Sustainability Next Steps

Projects & Sustainability Department

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Environmental Sustainability Ambassadors - Initiative

📌 What is the Initiative?

The **Ambassadors of Environmental Sustainability** is a recognition program at **Fakieh Poultry Farms**, awarded **quarterly** to sites that actively **monitor sustainability performance indicators** and **submit monthly reports** on energy, water, and waste management.

🎯 Purpose of the Initiative

📢 Engaging with Sites

Strengthening collaboration to enhance sustainability performance.

🚀 Encouraging Other Sites

Recognizing top-performing sites & inspiring wider participation.

🌱 Building a Sustainability-Driven Culture

Raising awareness across sectors & paving the way for qualified employees to join the sustainability department in the future.

📲 Sharing Our Progress

Posting on LinkedIn to highlight our initiatives & boost engagement.

🎁 The Reward

A **symbolic gift** will be awarded to sites that achieve this milestone, recognizing their commitment and motivating continuous improvement in sustainability efforts.

Sites Sustainability Assessment - Project

🎯 Project Purposes:

1- Evaluate Fakieh Poultry Farms' sustainability performance.

2- Identify key ESG gaps and areas for improvement.

3- Monitor key sustainability aspects, including energy consumption, water usage, and waste management.

4- Ensure compliance with international sustainability standards.

5- Increase awareness by conducting a workshop on sustainability best practices and ESG principles.

📍 Targeted Sites:

Zima Slaughterhouses

Includes refrigerators, rendering plant, and a desalination station.

Allaith Hatchery

Utilizes solar panels and heat exchangers.

Redwan Broiler Farms

100% reliant on diesel, with potential for aerobic digestion adaptation.

Key Deliverables:

Sustainability Assessment & Gap Report.
(Current maturity, ESG gaps, compliance check).

Sustainability Roadmap & Action Plan
(Strategic initiatives, prioritized improvements).

Sustainability Scorecard & KPI Framework
(Performance tracking, benchmarking).

Implementation & Monitoring Support
(Guidance for embedding sustainability best practices).

Final Workshop for Awareness
(Educating our team on sustainability goals and best practices).

Management Walkthrough (Fakieh 360°)

🔵 WHY?

We believe leadership should be **engaged, accountable, and action-driven.**

This walkthrough strengthens our connection with **on-ground operations,** enhances collaboration, ensures compliance, and empowers employees while driving sustainability and efficiency.

This is valuable content worth sharing on LinkedIn, showcasing our commitment to growth & leadership engagement 🌱

🟡 HOW?

- **Site Selection:** Rotational visits to farms, hatcheries, slaughterhouses, and factories.
- **Leadership Team:** CEO, CFO, Production, Safety, Sustainability, HR, Marketing, QA/QC, and relevant divisions.
- **Agenda:**

✅ Site briefing & key challenges

✅ On-ground assessment & employee engagement

✅ Findings discussion & action plan

- **Frequency:** Monthly or quarterly, covering all key sites.

🟢 WHAT?

✓ Operational efficiency & compliance improvements

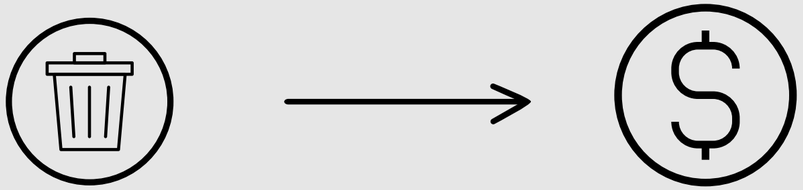
✓ Stronger sustainability & safety performance

✓ Employee engagement & leadership alignment

✓ Actionable insights for long-term growth

360°

Current Situation



Organic Waste Generated:

Monthly: 28,829 Tons

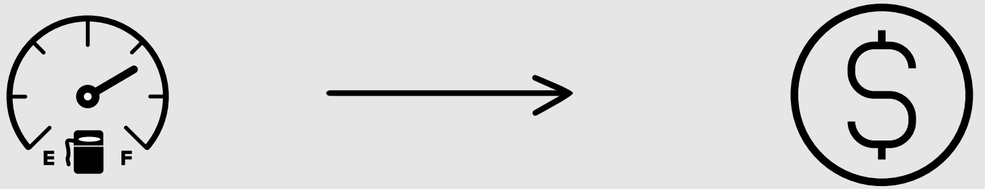
Yearly: 345,948 Tons

Waste Disposal Cost:

Monthly: 1,300,383 SAR

Yearly: 15,604,596 SAR

To generate electricity



Diesel Used:

Monthly: 1,142,028.40 L = 11,603,008.54 kWh

Yearly: 13,704,340.80 L = 139,236,102.48 kWh

Diesel Cost:

Monthly: 1,838,665.72 SAR

Yearly: 22,063,988.64 SAR

- ✓ Waste Disposal Cost (15,604,596 SAR)
- ✓ Diesel Consumption (13,704,340 L = 22,063,988 SAR))
- ✗ No saving (Linear Economy)

Anaerobic Digestion - Turning Waste into Energy

1

Power Generated

Monthly: 7,207,250 kWh

Yearly: 86,487,000 kWh

Processed waste

Monthly: 28,829 Tons

Yearly: 345,948 Tons

2

Compost Fertilizer

Total Saving:

Monthly	Yearly
2,442,326 SAR	29,307,909 SAR

- **Circular Economy**
- **Waste Processed**
  (Eliminates Disposal Cost)
- **Generate clean energy**
  Monthly: 7,207,250 kWh
  Yearly: 86,487,000 kWh
- **Reduce Diesel Consumption by 62%**
  Monthly: 1,142,028.40 L → 709,410 L
  Yearly: 13,704,340 L → 8,512,920 L
- **Reduce Diesel Cost**
  Monthly: 1,838,666 SAR → 1,141,942 SAR
  Yearly: 22,063,989 SAR → 13,703,311 SAR
- **Potential Carbon Credits & Environmental Compliance**

Anaerobic Digestion - From Challenges To Opportunities

Current Challenges:

- High volumes of organic waste from farms, hatcheries, and slaughterhouses.
- Rising waste disposal costs and environmental compliance requirements.

Opportunities

✅Waste turns into a resource instead of a cost.

✅Disposal cost is eliminated since waste is processed on-site.

✅Diesel consumption drops by 62.12% due to biogas energy replacing fuel.

✅Electricity is generated, reducing dependence on diesel.

✅Biogas can be used for heating or additional energy needs.

✅Organic fertilizer (digestate) can replace synthetic fertilizers, creating additional savings.

Thank you