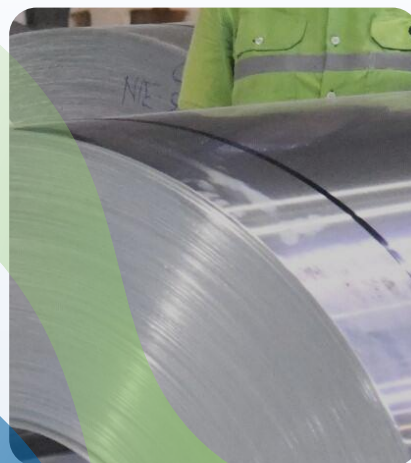
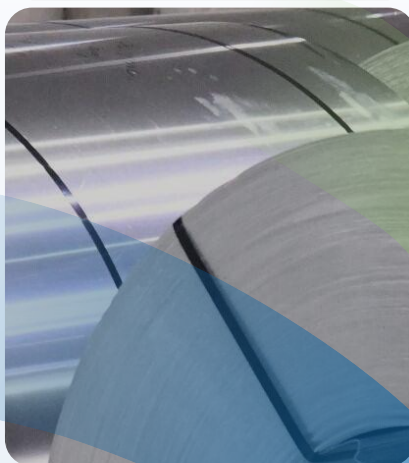
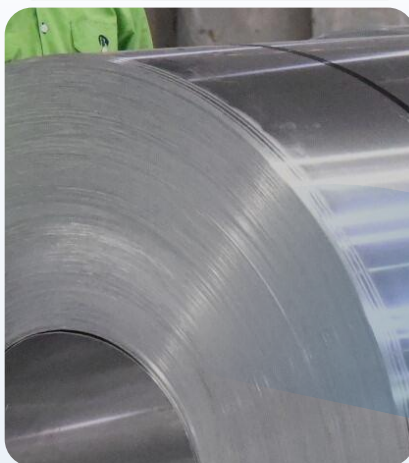
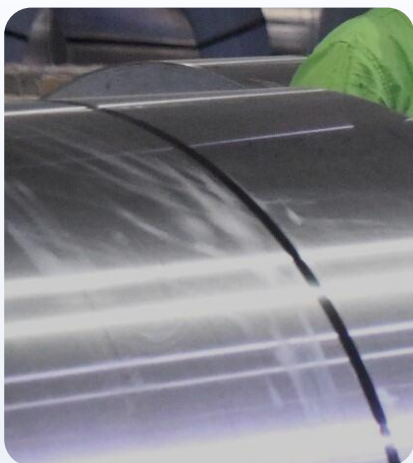


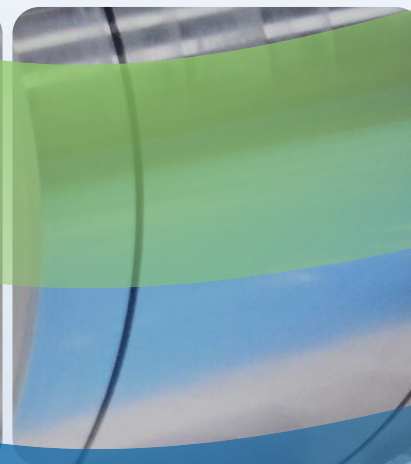
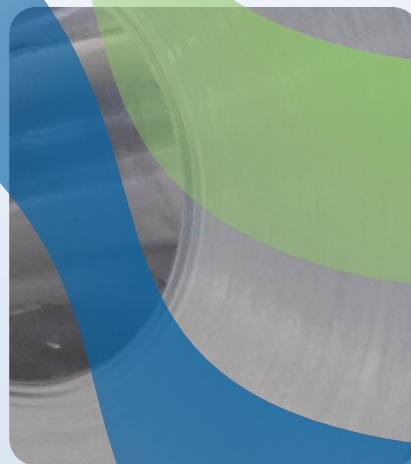
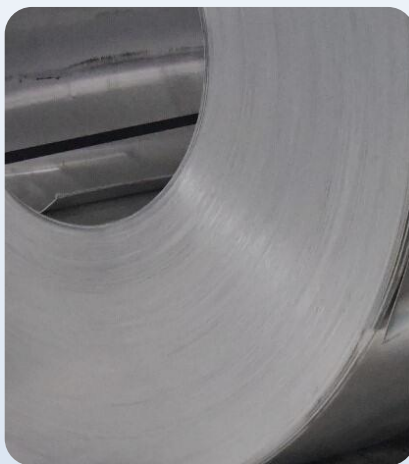


aluminium



Investors' Meet

December 2025



Presentation Flow



Introduction

1



ESG

2



Aluminium: The Metal of the Future

3



Vedanta: Competitive Edge in a Growing Market

4



Process Overview

5



Enablers

6



Key Messages

7



Q&A

8

Core Purpose



"To create a leading global natural resource company"

Vedanta is a globally diversified natural resources company with low-cost operations. We empower our people to drive excellence and innovation to create value for our stakeholders. We demonstrate world class standards of governance, safety, sustainability and social responsibility.

OUR VALUES



Safety



Care



Trust



Integrity



Respect



Entrepreneurship



Innovation



Excellence

Our commitment & path to sustainability excellence



ESG Credentials



ASI Certified Smelters
ASI Chain of Custody



Corporate Sustainability Assessment
Vedanta Aluminium¹
Achieved 2nd Rank in FY25



Restora
Low-Carbon Aluminium



RestoraULTRA

India's first **Low Carbon** Aluminium



Climate

8.96% GHG reduction | In-house projects & RE



Community

+55k family empowered



People

19% Diversity



Waste Management

More than 100% Fly ash utilization



Energy

Agreements in place for 1335 MW RE Capacity.



Water

Recycled 16.79 Mn m³ | Restored 64 Water ponds

1. In Aluminium Peer Group



01



Aluminium

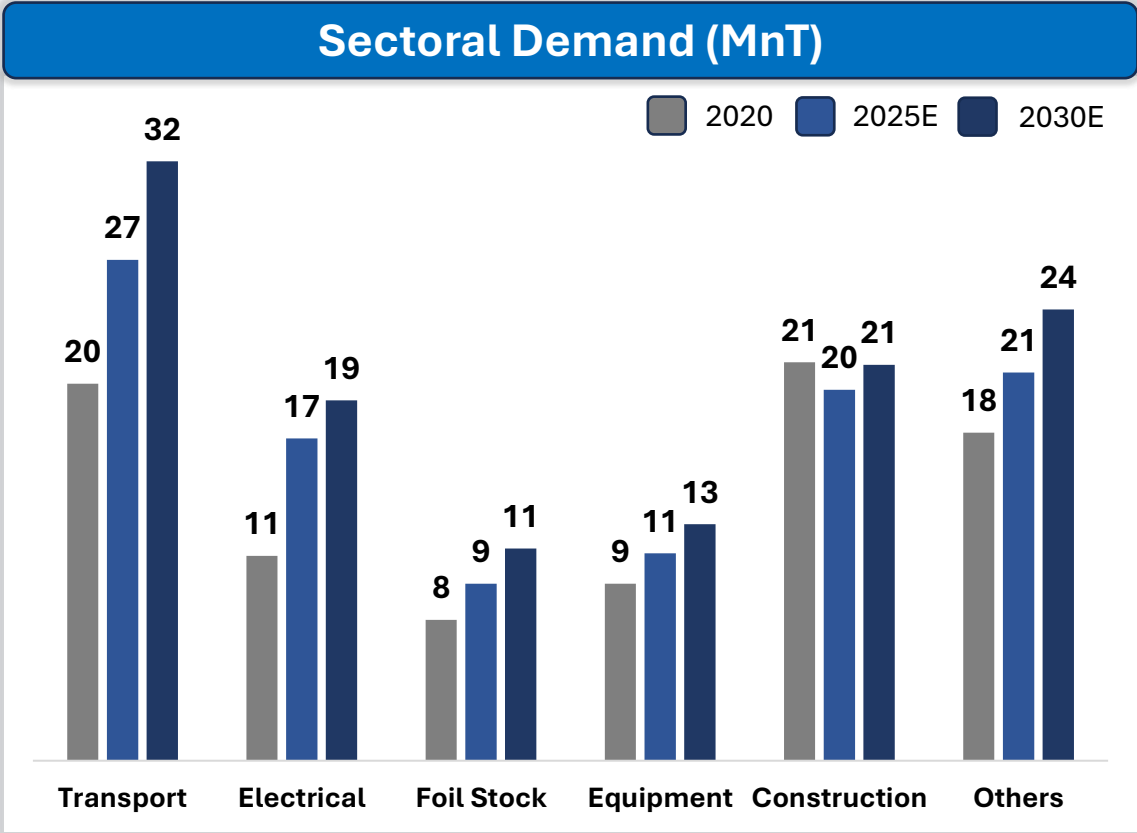
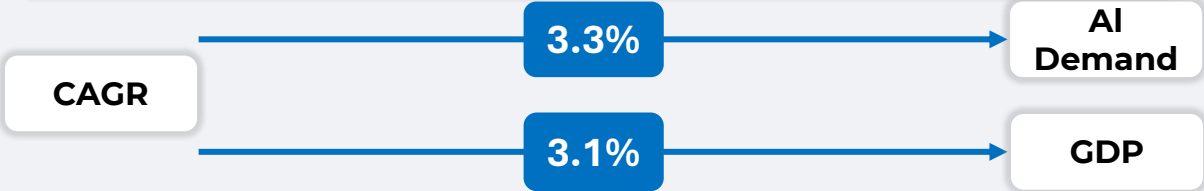
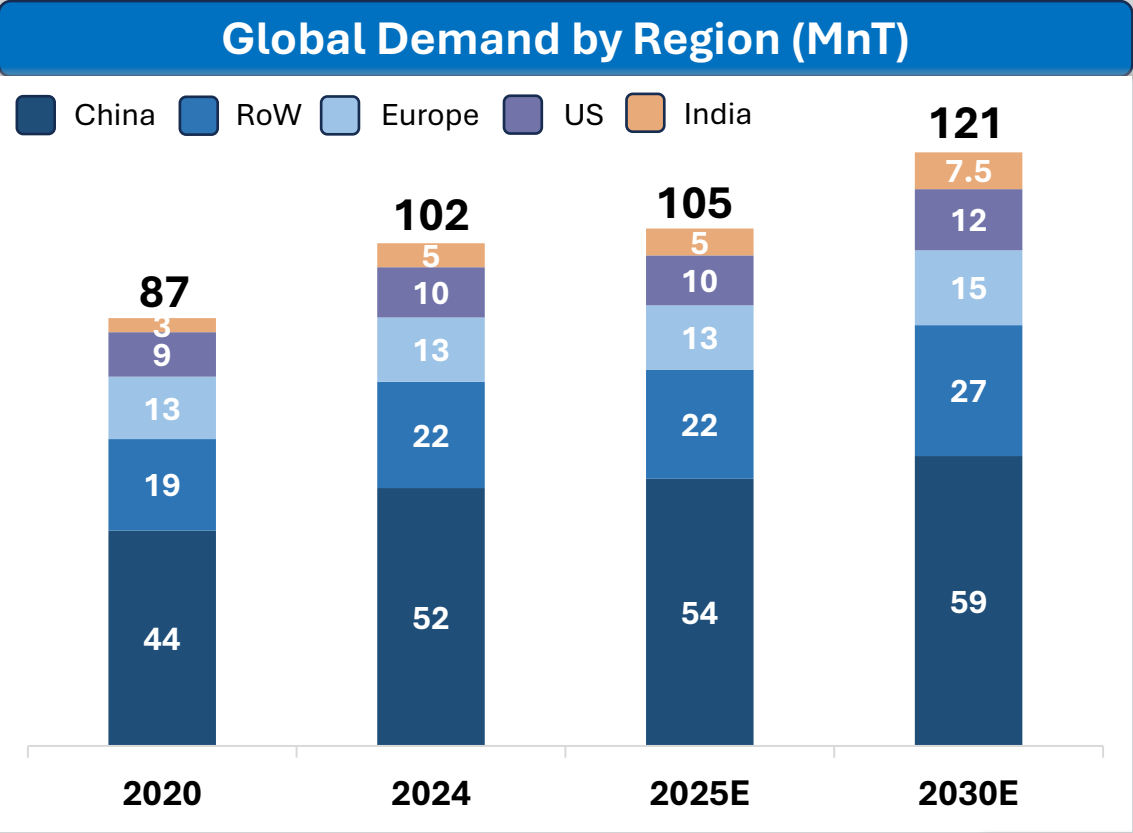
The Metal of the Future



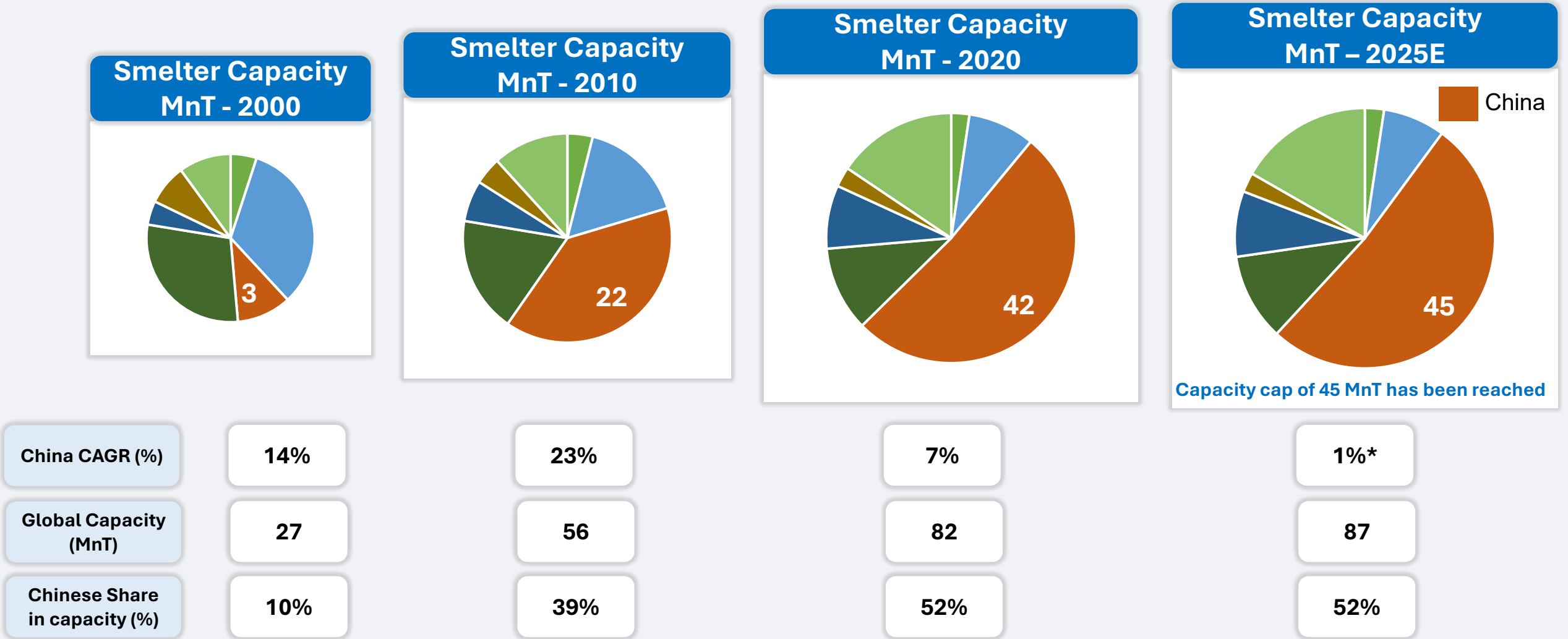
Key Advantages of Aluminium



High-growth segments propel Aluminium demand ahead of global GDP

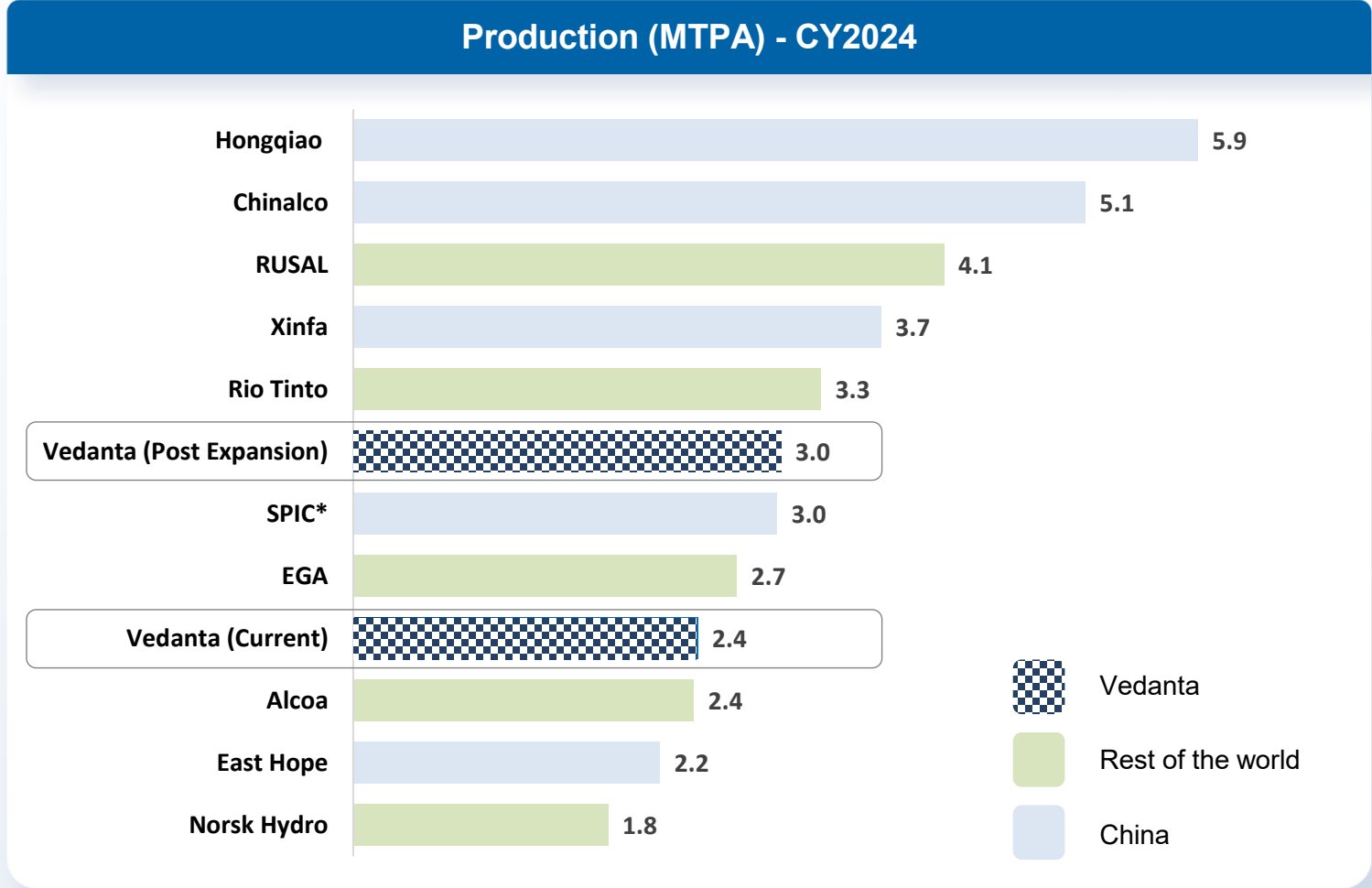


Capacity limit in China to restrict supply growth and support price strength



*Between CY20 & CY25 Source: CRU

Vedanta among Global Aluminium Leaders



Currently, at aggregate levels, Vedanta Aluminium is placed **8th** in the world



Ex-China, placed at **4th**



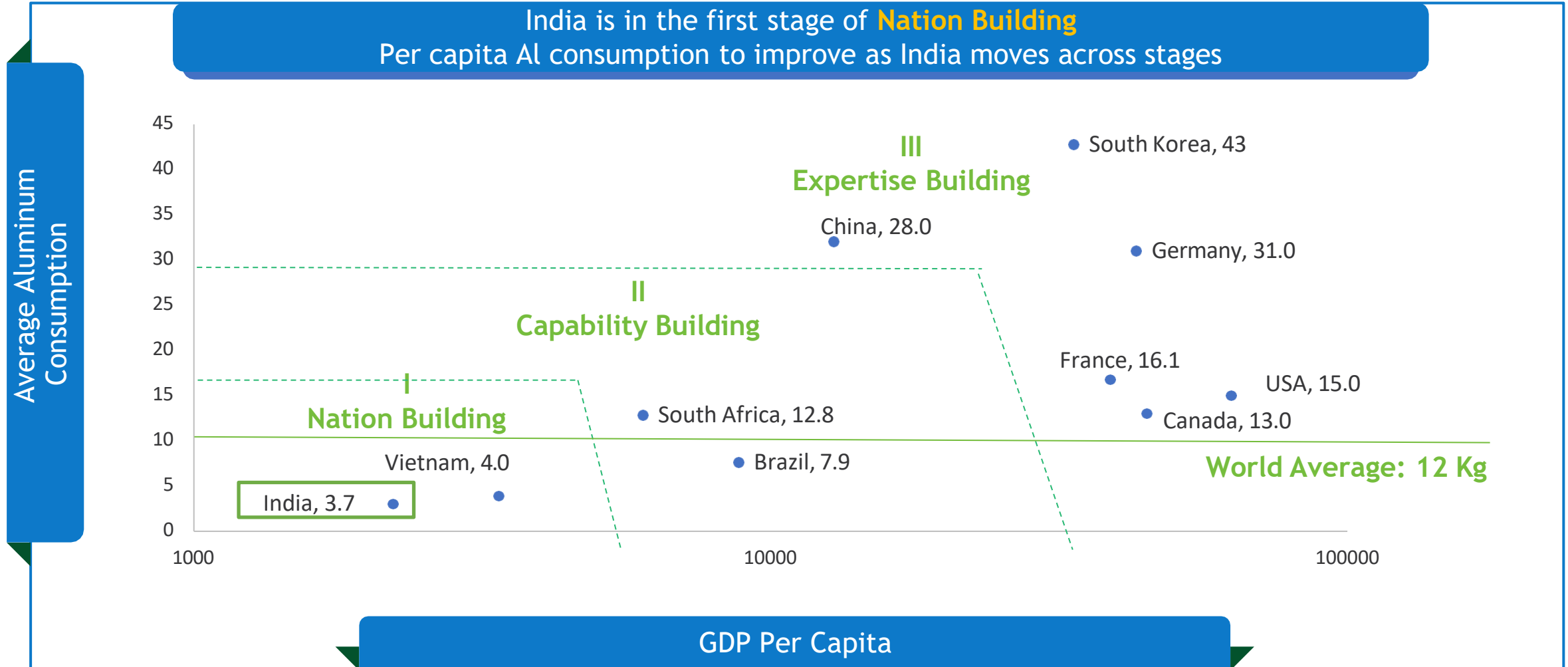
Post expansion to 3 MTPA, Vedanta Aluminium will rise up to **6th** in the world



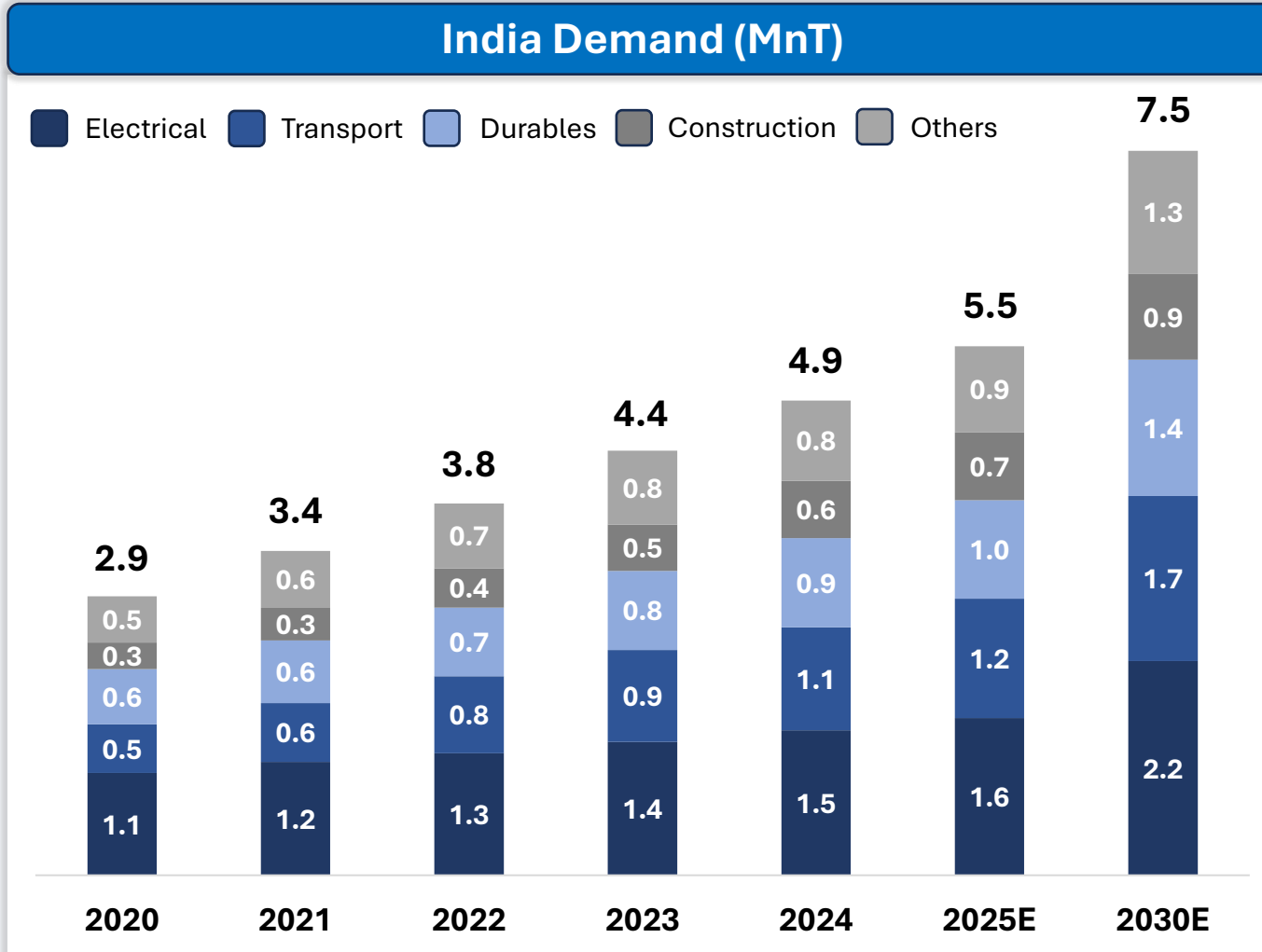
Ex-China, will be placed at **3rd**

Significant upside potential for domestic demand growth

Per capita demand for India is currently at 3.7 Kg vs World average of 12 Kgs



Rapid Domestic Demand Growth creating a significant Market Opportunity



Emerging Aluminium Demand

- Demand has almost doubled in the last 5 years
- Consumption is projected to grow by ~2 MnT by CY30
 - >50% driven by **Electrical** (Renewables, Transmission Projects) & **Transport** (Lightweighting, EVs) segments
- Primary Aluminium Capacity currently at **4.2 MTPA**, expanding to **5.9 MTPA**, vs overall demand of **7.5 MTPA** by CY30

02



Vedanta Aluminium



Irreplicable and Unparalleled Assets

5 coal and 1 bauxite mines within 100kms of our plants



A Fully Integrated Vision: Strengthening our value chain End-to-End

Aluminium Production



Aluminium Smelters

Jharsuguda 1.85 → 2.0 MTPA
BALCO - 0.59 → 1.0 MTPA

Backward Integration (Alumina)



Alumina Refinery (100% Captive Alumina)

Lanjigarh
5 → 6 MTPA

Forward Integration



Value Added Products

71 → 90+%

Backward Integration (Coal & Bauxite)

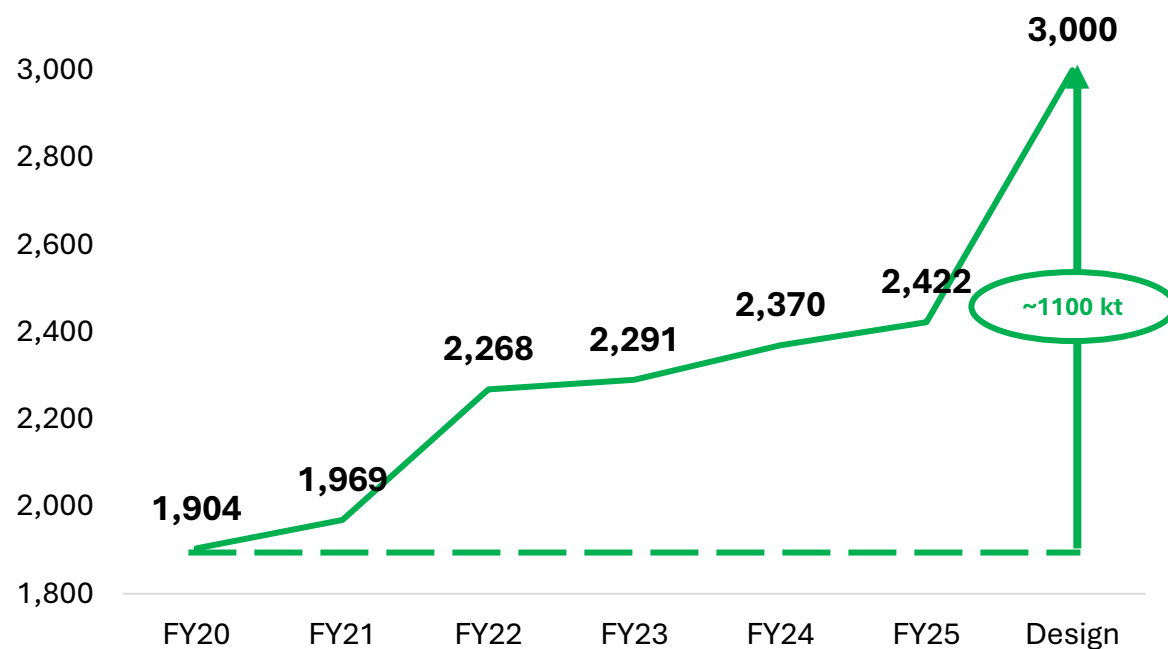


Mines

5 Coal Blocks & 1 Bauxite Block
Coal: 2.6 → 40+ MTPA
Bauxite: 9 MTPA

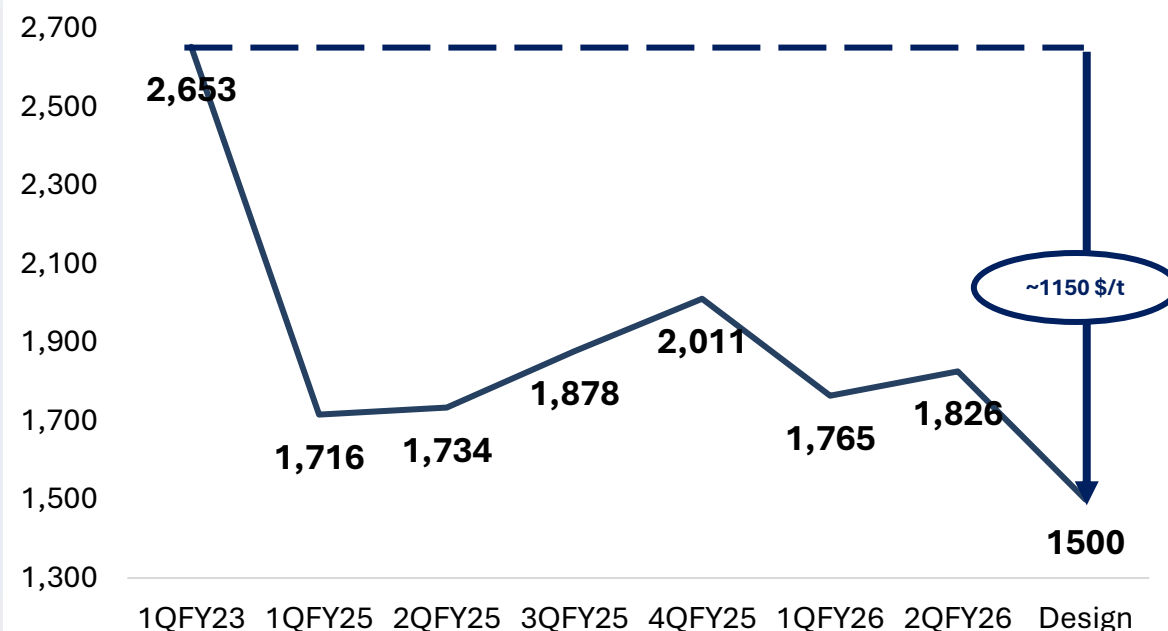
Demonstrated track record of **Operational Excellence** in Volume and Cost

Production Volume (in KT)



▲ **24%** Projected Growth vs FY25

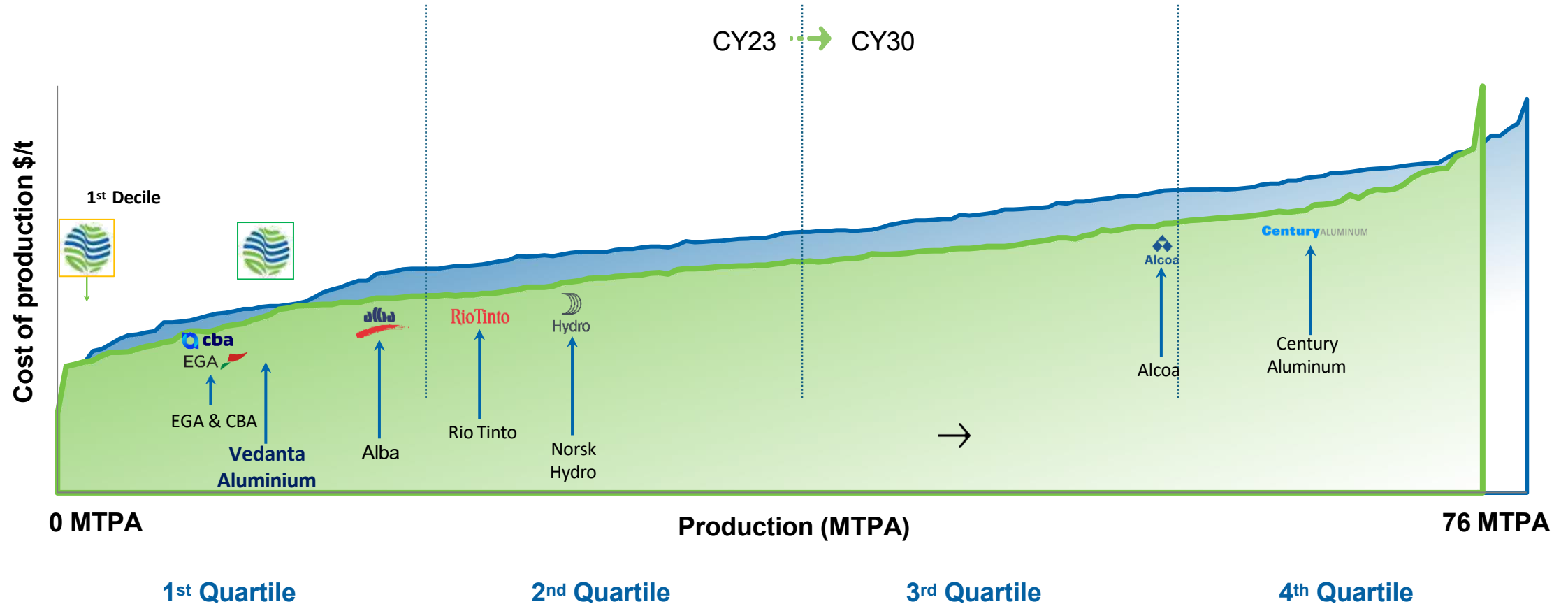
Cost of Production (in \$/T)



▼ **18%** Projected reduction vs Q2FY26

Improving from low-cost producer to Industry Leader

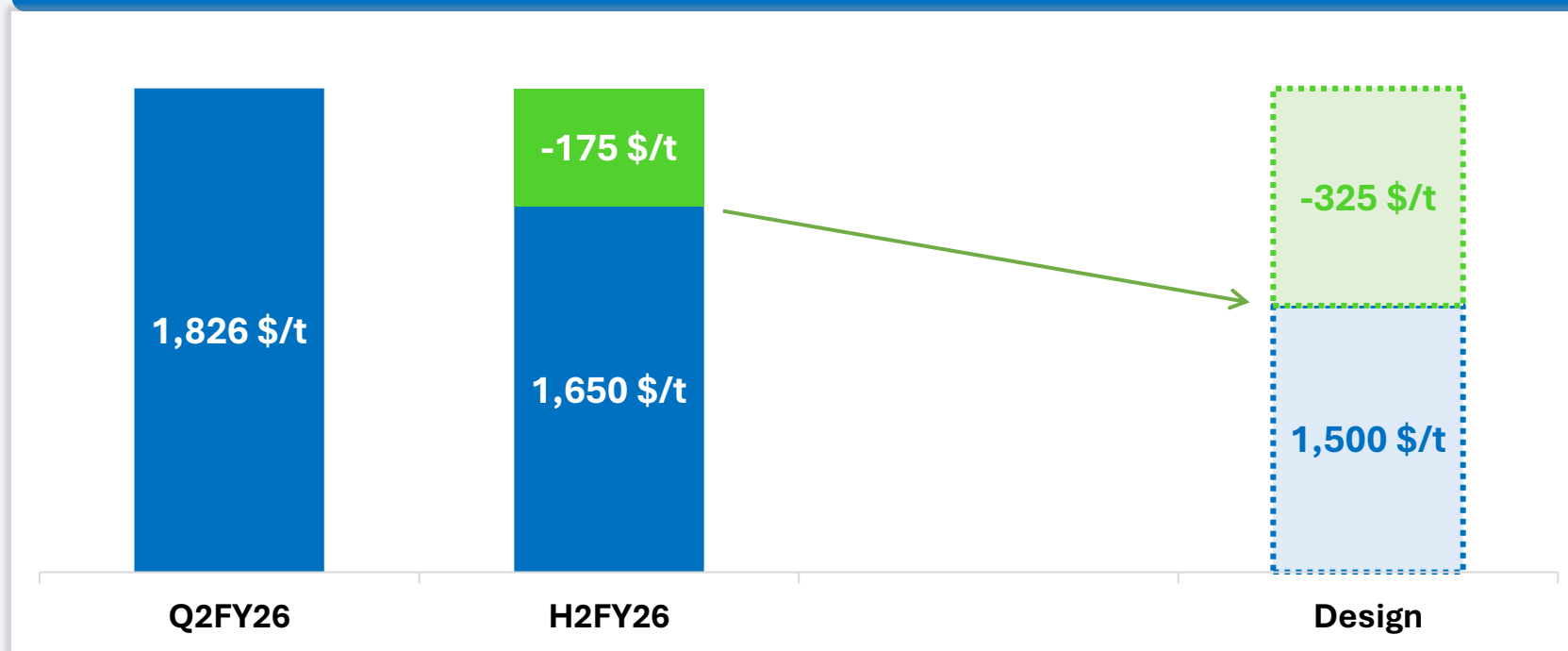
Already a Low-Cost producer, in the first quartile



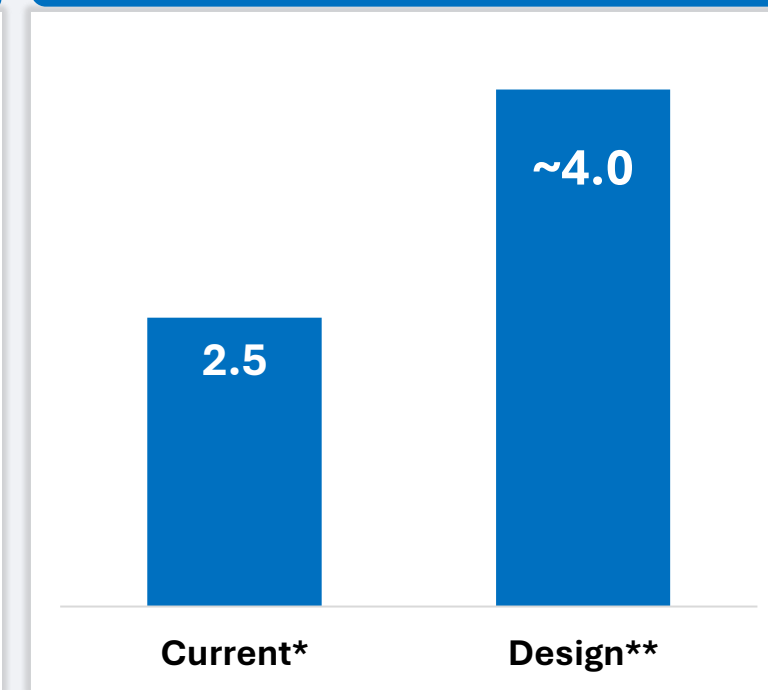
Reducing Cost Volatility through Strategic Integration

Hot Metal CoP Cumulative Reduction

Structural Cost Reduction



EBITDA (Bn\$)



Transformational EBITDA expansion through integration!

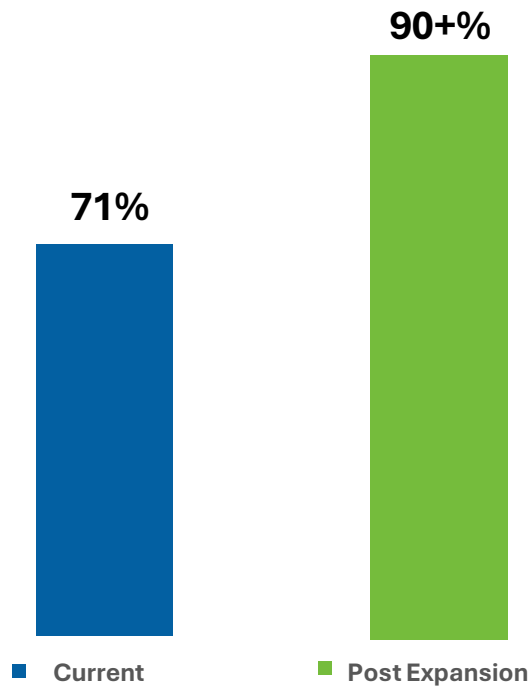
1. LNJ ramp up to 4 MTPA
2. Softened Alumina Market
3. Power Ops post OH

1. 5 MTPA ramp up at LNJ
2. VAP Projects completion
3. Sijimali & Kuraloi

1. BALCO at 1+ MTPA RR
2. SJM at 9 MTPA RR
3. Ghogharpalli

Adding **VAP** capacities to cater the demand

Value Added Product Mix





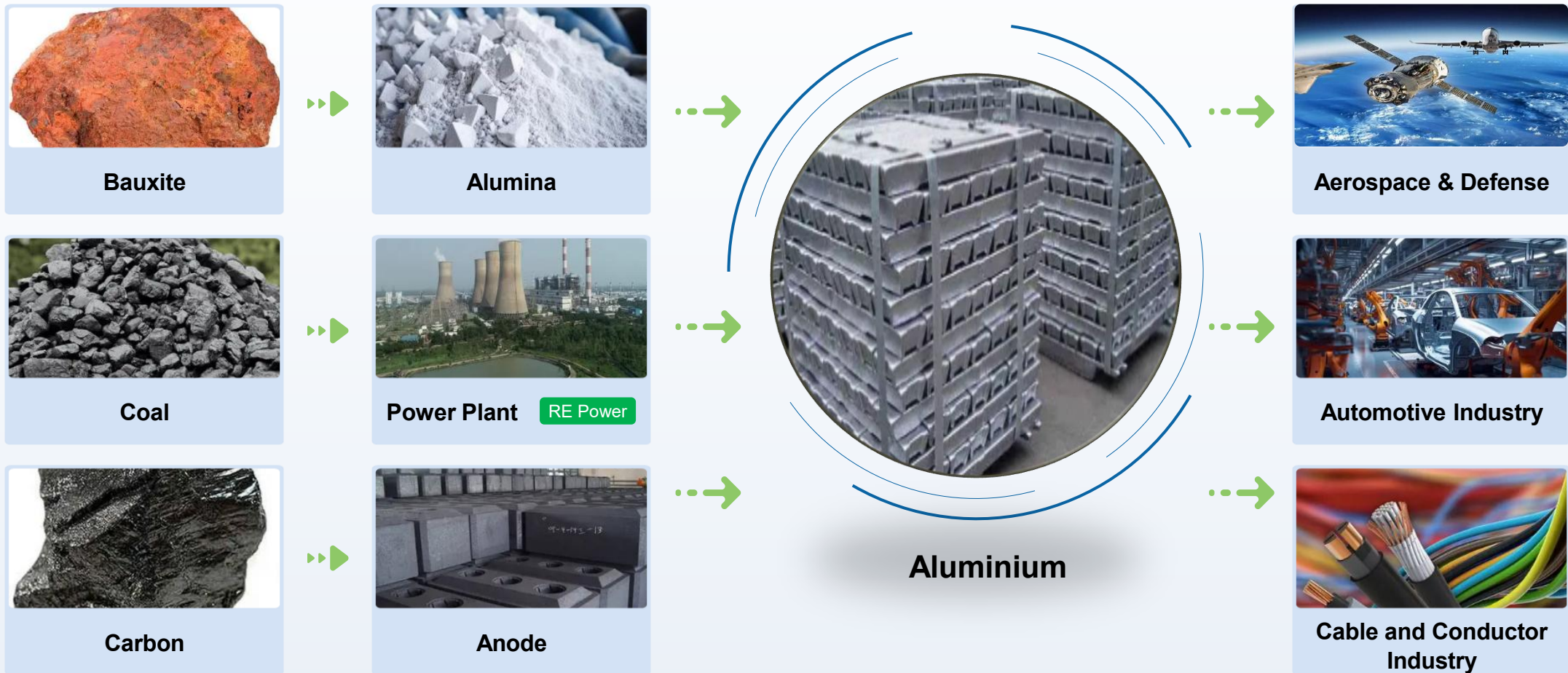
03



Process Overview



Industry Value Chain: From Earth to Sky





04

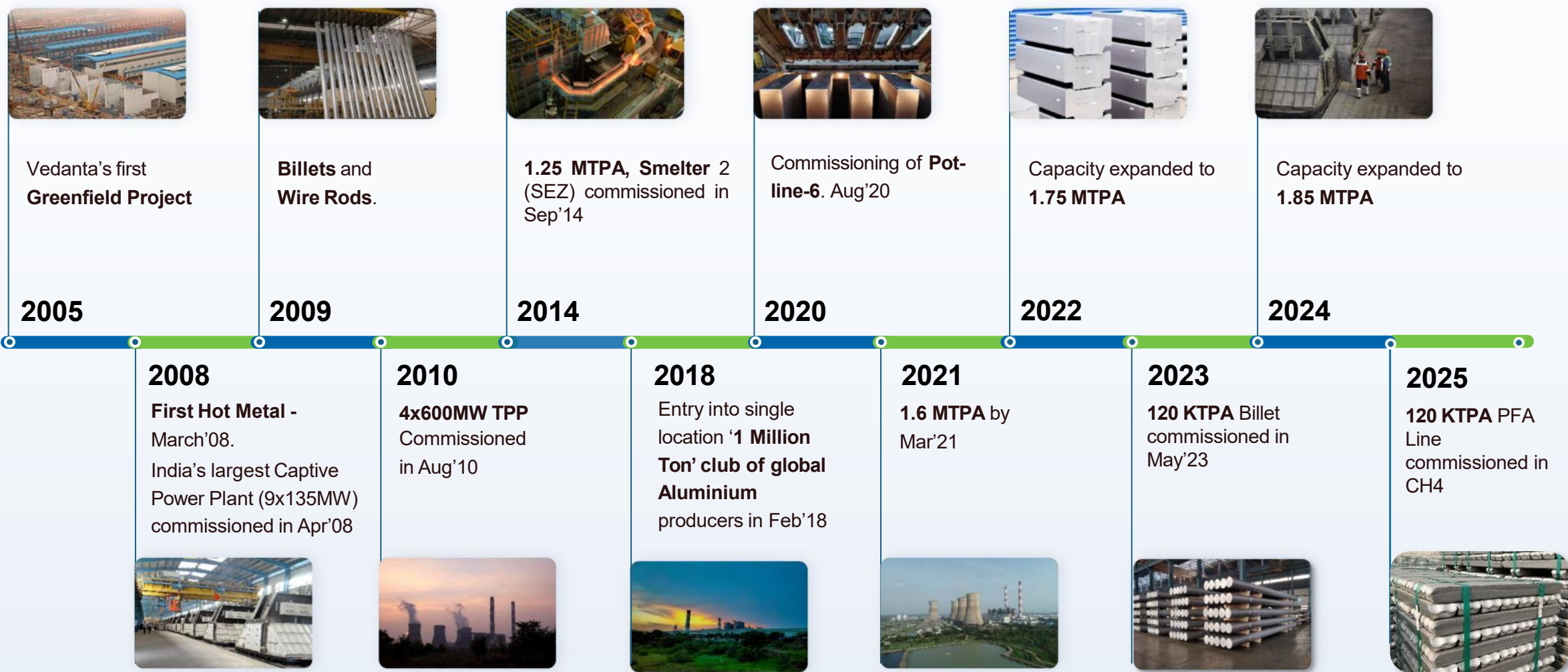


Vedanta Jharsuguda

World's Largest Smelter



Our Journey: A Legacy of Excellence



Innovating Today, Powering Tomorrow – Highlights

1st in Asia and 2nd in World to get
Energy Management Certification

60+
countries
cliente base

India's first producer of
Low Carbon Green Aluminium
Restora
Low-Carbon Aluminium

India's first all women
run Potline Operations



Largest Captive Powerplant
in India 3015MW

**World's largest Wire rod &
Billet Producer** (Ex-China)

First Primary smelter in India
to supply **80KT** Hot metal to
Downstream industries

Strategically located, globally connected – Vedanta, Jharsuguda



Proximity to coal mines and Water resource

- Major Coal beds in Orissa - coal fields are around 50 kms radius
- 24% share of the coal deposits in India (75 bt out of 300 bt)
- Water from Hirakud Reservoir.



Well-connected by road, rail, airport & proximity to Ports (400 ~ 700 km)

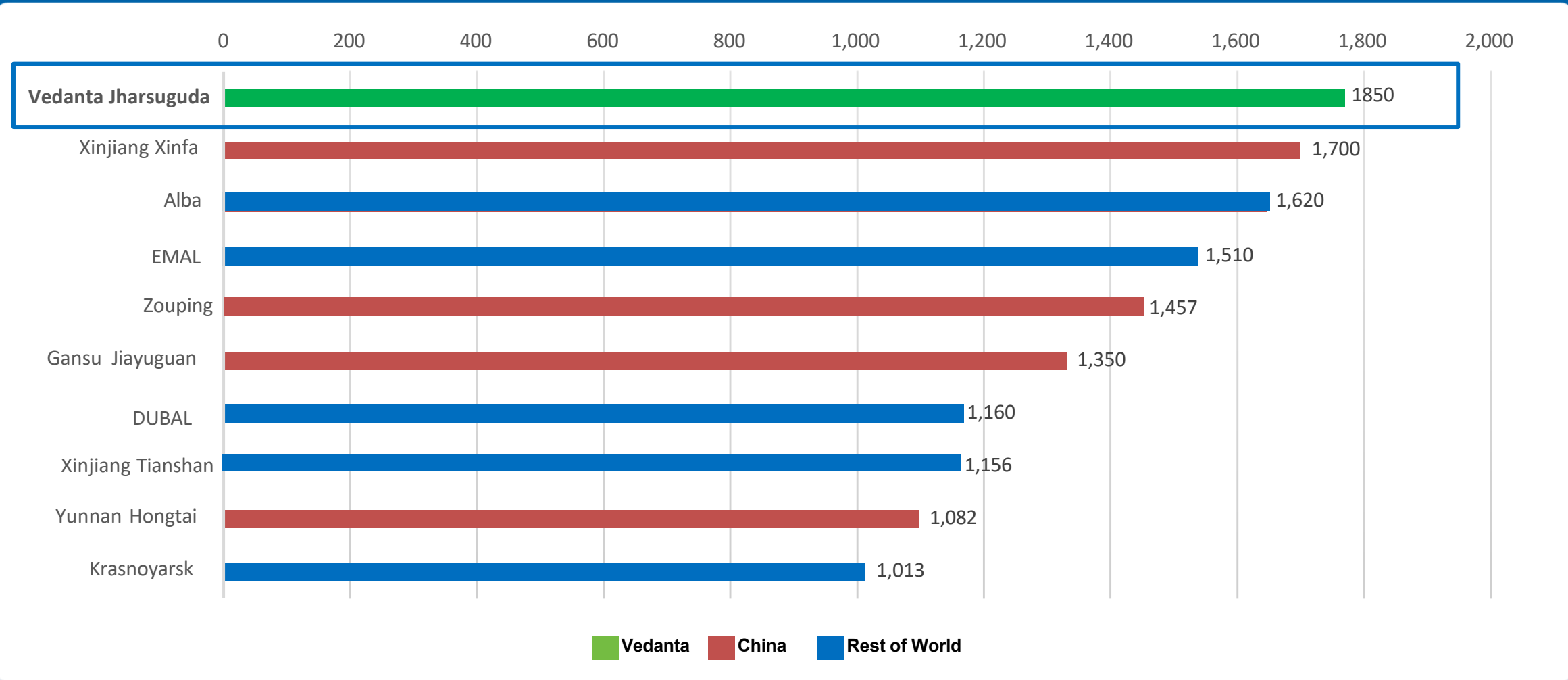
- Paradip Port – 400 Km
- Haldia Port – 540 Km
- Vizag port – 620 Km [**Captive – VGCB***]
- Kakinada Port – 750 Km
- Gangavaram Port - 670 Km



Proximity to Captive Alumina Source of Lanjigarh Refinery

- 2MTPA increasing to 6MTPA

Largest Smelter in the World



Jharsuguda Smelter : Benchmarking Global Standards



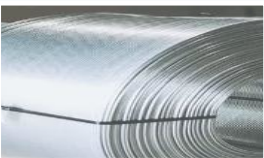
POTLINE

- Operating on advanced **GAMI Prebake technology**
- Robust **6-potline** configuration with **1,930 pots**
- Design Pot Amperage of **335.3 KA** currently running at **104% of design**
- Design Capacity of **1771 KTPA** currently operating at **105% of design**



CARBON

- Operating with GAP of 5 Paste Plants (Outotec GMBH, Germany), 10 baking furnaces and 3 anode rodding plants.
- Global Benchmarks: GAP Running **Availability of 97%** (112% of design) & CRR of 96%
- GAP Throughput surpassed TPH Design by running at **106% of design**



Wire Rod- 420 KT



Billet- 830 KT



Alloys- 230 KT



Ingot- 900 KT



Hot Metal- 100 KT

India's Largest Captive Power Plant



3615MW

TPP 2400MW (600 MW * 4 Units)

CPP 1215 MW (135 MW * 9 Units)



Coal Source: Mahanadi Coal Fields
Captive mine - Jamkhani



Water source:
Hirakud Reservoir



Hybrid ESP with SPM level
< 50 mg/Nm³



3,615 MW

**EPC
Contractor**

**Plant
Capacity**

**Turbine
Manufacturers**

**O&M
Partners**



**CPP
1215 MW**

**TPP
2400 MW**



ISO 9001, 14001, 50001,
55001 & OHSAS 18001



05



BALCO

India's Iconic Aluminum
Producer



BALCO Journey – Since Inception



Inception of India's
1st iconic
Aluminium
producer

1965



Properzi (Wire
rod) unit
commissioned.

1976



51% BALCO
disinvested to
Sterlite Ltd

2001



Commissioning of
Smelter plant GAMI
Technology Hall
Heroult Process

2005



First alloy ingot
production of 10 kg

2014



Installation of PFA-
10 kg Ingot for
automobile industry

2018



Foundation stone of
expansion of smelter
plant capacity from 5.7
LTPA to 10 LTPA

2022

1975

1st Phase of
smelter with
Soderberg
technology



1976

1st export dispatch
of "BHARATAL"
ingots from Korba
to JAPAN



2002

Smelter plant
capacity tripled
from 1 LTPA to
3.34 LTPA

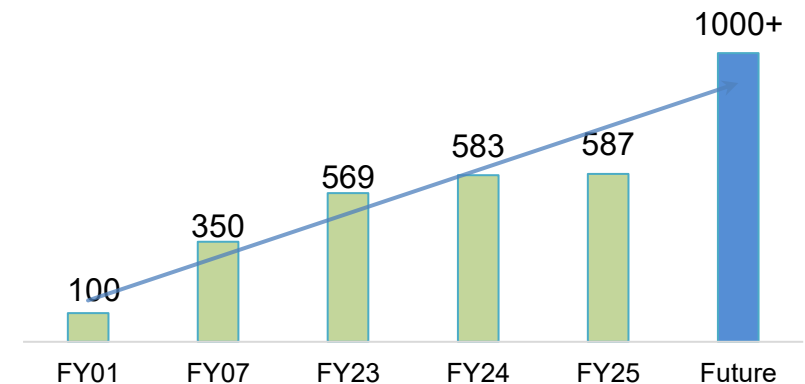


2010

Smelter plant
capacity expanded
from 3.34 LTPA to
5.7 LTPA



Metal Production (KTPA)





06

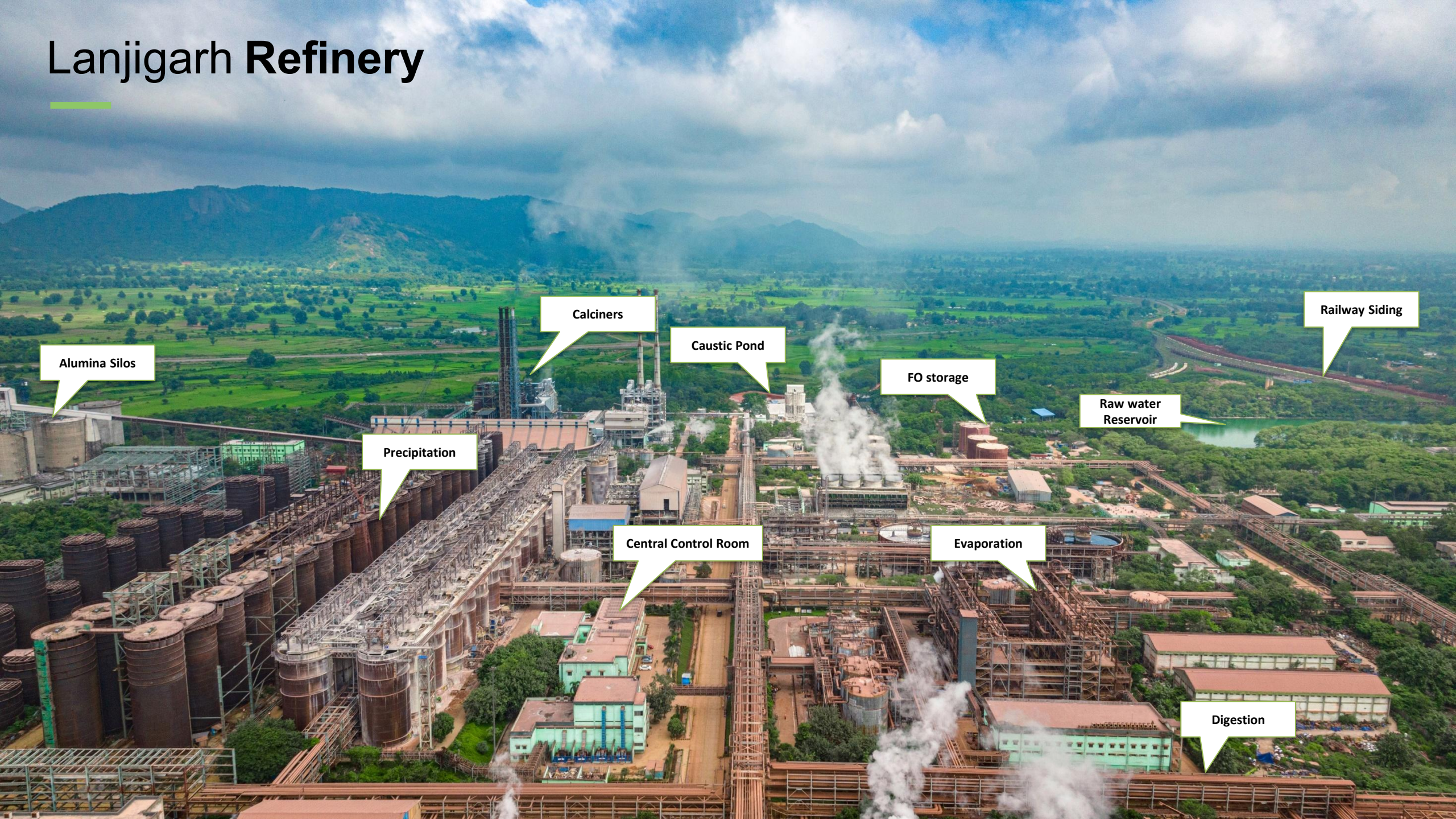


Vedanta Lanjigarh

God's Own Factory



Lanjigarh Refinery



Alumina Silos

Calciners

Caustic Pond

FO storage

Railway Siding

Raw water
Reservoir

Precipitation

Central Control Room

Evaporation

Digestion

Lanjigarh Overview



Reaching out to
>1.8 lakh people
across **92 villages**
near Lanjigarh



46% to 59.22% (in 10
yrs) Literacy Rate in
Kalahandi

Per Capita Income in
Kalahandi increased
from **19,000** in 2003
to **1,50,000** in 2024



1.2 Lakh benefitted
from healthcare
initiatives

2.82 Lakh cubic meters
of recharge potential for
sustainable water
conservation



150+ artisans
engaged in Dhokra
craft and Saura

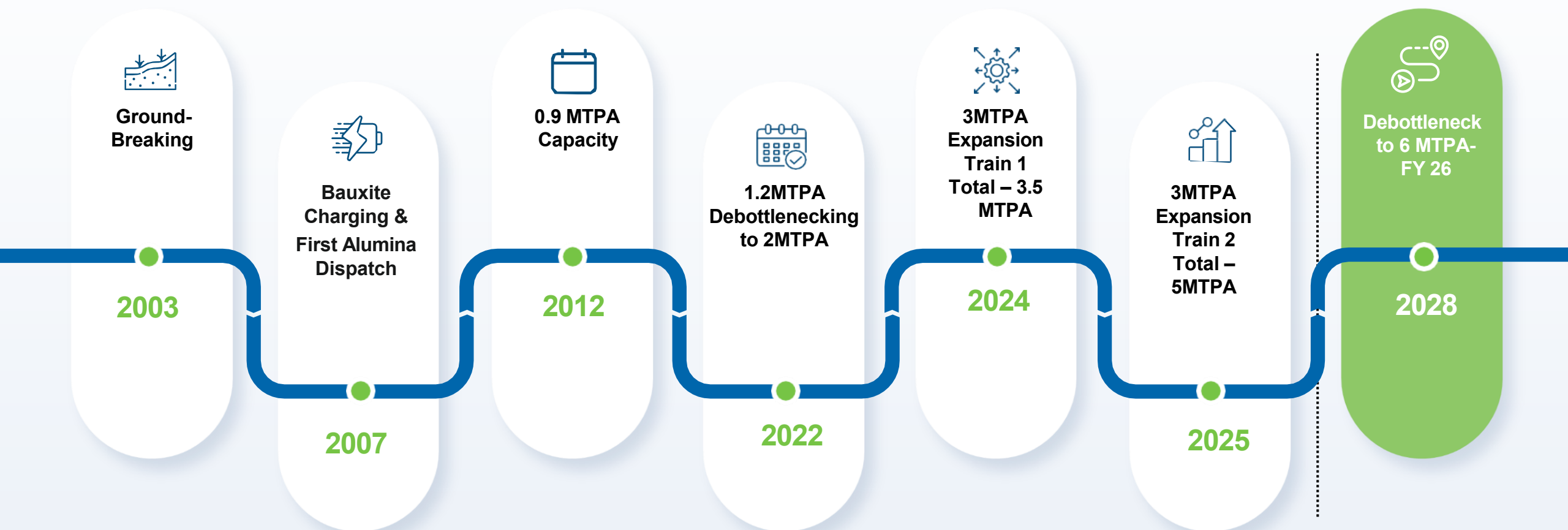
5000+ women
empowered under
Sakhi Project



1400+ Students
receive quality
education at DAV
Vedanta Int. School

50+ National & state
level representation
of local youth

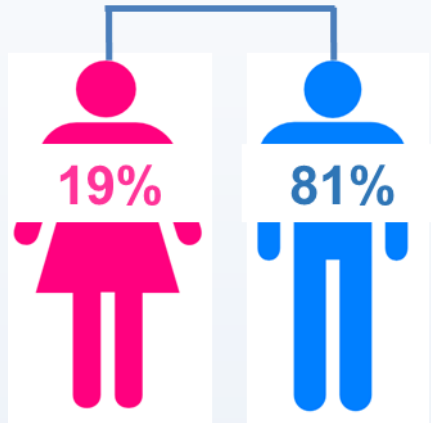
Growth Journey of Alumina Refinery Lanjigarh



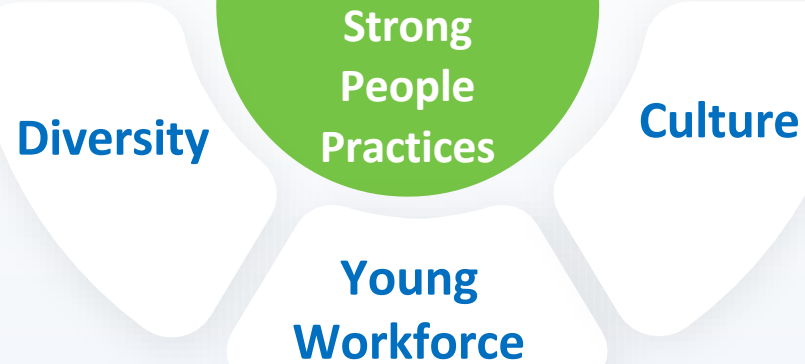
People



Workforce diversity at an overall level stands at **19%** with an aim to increase it to **30%**. Diversity extending to **LGBTQIA+**.



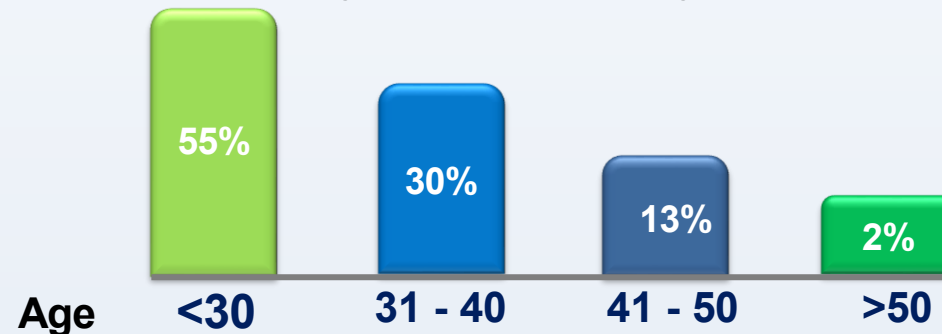
1st Company in Odisha to deploy **Women** in all **3 Shifts**.
One Potline being operated by **All Women** regular employees.



Recognitions for Industry-leading people practices, culture, leadership development initiatives and foremost, the focus on wellbeing



Young workforce by **hiring** only from **Tier-I** institutions with an average age of workforce at **28yrs**



CSR Footprints | Aluminum Sector

We, at Vedanta are committed to Nurturing & Empowering the Community in transforming their lives through Sustainable & inclusive growth

3 States | 10 Districts | 300 villages | 7 lakh Population

Empowering Youth

- **13000+ Youth Skilled** in 8 trades –
- 300+ Youth trained in Football, Archery & Karate.

Health & Sanitation

- 7,00,000+ beneficiaries reach
- 10 MHU van & 2 Mortuary Van
- 5 State of Art Medical facilities

Community Infrastructure

- Create a hub of superior infrastructure
- Over 900+ infrastructure initiatives - Community Centre, Roads, Solar lights



Women Empowerment

- Empowering 16000+ Women &
- 6500 women engaged in micro enterprises

Quality Education

- 840+ NandGhar - 8500 women & 25,000 children
- 36000+ children benefitted
- Digital Education across district

Sustainable Livelihood:

- **6300 +** Farmers benefitted &
- 3000 acres secured under irrigation
- **2 Mn Cum** of water storage capacity enhanced



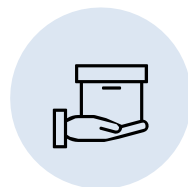
Key Messages



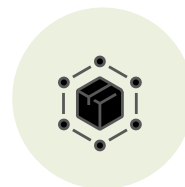
Robust demand for the **Metal of the Future** supported by structural growth across **EV, RE, Transmission, Aerospace, and Defense** segments



Home ground advantage in **India**, with **market** expected to **grow** to **1.4x in 5 years**



Local, vertically-integrated supply chain enabling **industry-leading costs**



Exclusive focus on value-added products to meet sophisticated customer needs



~3 MTPA production at **\$1,350/T EBITDA margin** delivering exceptional value creation



Thank You

Inclusive

Responsible

Value-accretive Delivery



Forward Looking Statement

01

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02

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03

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04

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