



PRESENTS

ALuminium Dross Processing:

Generation, Recovery &
Strategic Roadmap

MAY, 2026

www.alcircle.com

1.Executive summary

- 1.1.Key findings
 - 1.2.Global dross generation outlook
 - 1.3.Key opportunity areas
-

2.Introduction

- 2.1.Scope of the report
 - 2.2.Methodology and assumptions
 - 2.3.Data sources used
 - 2.4.Limitations of dross data availability
-

3.Aluminium Dross: Process and Processing Technologies

- 3.1.Aluminium dross: An overview
 - 3.2.Types of aluminium dross
 - 3.3.Aluminium Dross management models
 - 3.4.Aluminium dross/Salt slag processing
 - 3.5.Developments in reducing dross generation
-

4.Commercial Applications of Recovered Dross and Residues

- 4.1.Aluminium oxide-rich dross/residues
 - 4.2.Use in cement and construction materials
 - 4.3.Use in refractories and ceramics
 - 4.4.Use in fluxes and other industrial applications
 - 4.5.Limitations and quality concerns
 - 4.6.Commercial potential by application
-

5.Aluminium dross generation & Forecast (2026-2036)

- 5.1.Primary sector
 - 5.2.Recycled sector
 - 5.3.Downstream sector
 - 5.4.Dross recovery by end-use sector
 - 5.5.Aluminium Metal Extraction from Recovered Dross
-

6. Aluminium Dross Recycling: A Global Perspective, 2024 - 2025 (in million tonnes)

- 6.1. World aluminium industry
 - 6.2. World aluminium dross generation, recovery and recycling
 - 6.2.1. North America
 - 6.2.2. South America
 - 6.2.3. Europe
 - 6.2.4. China
 - 6.2.5. Middle-east & Africa
 - 6.2.6. Rest of Asia Pacific
-

7. Trade dynamics

- 7.1. Aluminium dross, ash and residue trade, 2020-2025
 - 7.1.1. Key exporting regions
 - 7.1.2. Key importing regions
 - 7.2. Trade flow shifts
 - 7.3. Dross processing in the secondary aluminium sector project case
-

8. Efficient dross recovery and utilisation technologies

- 8.1. Mechanical separation
 - 8.2. Rotary furnace processing
 - 8.3. Dross press technology
 - 8.4. Salt slag processing
 - 8.5. Plasma and advanced thermal treatment
 - 8.6. Zero-waste and low-waste recovery approaches
 - 8.7. Comparative technology matrix Technology
-

9. Competitive and Supplier Landscape

- 9.1. Selected global dross recyclers
 - 9.2. Selected salt slag processors
 - 9.3. Selected dross processing technology, suppliers
 - 9.4. Selected furnace and material handling equipment suppliers
 - 9.5. Recent developments, expansions and partnerships
-

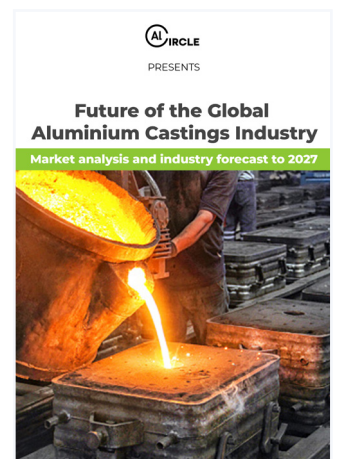
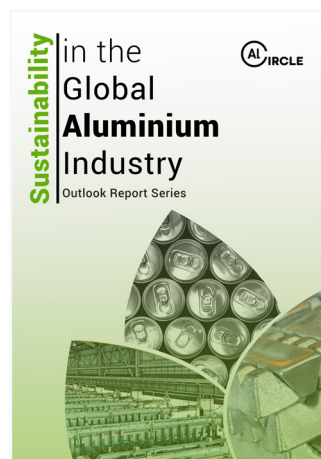
10. Environmental, Social and Governance, Regulation and Circular Economy Drivers

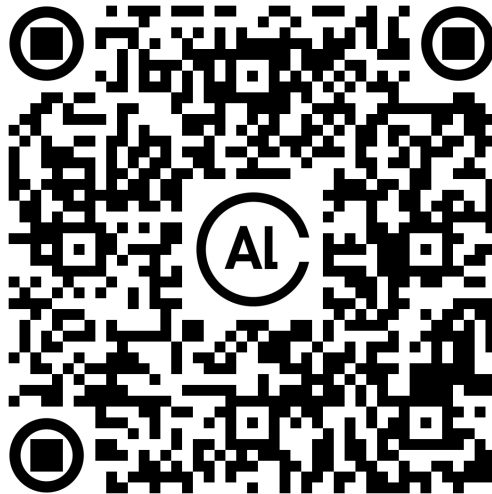
- 10.1. Environmental concerns around aluminium dross
 - 10.2. Salt slag and landfill-related issues
 - 10.3. Circular economy relevance
 - 10.4. Waste reduction and resource recovery
 - 10.5. ESG benefits for aluminium producers
 - 10.6. Regulatory pressure from major regions
-

11. Conclusion

- 12. Strategic takeaways
 - 13. Strategic roadmap for industry stakeholders
-

More from AL Circle Reports





AL CIRCLE PRIVATE LIMITED

Email: info@alcircle.com | **Ph:** +91 33 4002 9300 | **Fax:** +91 33 4002 9310
Web: www.alcircle.com