventional lighting with LED lighting as one of the essential stages in lowering electricity use and, thus, emissions.

	2022	2023	2024
Scope 1 emissions (MtCO ₂ e)	151,545	160,234*	154,973*
Scope 2 emissions (MtCO ₂ e)	43,194	54,865*	70,921*
Scope 1 emission intensity (MtCO ₂ e/MSAR)	94.2	76.5*	60.45*
Scope 2 emission intensity (MtCO ₂ e/MSAR)	27.9	26.2*	27.7*

* Numbers have been assured by external third party

We are teaming up with international partners to boost our electricity consumption from renewable sources such as our solar PPA agreement at our Haradh hatchery. We are also doing trials on the conversion of diesel incinerators to LPG to reduce fuel usage and lower emissions.

DHV was able to achieve a 15% emissions reduction from its transportation fleet while maintaining efficiency.



Carbon Sequestration Through Plantation

Since 2021, Tanmiah has led a large-scale tree-planting initiative to support climate action and increase green cover

across Saudi Arabia. Over the past four years, we have planted approximately 407,000 trees, contributing to an estimated carbon offset of 114,800 tons of CO₂ equivalent (tCO₂e).

Trees Plantation	2021	2022	2023	2024
Number of Trees	200k	100k	38.5k - KSA 100k - Bahrain (donated)	68,500 (Total: 407,000)
Equivalent Offsetting (tCO ₂ e)*	27,000	Cumulative 56,000	Cumulative 97,118	Cumulative 114,800

*Calculations were done using iTree tool, <https://www.itreetools.org/>.

Sustainable Water Stewardship

GRI (3-3), (303-1), (303-2), (303-3), (303-4), (303-5)

Water is vital to Tanmiah’s operations. From bird welfare and equipment sanitation to the rigorous hygiene standards that keep our team and customers safe, every drop counts and we are committed to manage and conserve this critical resource with utmost responsibility.

All of Tanmiah’s facilities are situated in regions classified as experiencing high or extremely high water stress, according to the World Food Security Index ranking.

Our water management framework constitutes a fundamental aspect of our commitment to sustainable operations. We ensure responsible and efficient water usage by rigorously monitoring water withdrawal, consumption, and discharge. We evaluate both direct and indirect water-related impacts and maintain active engagement with stakeholders.

Our production facilities employ a variety of management practices and technologies to monitor, quantify, and reduce water usage. These practices include the use of localized flow meters, flow restrictors, flow control valves, and automated water management systems.

Moreover, we are dedicated to reusing water within our production processes and are actively working to improve these practices. Our integrated goal-setting process is founded on reliable data and aligns with both corporate policies and local circumstances. This approach underscores our commitment to continuous improvement and responsible water stewardship. Our comprehensive strategy not only safeguards local water supplies but also reinforces Tanmiah’s position as a leader in sustainable business practices.

In 2024, we experienced an increase in total water consumption driven by higher output, yet our water-intensity held steady at 0.80 ML/MSAR, reflecting consistent efficiency.



	2022	2023	2024
Total Water Consumption (ML) **	1,433	1,684*	2,052*
Water Withdrawal – Third-Party (ML)	2,170	2,547*	3012*
Water Withdrawal – Groundwater (ML)	587	827*	779*
Waste Water (Total Discharge) (ML)	1,324	1,691*	1739*
Waste Water - Third Party (ML)	743	841*	863*
Waste Water Recycled (ML)	581	850*	876*
Water Savings Estimate (MSAR)	5.70	9.44	9.6
Water Intensity (ML/MSAR)	0.83	0.80*	0.80*

* Numbers have been assured by external third party
** Water consumption figures does not include TRC data as it's included in rental contracts and falls out of Tanmiah financial boundary for purpose of this report

Responsible Wastewater Management

In 2024, we adhered to a stringent approach to wastewater management across all our facilities. Wastewater was meticulously processed, either being treated and repurposed for appropriate uses within our operations, such as irrigation, or adequately processed by certified third-party suppliers in compliance with National Center for Environmental Compliance

(NCEC) guidelines. This strategy underscores our ongoing commitment to environmental sustainability and regulatory compliance.

At Tanmiah, we comply with all local regulations, have installed reverse osmosis (RO) units wherever groundwater is directly utilized, and engage government-certified water providers in other locations. All water use aligns with government guidelines.

	2022	2023	2024
Water Recycling Rate	21%	25%	23%

Additionally, we have two new RO plants under construction which will help us use clean drinking water for our chickens as part of animal welfare.

Wastewater Treatment Plant:

The facility installed at the Abha PPL and Shaqra PPL treats wastewater,

making it suitable for irrigation purposes. The treated water is then strategically used for on-site plantation, minimizing reliance on external water sources and promoting resource efficiency.

ABHA PPL FIGURES

Raw water purchased from 3rd party	850,000 (liters per day)
Recovered after Wastewater Treatment (90%)	765,000 (liters per day)
Used for Plantation (90% of treated water)	688,500 (liters per day)

SHAQRA PPL FIGURES

Raw water from the well	1,500,000 (liters per day)
Recovered after Wastewater Treatment (90%)	1,350,000 (liters per day)
Used for Plantation (90% of treated water)	1,215,000 (liters per day)

In-House Ice Production:

The ice-making plant at our Shaqra PPL utilizes RO water, eliminating the need to purchase fresh ice from external distributors. We prioritize quality control by testing all produced ice in our laboratories to ensure it meets the required specifications. A similar, but lower-capacity, ice-making plant was

completed at our Abha PPL, catering to its specific needs.

Combined, these in-house ice production facilities are projected to generate annual savings of approximately SAR 6 million. The ice produced plays a vital role in our poultry processing operations, particularly during the spin chilling process.

Compared to 2023, the amount of wastewater recycled increased by 3.1%.

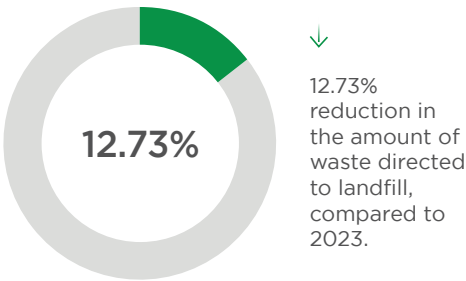


Circular Waste Approach

GRI (306-1), (306-2), (306-3), (306-4), (306-5)

Tanmiah takes a holistic approach to managing waste-related problems. It takes into account the entire value chain, from raw material inputs and in-house production activities to waste generated both upstream (by suppliers) and downstream (by distribution and end-of-life product management).

We reduce our environmental impacts while also improving operational efficiency and sustainability across the whole value chain by recognizing the precise inputs, activities, and outputs that contribute to waste formation and addressing each stage with tailored management solutions.



Type of Waste (Tonnes)	Generated *		Diverted from Landfill		Directed to Landfill	
	2023*	2024*	2023	2024	2023	2024
Hazardous Waste	41,327	39,055	-	-	41,327	39,055
Non-Hazardous Waste	157,808	121,471	28,848	11,923	128,960	109,548

* Numbers have been assured by external third party



Tanmiah's 2024 Recycling Achievements

Based on our 2024 sustainability objectives, we actively established extensive waste recycling systems across our operations, resulting in the recycling and effective diversion of the following materials from landfills:

368,000 Liters

Used Oil Recycled Quantity

309 KG

E-Waste Recycled Quantity

1,000 KG

Metal Scrap Recycled Quantity

58,800 Pieces

Wooden Pallets: Approx

Closing the Loop

Tanmiah is committed to the implementation of innovative circular economy practices throughout its operations. The forthcoming waste-to-energy processing project serves as a pivotal initiative in this commitment. This planned initiative will represent a significant advancement in our sustainability efforts, enabling waste reduction while concurrently promoting the generation of renewable energy.

The process will convert poultry waste, commonly regarded as a problematic byproduct, into renewable energy on a daily basis.

Carbon Sequestration and Energy Generation:

Through the process of pyrolysis, poultry manure is converted into stable biochar, effectively sequestering carbon within this material. For every kilogram of biochar produced, approximately 2 to 2.5 kilograms of carbon dioxide (CO₂) are permanently removed from the atmosphere. This initiative anticipates sequestering significant amount of CO₂ annually. Additionally, this process will generate renewable energy in the form of syngas, a byproduct of pyrolysis.

Comparison of Emissions with Other Disposal Methods:

In contrast to traditional methods such as composting or anaerobic digestion, which can emit methane (CH₄) and nitrous oxide (N₂O), the oxygen-deprived pyrolysis process produces negligible quantities of methane and minimal nitrogen oxides (NO_x). The elevated temperatures associated with pyrolysis result in net-negative CO₂ emissions, significantly surpassing the performance of anaerobic digestion.

Soil and Water Quality Enhancements:

Soils amended with biochar demonstrate enhanced nutrient retention and improved fertility levels, both of which are essential for sustainable agricultural practices. The porous structure of biochar enables the adsorption of harmful contaminants, including phosphorus and heavy metals, thereby mitigating nutrient runoff and reducing pollution in waterways.

PPL Waste to Offal Meal

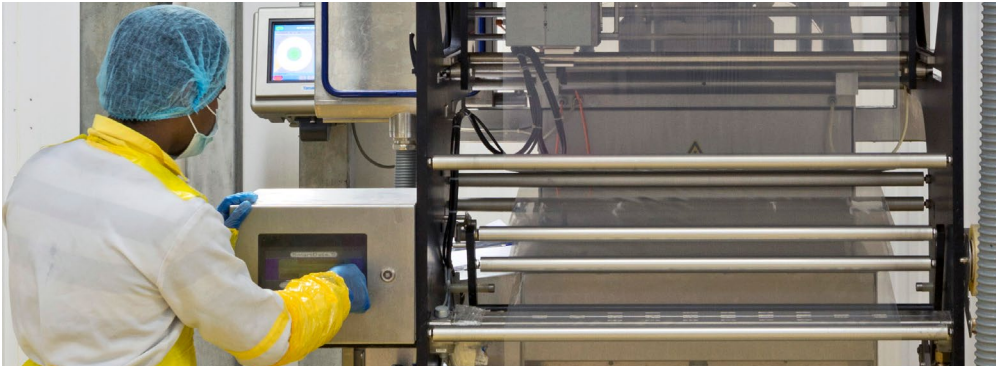
This technique requires effective handling of byproducts, such as poultry slaughterhouse waste. Our rendering plants convert poultry waste into offal meal which is then exported to other nations for use in animal feed. In 2024, nearly 12,000 tonnes of offal meal was created through our facilities.



Optimizing Packaging

During 2024, we prioritized a strategic reduction of our plastic footprint through rigorous packaging material optimization. Recognizing the essential role plastic plays in preserving product hygiene, extending shelf life, and ensuring food safety in poultry

packaging, we intensified our efforts to explore and adopt sustainable alternatives across our entire product range. We pursued opportunities to reduce plastic use across our products and increased exploration of recycled and biodegradable materials.



Packaging Types (Tonnes)	2022	2023*	2024*	% Share in 2024
Foam Trays	225	142	131	8.6%
PET Trays	307	713	750	49.1%
Plastic Bags	468	443	646	42.3%
Total	1,200	1,299	1,527	100%

* Numbers have been assured by external third party

Packaging Intensity	2022	2023	2024
Total Packaging (million numbers)	133.27	127.39	169.96
Total Production (million numbers)	114.95	136.34	151.89
Packaging Intensity (units packaging per units of production)	1.16	0.93	1.11

Omni Awards

In 2024, Tanmiah launched the Omni Awards in partnership with Al Dabbagh Omni-Lab. This award presented a challenge to participants seeking groundbreaking packaging solutions that minimize environmental impact and enhance brand value. The challenge focuses on key areas such as biodegradable materials, creative reusable designs, cost reduction, and recyclable packaging.

In total, 37 contestants took part in this Omni Challenge out of which top 10 solutions were given cash prizes. We will be working with the top solutions further in 2025 which will focus on bioplastics and biodegradable solutions.

Tanmiah awarded 60,000 SAR in prizes to the top 10 winners.

Recognizing the significant volume of packaging waste generated, we aimed to collaborate with innovators to develop biodegradable, reusable, and aesthetically appealing packaging. This initiative directly supports our goal to become the number one global halal, sustainable, and healthy protein company by 2030, aligning with Saudi Vision 2030's focus on environmental sustainability and resource protection.

