



SOUTHERN ALLIANCE MINING



MCRE RESOURCES SDN BHD

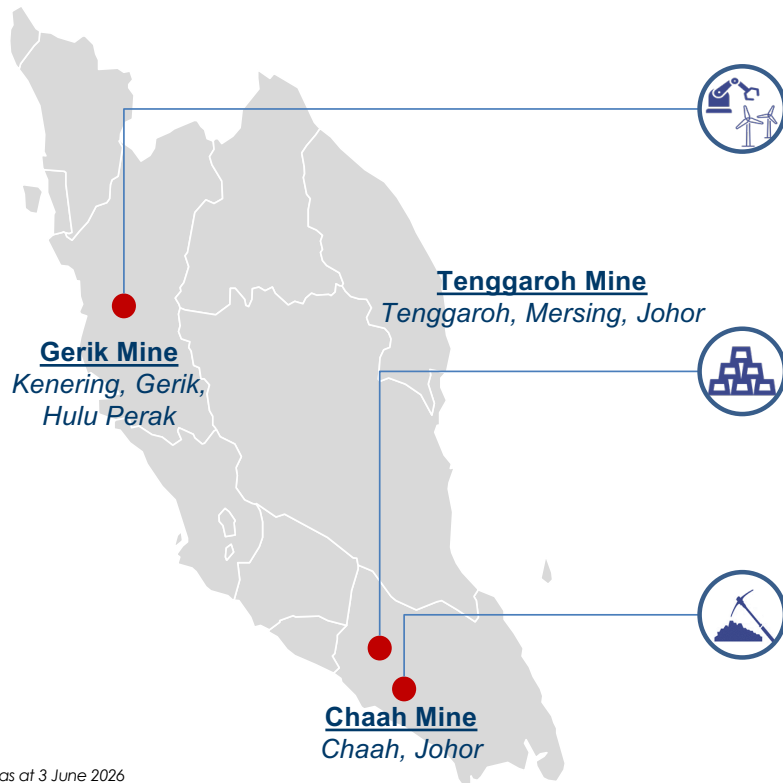
ASIAN CLEAN ENERGY FORUM (ACEF) 2026

June 2026

Company Overview



Listed on the Catalist of SGX-ST (ticker SGX: QNS) since June 2020, SAM is a diversified exploration & mining company that operates Malaysia's **first and only operational Rare Earth Element (“REE”) mine**, alongside a high-grade iron ore mining operation as well as a potential gold deposit, with a **market capitalisation of approximately S\$280.2 mn**, as at 3 June 2026



RARE EARTH (via 40%-owned MCRE Resources)

Total reserves: 84.0 Mt

First and only operational REE mine in Malaysia. Commenced production as pilot project in 2022 and currently a fully commercial mine which has recorded profit since 2023



GOLD

Commenced exploratory drilling activities and looking to expedite development to capitalise on rising gold prices



IRON ORE

Ore resources: 12.7 Mt

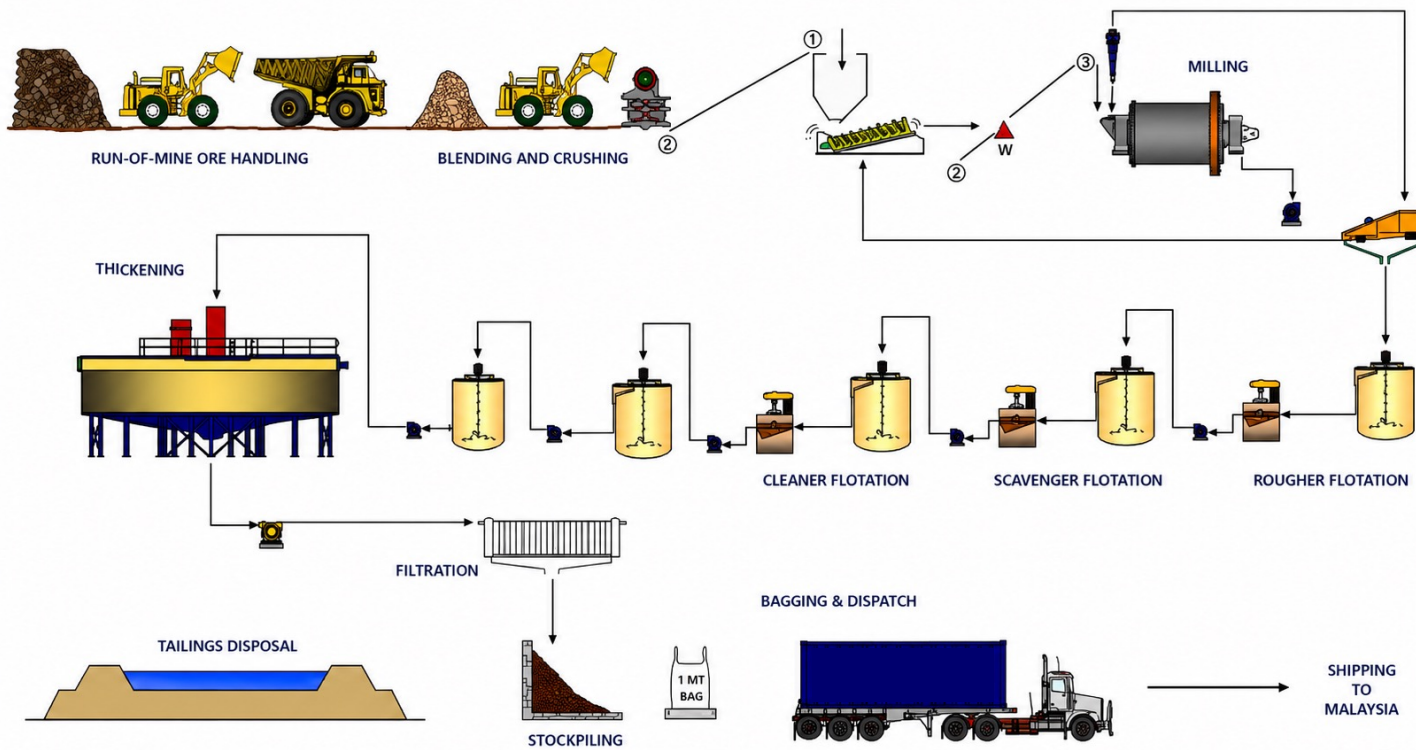
Maiden asset of SAM with over 9.4 Mt produced as of 31 July 2025. Fully transition into underground mining in September 2023

Source: SGX, as at 3 June 2026

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Mining Method Overview

Ordinary Mining Method: Open-Pit Mining

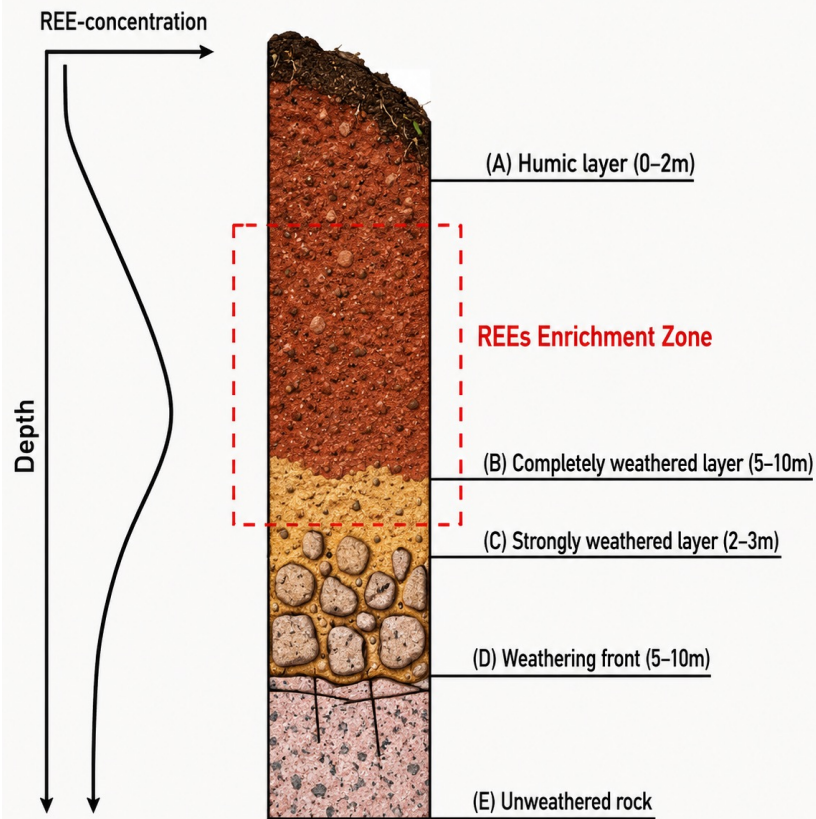


Mining Method Overview

Project Concept



Weathering Profile of REE-rich Granite



- Ionic rare earth element extraction using in-situ leaching (ISL) method
- Mine development shall include the construction of 2 processing plants and establishment of injection holes and piping system for in situ leaching
- Ore processing to produce rare earth oxide as final product
- This Project does not cover the separation and refinery processes of rare earth elements

Rare Earth Composition



Group	LREE					MREE				HREE						Total
	La ₂ O ₃	CeO ₂	Pr ₆ O ₁₁	Nd ₂ O ₃	Sm ₂ O ₃	Eu ₂ O ₃	Gd ₂ O ₃	Tb ₄ O ₇	Dy ₂ O ₃	Ho ₂ O ₃	Er ₂ O ₃	Tm ₂ O ₃	Yb ₂ O ₃	Lu ₂ O ₃	Y ₂ O ₃	
● Ionic Clay REE	21.39%	4.93%	5.70%	21.70%	4.45%	0.61%	4.22%	0.63%	3.72%	0.76%	2.18%	0.32%	1.84%	0.27%	27.28%	100.00%
● Primary Ore	23.10%	44.47%	5.05%	18.38%	2.69%	0.66%	1.55%	0.17%	0.74%	0.11%	0.22%	0.02%	0.09%	0.01%	2.74%	100.00%

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