

Sohar Aluminium (SAC)

Executive Decarbonisation Strategy & Investment Roadmap

This document is intended to outline the direction, methodology and approach for decarbonization of CO₂ emission sources incorporated within Sohar Aluminium Company operation boundaries including Power Plant, Port Operations and Primary Aluminium Smelting operations and transportation. The strategy includes all sources of CO₂ that are applicable for the scale of industry under all GHG Scopes 1, Scope 2 and Scope 3 emissions with Focus on Direct Emissions as priority. The plan is Prepared in accordance with the Aluminium Stewardship Initiative (ASI) Performance Standard requirements, the plan is aligned with the Science Based Targets initiative (SBTi) Version 2 approach while incorporating best available technologies and industry best practices.

Executive Summary

The main streams outlined as priorities follow the below considerations

- SAC is committed to achieving Net Zero by 2050 in alignment with Oman Net Zero targets.
- Electricity decarbonisation is the primary emissions reduction lever.
- A phased roadmap is adopted to balance cost, technology readiness, and operational stability.

2. Decarbonisation Roadmap

Phase	Timeline	Target	Key Focus
Phase 1	2025-2030	05–10% reduction	Efficiency projects + optimisation
Phase 2	2030-2040	10–45% reduction	Technology upgrades+ renewable
Phase 3	2040-2050	50% - Net Zero	Zero-carbon smelting + removals

3. Project Portfolio (Executive View)

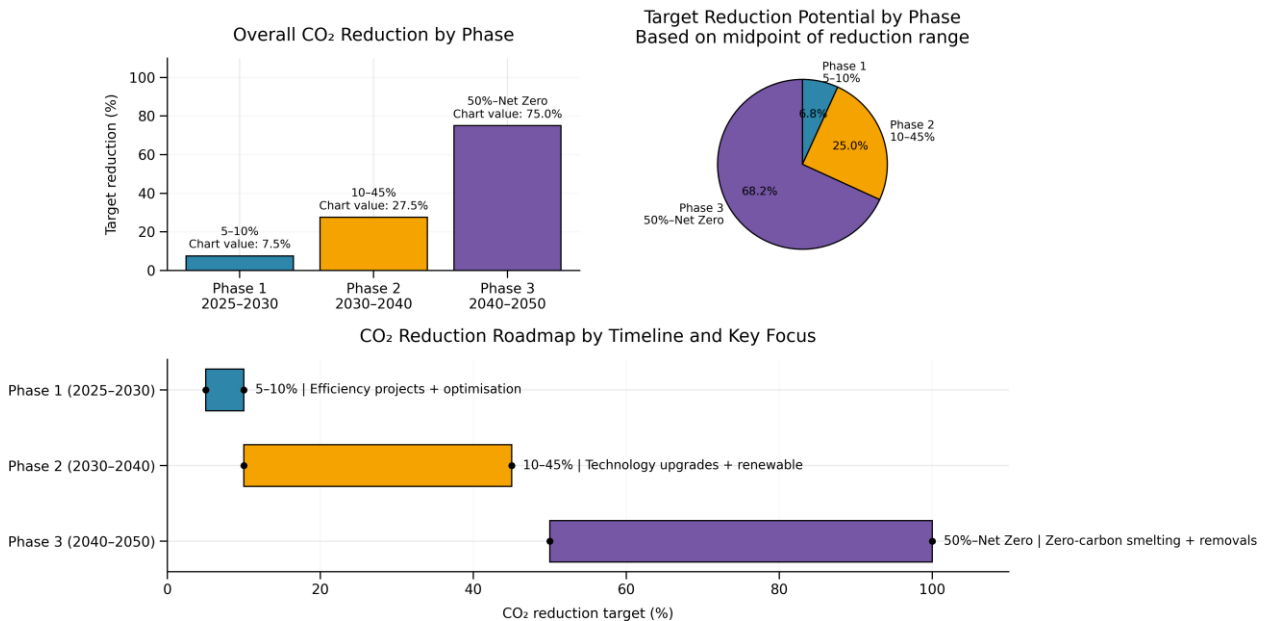
Project Category	Example Project	CO2 Impact	CAPEX Level	Priority
Energy	Renewable PPAs / I-RECs	High	Medium	High
Process	PFC reduction program	Medium	Low	High
Technology	Potline upgrade	High	High	High
Circular	Recycling expansion	Medium	Medium	Medium

4. Governance & Compliance

- Annual emissions tracking and disclosure with verification process assurance
- EXCO governance and carbon budget allocation.

Overall Layout of Decarbonisation Plans as of 2026

Decarbonisation Roadmap - Overall Reduction Chart



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