UAE I-REC Market

Backed by large-scale clean energy infrastructure and accelerating industrial demand, the UAE has emerged as the world's 4th largest I-REC demand market, strengthening its position as a leading hub for credible renewable energy claims.

Market Scale

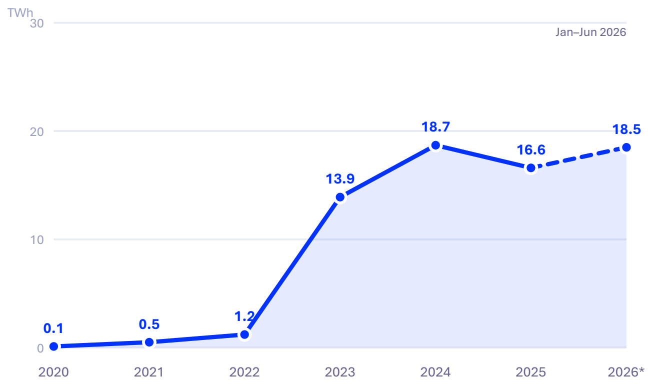
The UAE has become the Middle East's leading I-REC demand market, and one of the most significant globally. Ranked 4th worldwide for all-time I-REC redemption volume, demand has grown at a CAGR of 178% since 2022. Initially driven by energy-intensive industries, the market is now expanding as a wider range of sectors turn to I-RECs to support credible renewable energy claims.

146 TWh
I-RECs Issued (All time)

66.4 TWh
I-RECs Redeemed (All time)

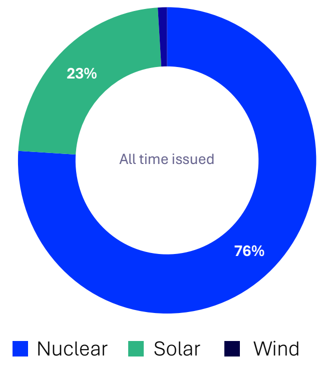
5.9 GW
Registered Capacity

Demand Growth



UAE I-REC demand has scaled rapidly, increasing more than thirteen-fold from 1.2 TWh in 2022 to a record 16.6 TWh in 2025. Momentum has remained strong in 2026, reinforcing the UAE's position as one of the region's most dynamic markets.

Technology Mix



The UAE's I-REC technology mix reflects a significant clean energy supply base, supported by large-scale generation assets and some of the world's largest solar projects.

Why This Matters

The UAE has become a strategic global I-REC market and a benchmark for the Middle East, demonstrating how energy-intensive industries can use I-RECs to substantiate credible renewable/clean energy claims, strengthen Scope 2 reporting, and support decarbonization strategies.

I-REC Global Track Record

1.4 Billion +
I-RECs Issued

1 Billion +
I-RECs Redeemed

65+
Issuing Countries

225 GW+
Registered Capacity

What's Driving I-REC Demand in the UAE?

Historically driven by oil & gas and metals, UAE I-REC demand is now broadening as new sectors enter the market with ambitious sustainability goals.

Demand Segments

Top Industries Driving Demand (All time)

Oil, gas and consumable fuels	64%
Metals and mining	21%
Chemical	2%
Hotels, restaurants and leisure	1%
Software	1%
Real estate	1%
Transportation infrastructure	1%
Diversified consumer services	1%

UAE I-REC demand remains highly concentrated in energy-intensive industries, with oil & gas and metals & mining together accounting for around 85% of total demand. However, a new wave of demand is emerging as sectors with ambitious sustainability plans begin using I-RECs to support credible renewable energy claims.

Demand Drivers

Demand Driver	Relevance
Scope 2 reporting	High
Industrial decarbonization	High
UAE Net Zero 2050	High
RE100 commitments	Emerging
Investor expectations	Emerging
Export and supply chain	Emerging

Scope 2 reporting and the decarbonization commitments of energy-intensive industries remain the core drivers of UAE I-REC demand, supported by the country's Net Zero 2050 strategy.

Demand Use-Case Insight

I-REC procurement trends in the UAE indicate that demand continues to be anchored in corporate sustainability commitments, Scope 2 voluntary reporting, and alignment with global reporting frameworks such as the GHG Protocol, SBTi, and RE100.

Purpose of Redemption

Scope 2, 99%

Other, 1%

UAE's Position in the Global I-REC Market

- 3rd largest I-REC issuer globally by volume (All time)
- 4th largest I-REC market globally by demand volume (All time)
- One of the fastest-growing established I-REC markets
- Demand is driven by energy-intensive industries

Market Evolution

2020 – Market Establishment

2022 – I-REC Issuance Scale-Up

2024 – Industrial Demand Acceleration

2026+ – Mainstream Corporate Adoption/Demand Diversification

I-RECs

I-RECs are internationally recognized certificates for tracking renewable energy attributes, enabling organizations to support renewable electricity claims under frameworks such as the GHG Protocol, RE100, CDP, and SBTi.

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Unlock reliable renewable energy procurement through I-RECs.

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