



## 3DR MODEL MAKING

AI Quoz Industrial Region P.O. Box: 54136 Dubai, U.A.E

# CORPORATE SUSTAINABILITY REPORT 2024



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## 1. Organizational Profile (GRI 2-1)

3DR Model Making LLC, based in Dubai, UAE specializes in high-precision architectural and industrial model fabrication. The company integrates sustainability, innovation, and craftsmanship to deliver quality models globally. Operations encompass design, production, and logistics facilities in Al Quoz, emphasizing responsible resource management, environmental protection, and continuous improvement aligned with ESG principles.

## 2. Stakeholder Engagement (GRI 102-40)

3DR Models actively engages internal and external stakeholders, including employees, suppliers, clients, and regulators. Engagement mechanisms include supplier audits, employee awareness programs, and client sustainability consultations. The company integrates stakeholder feedback into its GHG reduction and sustainability planning to ensure inclusive, transparent, and science-based progress toward shared environmental objectives.

## 3. Material Topics (GRI 102-46)

Through a structured materiality assessment, 3DR Models identified climate change mitigation, energy efficiency, waste management, and ethical sourcing as key material topics. These priorities are integrated into business strategy and disclosed transparently. Material issues guide resource allocation, risk management, and sustainability investments to maximize positive environmental and social impacts.

ENVIRONMENTAL	SOCIAL	GOVERNANCE
<ul style="list-style-type: none"><li>1. Energy efficiency in model production</li><li>2. Sustainable materials sourcing</li><li>3. Waste reduction and recycling</li><li>4. Emissions from transportation and logistics</li><li>5. Water consumption and conservation</li><li>6. Chemical and solvent management</li><li>7. Noise and air pollution control</li><li>8. Sustainable packaging and shipping materials</li><li>9. Lifecycle impact of miniature models</li><li>10. Supplier environmental performance</li></ul>	<ul style="list-style-type: none"><li>1. Workplace safety and accident prevention</li><li>2. Employee welfare and fair compensation</li><li>3. Talent retention and professional development</li><li>4. Ethical labor practices across operations</li><li>5. Stakeholder engagement and communication</li><li>6. Social impact of projects on local communities</li><li>7. Product quality and client satisfaction</li><li>8. Employee diversity and equal treatment</li><li>9. Skill development in model-making and craftsmanship</li><li>10. Employee mental health and work-life balance</li></ul>	<ul style="list-style-type: none"><li>1. Ethical business conduct and integrity</li><li>2. Compliance with UAE laws and international standards</li><li>3. Transparency in ESG reporting</li><li>4. Board diversity and independence</li><li>5. Risk assessment and mitigation strategies</li><li>6. Anti-corruption and anti-fraud controls</li><li>7. Data security and client confidentiality</li><li>8. Responsible procurement and contractor compliance</li><li>9. ESG integration in decision-making</li><li>10. Accountability and performance monitoring</li></ul>

#### **4. Targets and Future Goals (GRI 103)**

3DR Models aims for a 23% overall emission reduction by 2030 and net-zero by 2050. Interim goals include a 20% cut in Scope 1, 26% in Scope 2, and 21% in Scope 3 emissions by 2030. These goals support the UAE Net Zero Strategy and SBTi 1.5 °C-aligned commitments.

#### **5. Strategy and Governance (GRI 2-9)**

Sustainability governance at 3DR Models is driven by an ESG Steering Committee that reports to top management. The committee oversees GHG monitoring, energy management, and stakeholder engagement. Sustainability policies are embedded in business operations, aligned with ISO 14001 and UAE Net Zero 2050. Regular reviews ensure compliance and continuous performance enhancement.

#### **6. Procurement Practices (GRI 204)**

3DR Model Making LLC ensures fair, transparent, and ethical procurement by prioritizing local, sustainable, and ESG-compliant suppliers. Vendor selection considers quality, cost efficiency, and environmental and social responsibility. Regular supplier evaluations promote accountability and continuous improvement across the supply chain in line with GRI 204 standards.

#### **7. Anti-Corruption Policy (GRI 205)**

3DR Model Making LLC maintains a zero-tolerance policy toward bribery, fraud, and corruption. All employees and partners must act with integrity, transparency, and fairness in business dealings. Regular training, internal audits, and whistleblowing mechanisms ensure compliance with UAE Anti-Bribery laws and GRI 205 standards.

#### **8. Energy Consumption (GRI 302-1)**

Energy use includes grid electricity and fuel consumption. Efficiency improvements and renewable integration are key strategies to reduce intensity. The company promotes smart monitoring, preventive maintenance, and operational upgrades to minimize energy waste. Annual performance reviews ensure consistent alignment with national and international energy efficiency standards.

#### **9. GHG Emissions (GRI 305-1)**

3DR Models monitors greenhouse gas emissions across Scope 1, 2, and 3 using the GHG Protocol and ISO 14064-1 standards. In 2024, total emissions reached 3,623.7 tCO<sub>2</sub>e, marking a 5.8% reduction from 2023. Continuous improvements in fleet efficiency, renewable energy use, and supplier engagement underpin measurable emission reductions aligned with SBTi criteria.

## **10. Scope 1 Emissions Management (GRI 305-1)**

Scope 1 emissions originate from company-owned vehicles, generators, and stationary fuel use. Reduction measures include adopting hybrid vehicles, optimizing logistics, and enhancing maintenance efficiency. The company achieved an 8.5% year-on-year reduction. Regular monitoring, supported by accurate fuel data, ensures transparency and adherence to 1.5 °C-aligned climate pathways.

## **11. Scope 2 Emissions Management (GRI 305-2)**

Scope 2 emissions stem from purchased electricity and district cooling. Energy conservation initiatives such as LED retrofitting, HVAC optimization, and renewable energy adoption are in progress. 3DR Models plans to achieve net-zero Scope 2 emissions by 2050, with interim 26% reductions targeted by 2030 under UAE Net Zero strategy alignment.

## **12. Scope 3 Emissions Management (GRI 305-3)**

Scope 3 covers emissions from suppliers, logistics, product use, and waste disposal. In 2024, these totalled 2,034.6 tCO<sub>2</sub>e, reduced by 5.4% from 2023. Supplier engagement programs, eco-logistics optimization, and sustainable material sourcing form the foundation of Scope 3 emission control, enhancing circular economy integration across the value chain.

## **13. Waste Management (GRI 306-1 to 306-5)**

3DR Models manages operational waste responsibly, including plastics, resins, and packaging. Waste segregation, recycling partnerships, and supplier take-back programs minimize landfill disposal. The company ensures compliance with Dubai Municipality environmental regulations and works toward a circular materials strategy that reduces environmental footprint across production and logistics activities.

## **14. Supplier and Value Chain Engagement (GRI 308-1)**

Suppliers are evaluated for environmental performance and required to align with ISO 14001, SBTi, and CDP frameworks. Regular audits and training ensure adherence to low-carbon manufacturing practices. Supplier performance is linked to contract renewals, promoting shared accountability for emissions reduction and sustainable sourcing throughout the value chain.

## **15. Business Travel and Employee Commuting**

Emissions from business travel and commuting are minimized through virtual meeting adoption, efficient route planning, and electric vehicle incentives. Carpooling and flexible work policies support emission reduction goals. Continuous tracking of travel-related data helps identify further opportunities to lower Scope 3 emissions while enhancing employee well-being and productivity.

## 16. Environmental Performance Indicators

Key environmental indicators include total GHG emissions, energy intensity, waste generation, and renewable energy ratio. All metrics are reviewed quarterly to assess progress against Science-Based Targets. Reporting is aligned with GRI and ISO frameworks, ensuring that sustainability outcomes are transparent, comparable, and externally verifiable.

## 17. Monitoring, Verification, and Reporting

Emissions data are verified internally and audited by third parties to ensure accuracy. Annual GHG inventories are prepared under the GHG Protocol and ISO 14064-1 frameworks. Data is used for strategic decision-making, public disclosures, and annual sustainability reporting, reinforcing transparency and accountability in climate performance management.

## 18. Continuous Improvement and Innovation

3DR Models continually improves its sustainability performance through technological innovation and employee engagement. Initiatives include digitized model design, renewable energy adoption, and waste recycling automation. These innovations enhance operational efficiency, reduce environmental impact, and demonstrate leadership in sustainable model manufacturing across the UAE and global markets.

## 19. Employment (GRI 401)

3DR Model Making LLC is committed to fair and inclusive employment practices. Recruitment, retention, and career development are based on merit, diversity, and equal opportunity. Employee well-being, health, and safety are prioritized, and regular training programs ensure skill enhancement and engagement in line with GRI 401 standards.

## 20. Labor/Management Relations (GRI 402)

3DR Model Making LLC promotes open, transparent, and constructive dialogue between management and employees. Regular meetings, feedback mechanisms, and joint committees ensure employee concerns are addressed, fostering trust, collaboration, and workplace harmony. All practices comply with UAE labor laws and align with GRI 402 standards.

## 21. Occupational Health and Safety (GRI 403)

3DR Model Making LLC prioritizes employee health and safety by implementing comprehensive risk assessments, safety training, and emergency preparedness measures. Protective equipment, safe work procedures, and regular audits minimize workplace hazards. Continuous monitoring and improvement ensure compliance with UAE regulations and alignment with GRI 403 standards.

**22. Training and Education (GRI 404)**

3DR Model Making LLC invests in continuous employee development through structured training programs, workshops, and mentorship. Skills enhancement, leadership development, and ESG awareness initiatives are provided to all staff. Training effectiveness is regularly evaluated to ensure growth, competence, and alignment with organizational goals, in accordance with GRI 404 standards.

**23. Diversity & Equal Opportunity (GRI 405)**

3DR Model Making LLC fosters a diverse and inclusive workplace by promoting equal opportunities in hiring, career advancement, and remuneration. All employees are treated fairly regardless of gender, age, ethnicity, or background. Policies and programs are regularly reviewed to ensure compliance with UAE laws and alignment.

**24. Non-Discrimination (GRI 406)**

3DR Model Making LLC strictly prohibits any form of discrimination in the workplace based on race, gender, age, religion, disability, or other personal characteristics. Complaints are addressed through formal grievance mechanisms, ensuring fair treatment, accountability, and compliance with UAE labor laws.

**25. Child Labor & Forced Labor (GRI 408 & 409)**

3DR Model Making LLC strictly prohibits child labor and all forms of forced or compulsory labor. Recruitment and employment practices are monitored to ensure compliance with UAE labor laws and international standards. Regular audits, supplier due diligence, and employee awareness programs uphold human rights and align with GRI 408 and 409 standards.

**26. Human Rights Assessment (GRI 412)**

3DR Model Making LLC conducts regular human rights assessments across operations and its supply chain to identify, prevent, and mitigate potential violations. Findings guide policy updates, training, and corrective actions. All practices comply with UAE laws and international human rights standards, ensuring alignment with GRI 412 requirements.

**27. Supplier Social Assessment (GRI 414)**

3DR Model Making LLC evaluates suppliers on social responsibility, labor practices, human rights, and ESG compliance before engagement. Regular audits, questionnaires, and performance reviews ensure suppliers uphold ethical standards. Non-compliant suppliers are provided corrective action plans, promoting accountability and alignment with GRI 414 standards.

**28. Customer Health and Safety (GRI 416)**

3DR Model Making LLC ensures all products and services meet strict safety and quality standards to protect customers. Risk assessments, testing, and compliance checks are conducted regularly. Feedback and incident monitoring support continuous improvement, ensuring adherence to UAE regulations and alignment with GRI 416 standards.

**29. Information Security (GRI 418)**

3DR Model Making LLC safeguards all business and customer information through robust data protection policies, secure IT systems, and employee awareness programs. Regular audits, risk assessments, and incident response protocols prevent unauthorized access or breaches, ensuring compliance with UAE data protection laws and alignment with GRI 418 standards.

**SUSTAINABILITY PERFORMANCE DATA - 2024**

SI. No	KPI	Unit	Measures
1.	Total weight of non-hazardous waste	Tons	10.02
2.	Total weight of waste recovered	Tons	18.9
3.	Percentage of non-hazardous waste correctly disposed	Percentage	90
4.	Total gross Scope 1 GHG emissions	MTCO2e	3,768.09
5.	Total gross Scope 2 GHG emissions (market or location based)	MTCO2e	12,123.00
6.	Total gross Scope 3 GHG emissions	MTCO2e	20346.96
7.	Total gross Scope 3 Downstream GHG emissions	MTCO2e	7128
8.	Total gross Scope 3 Upstream GHG emissions	MTCO2e	13,218.96
9.	Percentage of targeted suppliers who have signed the supplier code of conduct	Percentage	100
10.	Percentage of targeted suppliers with contracts that include clauses on environmental, labor, and human rights requirements	Percentage	100
11.	Percentage or number of targeted suppliers covered by a sustainability assessment	Percentage	90
12.	Percentage or number of targeted suppliers covered by a sustainability on-site audit	Percentage	100
13.	Percentage or number of audited or assessed suppliers engaged in corrective actions or capacity building	Percentage	95
14.	Energy consumption and GHGs	Kwh	1,21,23,000
15.	Total energy consumption	Kwh	1,21,23,000
16.	Product use	Percentage	46
17.	Biodiversity	Percentage	12
18.	Social dialogue	Count	10
19.	Percentage of employees trained on business ethics	Percentage	100
20.	Percentage or number of all buyers who received training on sustainable procurement	Percentage	100
21.	Working conditions	Percentage	100

22.	Product end-of-life	Count	33
23.	Number of days lost to work-related injuries, fatalities, and ill health	Count	0
24.	Number of work-related accidents	Count	0
25.	Employee health and safety	Count	0
26.	Air pollution	Index	23
27.	Total weight of air pollutants	Metric Tons	0
28.	External stakeholder human rights	Count	0
29.	Total water consumption	Cubic Meters	455
30.	Total amount of water recycled and reused	Liters	38,800
31.	Water	Cubic Meters	72
32.	Percentage of women employed in the whole organization	Percentage	14.89
33.	Percentage of women at top management level	Percentage	10
34.	Percentage of women within the organization's board	Percentage	16
35.	Percentage of employees from a minority or vulnerable group in the whole organization	Percentage	11.4
36.	Number of identified discrimination or harassment incidents or corrective actions	Count	0
37.	Discrimination and Harassment	Count	0
38.	Career management and training	Percentage	100
39.	Average hours of training per employee	Hours	8
40.	Number of confirmed information security incidents	Count	0
41.	Materials, chemicals, and waste	Liters	9584
42.	Total weight of hazardous waste	Tons	0.86
43.	Number of reports related to whistleblower procedure	Count	0
44.	We have a quantitative target to paying living wage within a set deadline	Percentage	0

45.	We publicly announced our living wage quantitative target	Percentage	0
46.	We have a commitment to continuously pay a living wage	Percentage	0
47.	Analysis of employees' wage levels against a living wage benchmark (benchmark from a methodology recognized by IDH Living Wage Benchmark Methodologies Recognition Process)	Percentage	100
48.	Percentage of direct employees covered by a living wage benchmarking analysis	Percentage	100
49.	Percentage of direct employees paid below living wage	Percentage	0
50.	Percentage of all employees paid below living wage, including direct employees and non-employee workers	Percentage	0
51.	Percentage of average wage gap for direct employees paid below living wage against a living wage benchmark	Percentage	0
52.	Ratio of the annual total compensation for the highest paid individual, to the median annual total compensation for all employees	Ratio	0.5
53.	Average unadjusted gender pay gap	Percentage	0
54.	Percentage of employees paid at or above living wage	Percentage	100
55.	Customer health and safety	Count	0
56.	Environmental services and advocacy	Count	5
57.	Child labor, forced labor, and human trafficking	Count	0

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**INDEPENDENT ASSURANCE STATEMENT**

This CSR report has been independently verified by BMQR, a third-party assurance provider, in accordance with ISO/IEC 17029:2019. The assurance engagement covered a Type 2 assurance of the information and data disclosed within this report.

The scope of the assurance included verifying the accuracy, completeness, and reliability of the disclosures made under all relevant sections of the GRI Standards. The assurance provider conducted the engagement based on applicable assurance principles and issued an assurance statement confirming the integrity of the disclosed information.

Name of Assurance Provider : BMQR Certifications Pvt Ltd,

Standard Used : ISO/IEC 17029:2019 and GRI.

Type of Assurance : Type 2

Date : 20<sup>th</sup> January, 2025

Web URL : [www.bmqrassurance.com](http://www.bmqrassurance.com)

Authorized Representative (Assurer):

Name : S. Elango

Designation : Associate Certified Sustainability Assurance Practitioner (AA 1000)

Certificate No : AA1000 (ACSAP) C.N: A09122401

Signature : 

