



GRAVITA

AN INDIAN MULTINATIONAL COMPANY

Sound Management of ULAB in Africa

Dakar , Senegal
14th December 2016



We Recycle to Save Environment

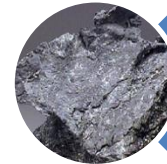




Corporate Overview



Project Executed



Projects in African region



Beyond Plant and Equipment

Corporate Overview



Key Highlights



**Leader in Indian Lead Recycling Industry
Established in 1992.**

Global Manufacturing and Marketing footprint

**Executed Turnkey Eco-friendly Lead Recycling
Projects across the Globe**

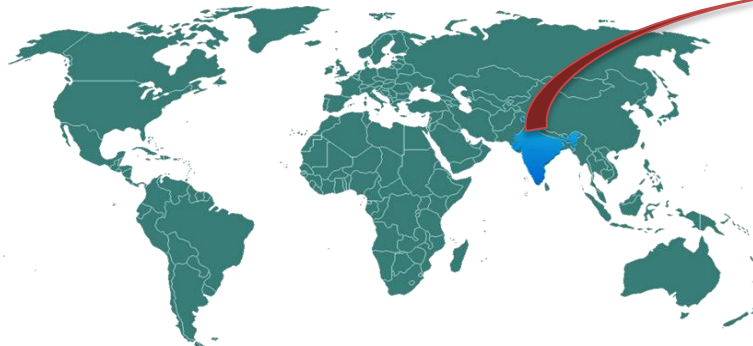
**Managed by enthusiastic and motivated team
of experienced professionals**

**More than 58% revenue flow from
International market. Revenue CAGR of 10% in
last 5 Years and 15% in last 7 Years.**

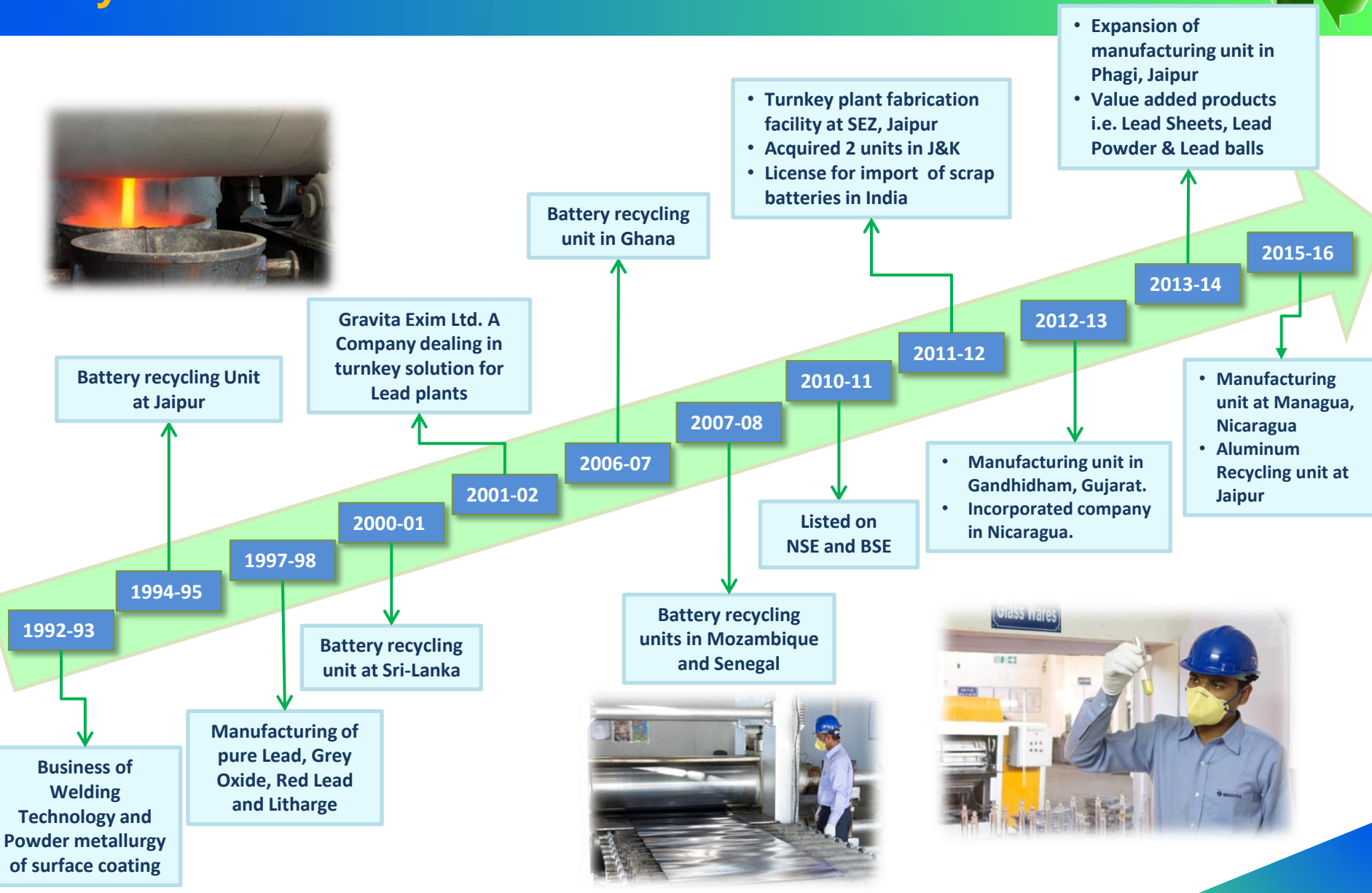
**The company's products cater to the Auto,
Telecom, Power, Nuclear and Medical industry.**

**High Standards of Corporate Governance and
Corporate Social Responsibility**

**Listed on India's Prestigious Stock Exchanges
BSE & NSE since 2010**



Key Milestones



1992-93
Business of Welding Technology and Powder metallurgy of surface coating

1997-98
Manufacturing of pure Lead, Grey Oxide, Red Lead and Litharge

1994-95
Battery recycling Unit at Jaipur

2000-01
Battery recycling unit at Sri-Lanka

2001-02
Gravita Exim Ltd. A Company dealing in turnkey solution for Lead plants

2006-07
Battery recycling unit in Ghana

2007-08
Battery recycling units in Mozambique and Senegal

2010-11
Turnkey plant fabrication facility at SEZ, Jaipur
Acquired 2 units in J&K
License for import of scrap batteries in India

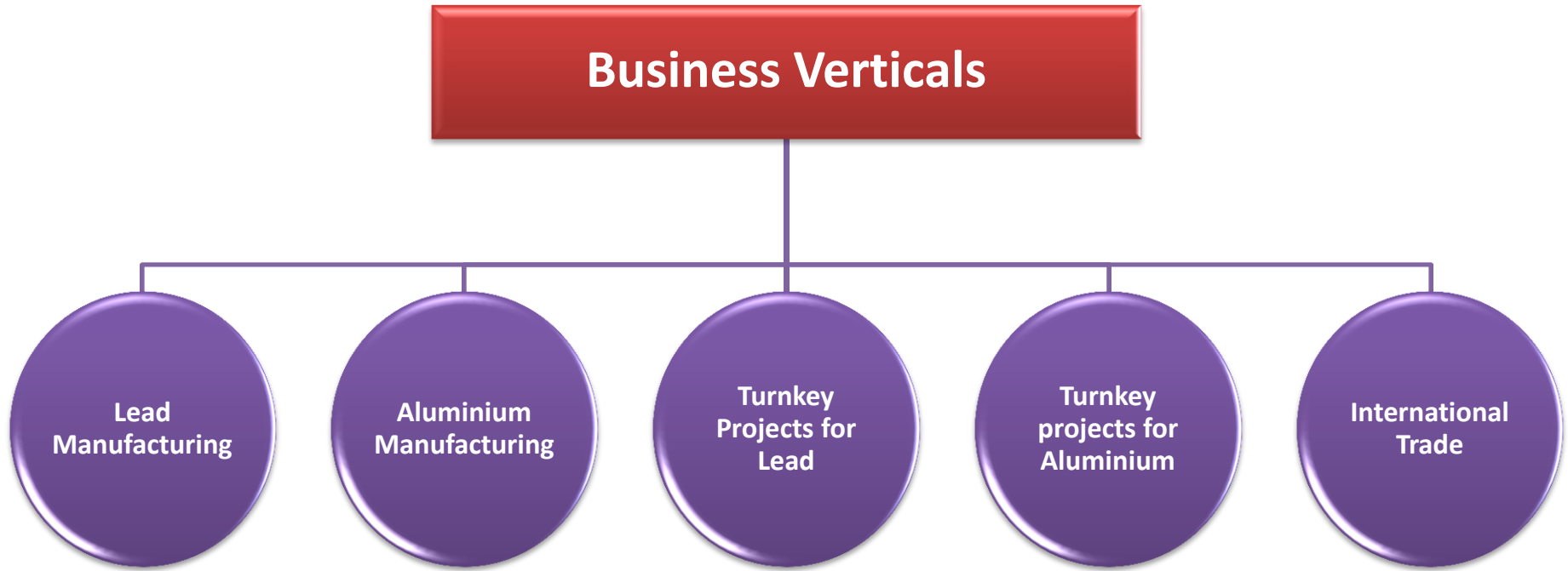
2010-11
Listed on NSE and BSE

2012-13
Manufacturing unit in Gandhidham, Gujarat.
Incorporated company in Nicaragua.

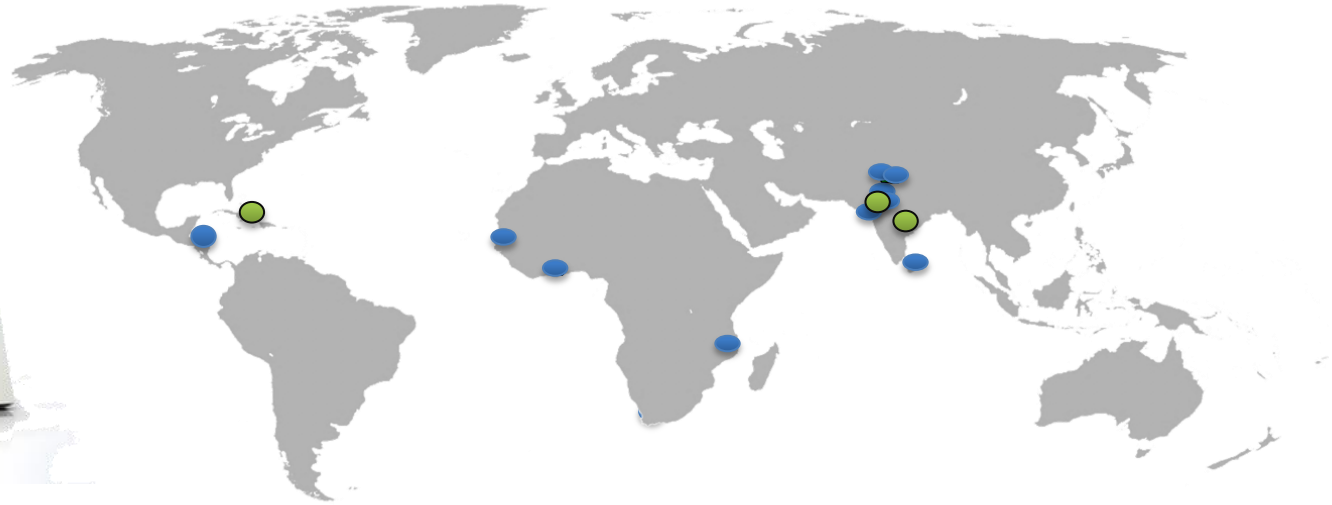
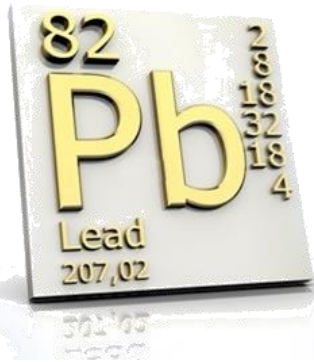
2013-14
Expansion of manufacturing unit in Phagi, Jaipur
Value added products i.e. Lead Sheets, Lead Powder & Lead balls

2015-16
Manufacturing unit at Managua, Nicaragua
Aluminum Recycling unit at Jaipur





Manufacturing Facilities



Americas

- Nicaragua
- Jamaica

Africa

- Ghana
- Senegal
- Mozambique

Asia

- India (Jaipur, Rajasthan)
- India (SEZ, Jaipur, Rajasthan)
- India (Jammu, J&K)
- India (Kathua, J&K)
- India (Gandhidham, Gujarat)
- Sri Lanka
- India (Mundra, Gujarat)
- India (Chittoor, AP)

EXISTING PLANTS

UPCOMING VENTURES

“Manufacturing facilities across 7 Countries and 3 Continents.”

Indian Manufacturing Facilities



Gravita India Ltd Unit -I

- Flagship plant at Jaipur, Rajasthan
- Manufacturing of Re-melted Lead, Pure Lead, Lead Alloys, Lead Sheet, Lead powder, Lead Shots, Lead oxides, Aluminum Ingots and Aluminum Alloy Ingots.
- 40,000 MTPA Capacity



Gravita India Ltd Unit –II

- Established at Gandhidham, Gujarat
- Manufacturing of Pure Lead and Lead Alloys
- 70 KM from Mundra Port for efficient logistics
- 19,500 MTPA Capacity



Gravita Metals

- Acquired Lead Recycling plant at Jammu, J&K
- Manufacturing of Pure Lead and Lead Alloys
- Fiscal benefits available in J&K
- 15,199 MTPA Capacity



Gravita Metal Inc.

- Acquired Lead Recycling plant at Kathua, J&K
- Manufacturing of Re-melted Lead Ingots, Pure Lead and Lead Alloys
- Fiscal benefits available in J&K
- 7,200 MTPA Capacity



Gravita India Unit-III (SEZ Unit)

- Established at Special Economic Zone, Jaipur
- Manufacturing and supply of Turnkey projects and engineering solutions.

Overseas Manufacturing Facilities



Navam Lanka Ltd.

- Established at Mirigama Industrial Zone, Sri Lanka
- Manufacturing of Re-melted Lead Ingots, Pure Lead and Lead Alloys
- 12,750 MTPA Capacity



Gravita Ghana Ltd.

- Established at Tema, Ghana
- Benefits of Free Zone
- Manufacturing of Re-melted Lead Ingots and Trading of Non Ferrous Metal Scrap
- 6,000 MTPA Capacity



Gravita Mozambique LDA

- Established at Maputo, Mozambique
- Manufacturing of Re-melted Lead Ingots and Trading of Non Ferrous Metal Scrap
- Recently shifted its operations to Free Zone at Maputo
- 4,500 MTPA Capacity



Gravita Senegal SAU

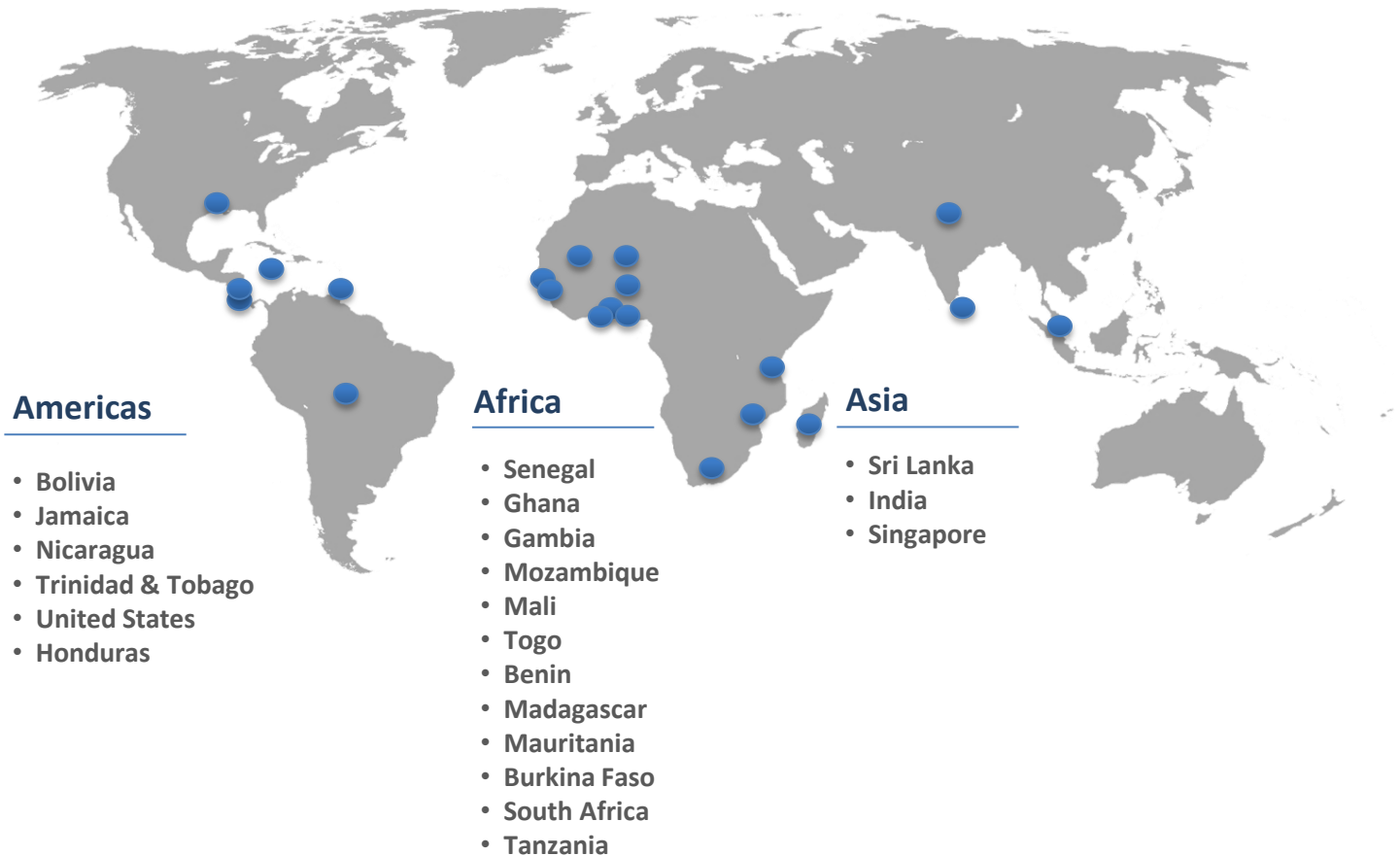
- Established at Dakar, Senegal
- Manufacturing of Re-melted Lead Ingots and Trading of Non Ferrous Metal Scrap
- 4,500 MTPA Capacity



Gravita Nicaragua S.A.

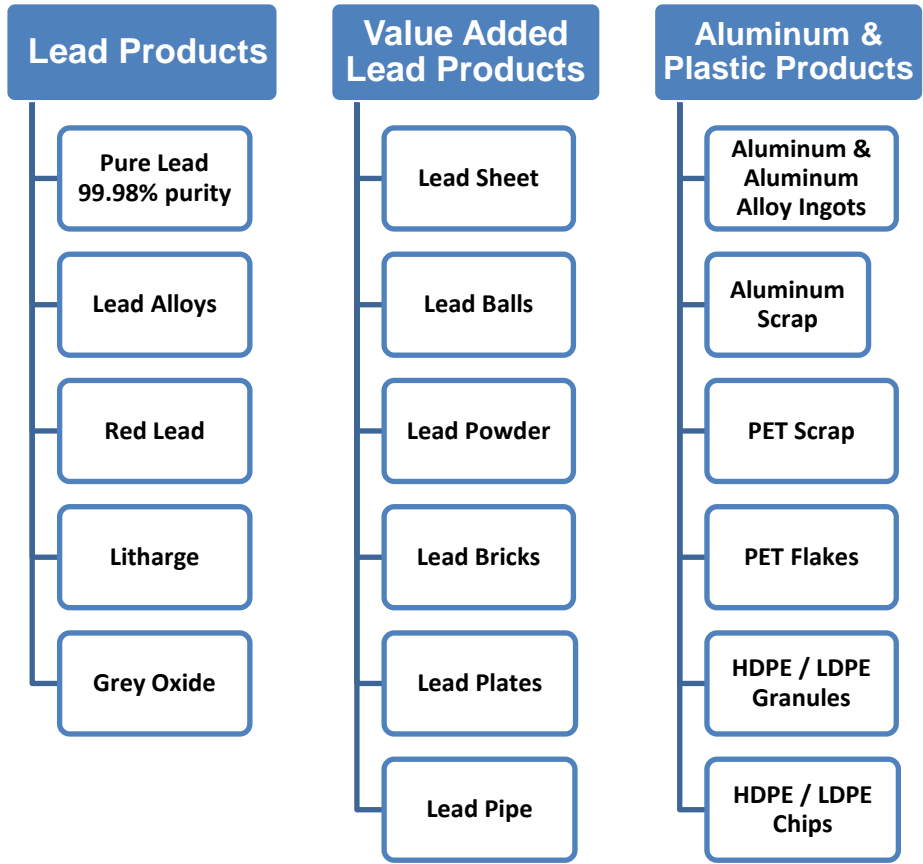
- Established at Managua, Nicaragua
- Manufacturing of PET Flakes
- Capacity: 7,200 MTPA

Global Collection Network- Lead Scrap



“Global access to cheaper raw material.”

Product Spectrum



“Continuous R & D with Operational Efficiency Creates Excellence”

Lead Recycling Equipment Manufacturing Facility



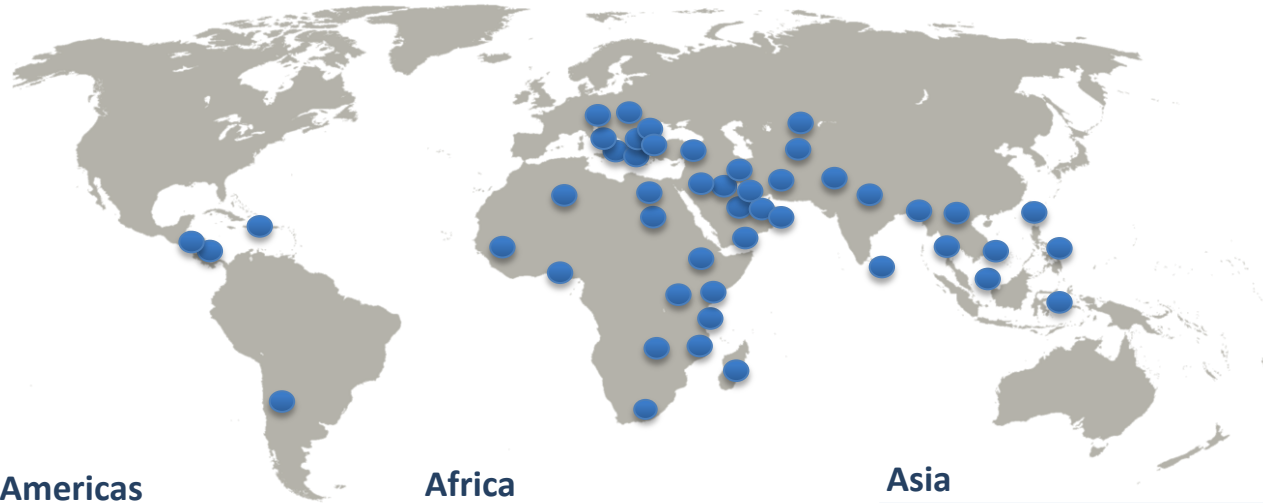
- Dedicated Export oriented unit in SEZ, Jaipur
- Latest engineering tools for preparing machinery drawings
- Strict fabrication quality check-ups
- Customized solution as per specific requirement



Turnkey Projects Executed Globally



Turnkey Projects



Americas

- Chile
- Honduras
- Nicaragua
- Trinidad & Tobago

Africa

- Algeria
- Egypt
- Ethiopia
- Ghana
- Kenya
- Madagascar
- Mozambique
- Senegal
- South Africa
- Sudan
- Tanzania
- Uganda
- Zambia

Asia

- Bangladesh (3)
- India (4)
- Indonesia
- Iran
- Iraq (2)
- Jordan
- Kazakhstan
- Kuwait
- Malaysia
- Myanmar
- Pakistan (4)
- Philippines
- Qatar
- Sri Lanka
- Saudi Arabia
- Thailand
- Turkey
- UAE
- Uzbekistan
- Vietnam
- Yemen

Europe

- Albania
- Croatia
- Hungary
- Kosovo
- Poland

“ 57 Turnkey projects Executed in 44 Countries ”

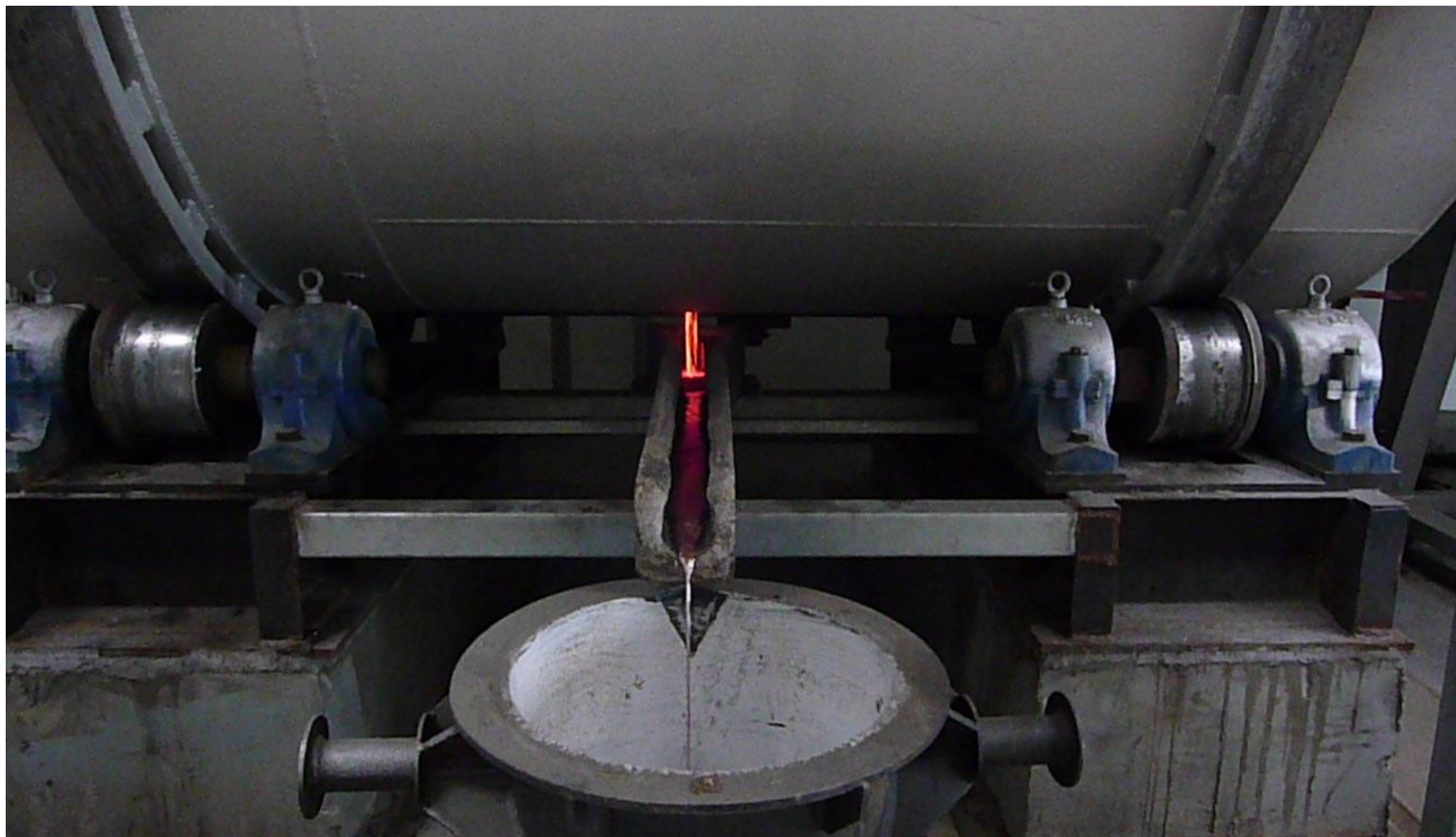


KURDISTAN (IRAQ)





KURDISTAN (IRAQ)





POLAND





UZEBIQUISTAN





HONDURAS





JORDAN





Bangladesh



African region: Challenges in ULAB Recycling



African region issues



- Low penetration of vehicle/telecom towers
- Small volume in each country to run big economically plants
- Many of Countries are landlocked
- Availability of power/Cost of Power
- Limited local market for the final products that increases cost of shipping

Why Africa shld promote recycling



- It saves mineral resource
- Lesser damage to environment
- Less carbon emission
- Higher Export earnings as compare to scrap
- More number of Jobs in manufacturing
- Saves forex in import of base metals

Role of Govt to promote recycling



- Govt has no control over scrap exports as the banks are not linked to customs system and most of scrap export remittances not coming to the country of exports or if coming then the amount is just token amount.

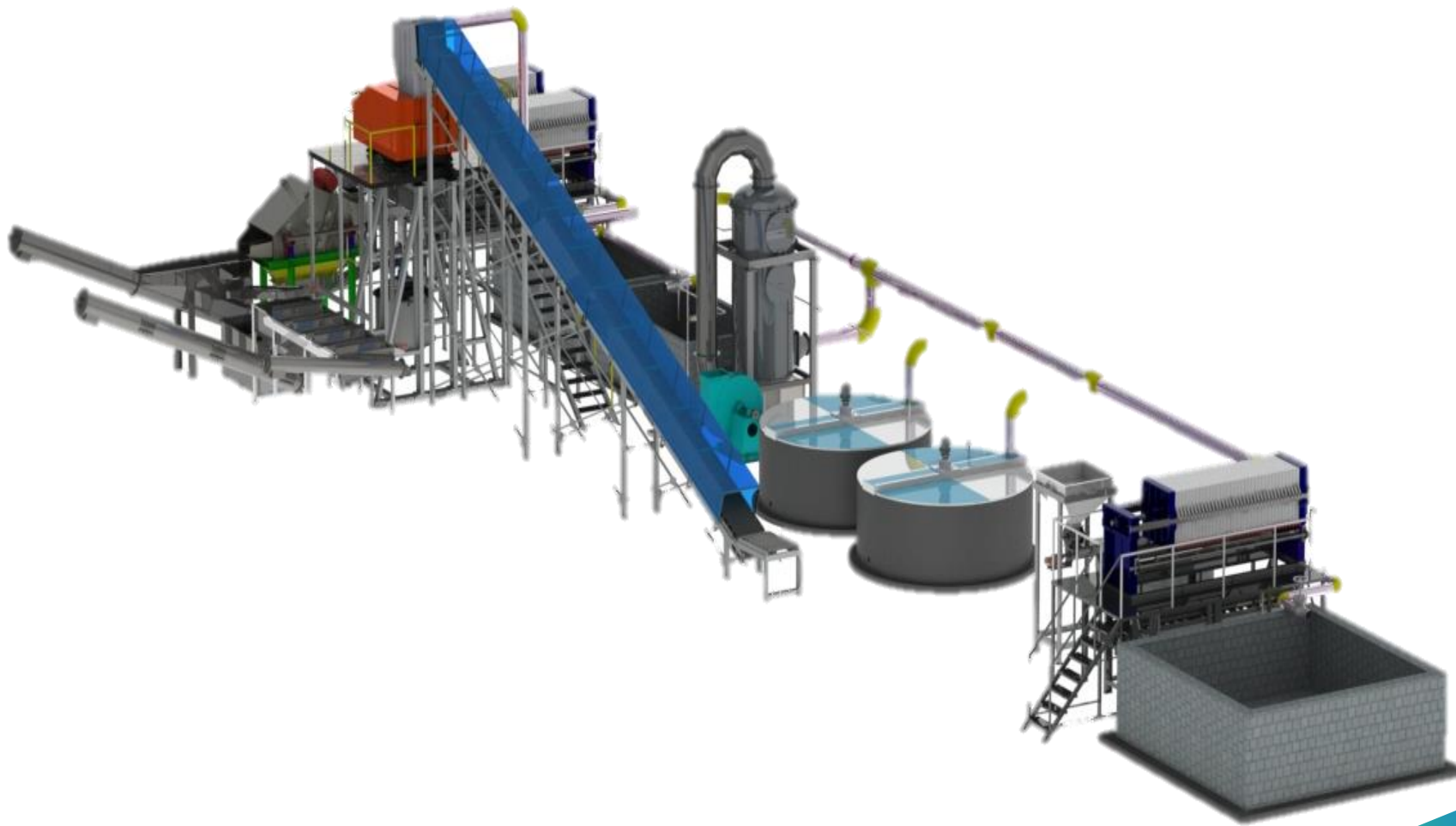
Role of Govt to promote recycling



- Govt can put surcharge or export tax on scrap of base scrap. Such tax should be certain fixed amount per ton.
- Need to provide level playing field to industry and general traders
- Promote recycling
- Control of number of batteries sold and replaced by retailers or ULAB collection center in collaboration with Industry like in Senegal
- Can create recycling zone



Battery crushing along with ANS





PP Crusher



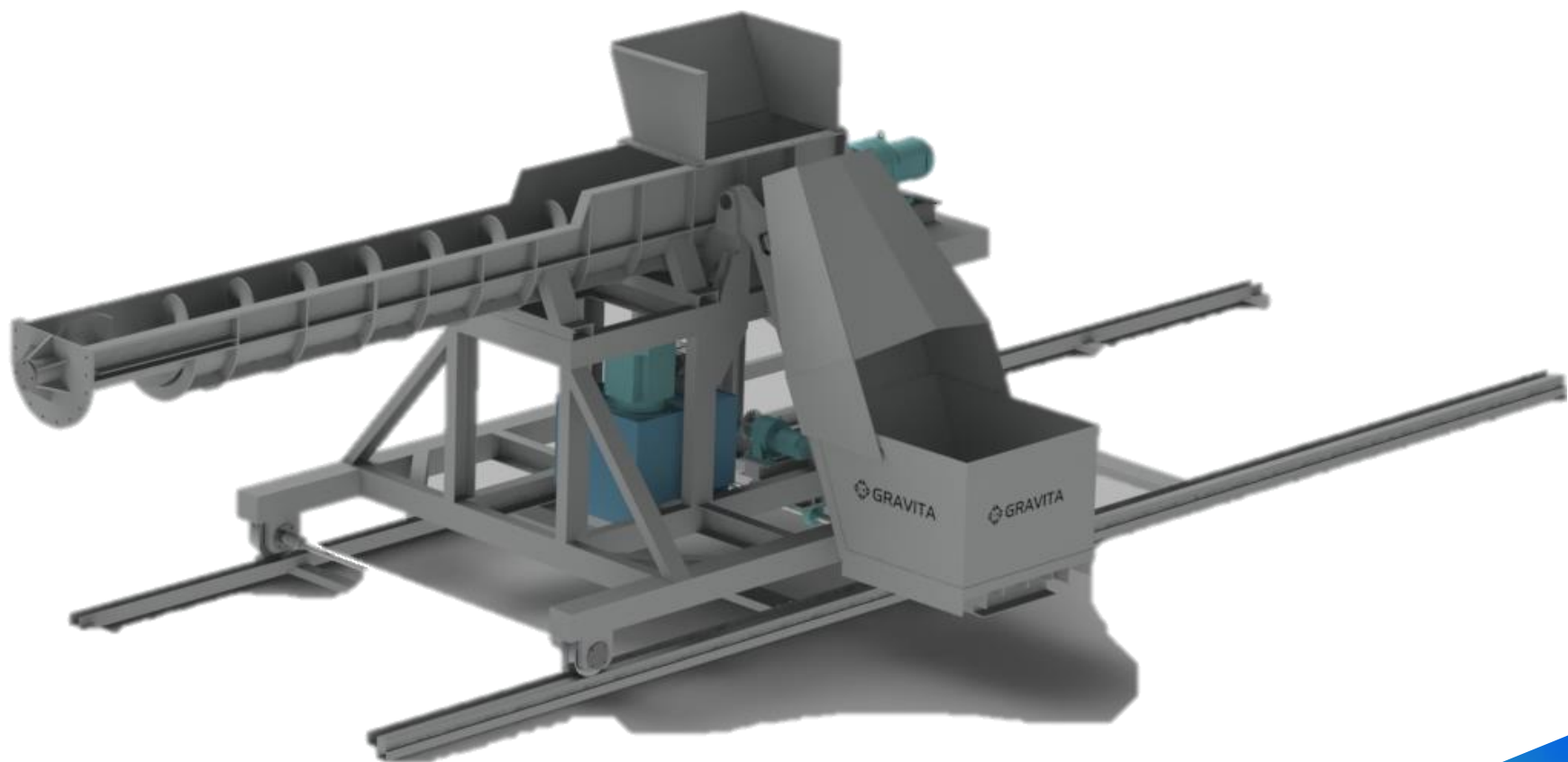


Rotary furnace (Unique Design for Maximum Recovery)





Furnace charging machine





Lead Refining Kettle





Continuous Ingot Casting Machine





Multi Stage Air Pollution Control System





Thank you !



GRAVITA

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