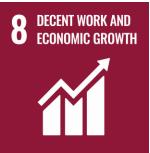


Samta Metals & Alloys SA

Metal Recycling Project

















Our Founder



Purushottam Agrawal

Founder, Ajanta Pharma Chairman, Samta Group





- □ Founded in 1973
- ∟ Employees 7,000+
- □ Research scientists 850+
- ∠ 7 plants, 2 USFDA approved
- □ 150+ Products
- □ Global presence in 30+markets
- Promoter holding 66%+

samta

- □ Singular focus of sustainability Recycle, Reduce & Reuse
- Businesses across Metals, Biotech, Nano-tech, Green Energy
- ↓ \$ 70 Mn Invested
- ∟ 3 Patents
- □ Dedicated promoter fundedPhilanthropic arm

Select Recognitions

- > The Asian Business Leadership Forum's Business Excellence Award in '22 for his outstanding leadership.
- > Pharma Excellence Award by PHARMEXCIL, Govt. of India.
- > Best Export Performance Award by Directorate of Industries, Govt. of Maharashtra
- > Gold Trophy for Quality Excellence from Indian Drug Manufacturers Association
- Ajanta Pharma listed in Forbes India Super 50 Companies for three years in a row 2015, 2016 and 2017.



Our Vision, Mission & Core Values





















About Samta Group



Inventing a New Future



2016 Founding

ounding Year



Mumbai, India Headquarters



Regions of presence



Subsidiaries



+100 M USD
Investment commitment
in Morocco

General overview

- SAMTA GROUP is an Indian company founded in 2016 which operates in several emerging industries, including biotechnology, mining, renewable energy, fintech and Blockchain
- The Company was created as part of a diversification strategy for Ajanta Pharma, a publicly listed Indian company specializing in the development and commercialization of pharmaceutical formulations
- SAMTA Group conducts business in various regions through its subsidiaries, including India, the USA, the Middle-East and Africa (DR Congo, Morocco, and Uganda)

Promoter Directors



Purushottam Agrawal Founder - Ajanta Pharma Chairman - Samta Group



Madhusudan Agrawal Vice Chairman-Ajanta Pharma



Ravi Agrawal MD – Samta Group

Group Business activities



SAMTA Energy

- 25 MW solar energy plant since 2012
- An uptime record of 99.9%



Gencrest

- R&D, Manufacturing & Marketing
- Products: OLN, OM, and textile grade banana fiber



SAMTA Mines & Minerals

- Presence in Uganda, DRCongo and Morocco
- Metals: Copper, Cobalt, Nickel, Lithium, Gold, Silver



Proto9

- Nanotechnology
- Fertilizers, Fibers and Metals



InfiniChains

- AI & Blockchain technology
- Products: Traceability and Transparency



SAMTA Foundations

- Healthcare
 - Education Prison
- Community
- activities

? Services





About Samta Mines





Countries of presence



Mineral licenses in Africa



Types of extracted metal



1 704 km²

Area covered



27 M USDTotal Investment in Africa

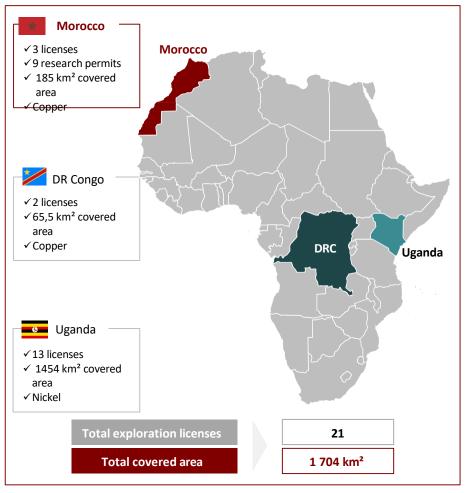
General overview

- Based in India, SAMTA Mines & Minerals ltd. is part of the SAMTA Group. The company specializes in the extraction and refining of metals & minerals:
 - ✓ Energy Metals: Extraction and refining of Copper, Nickel, Lead, Zinc, and Antimony used for generation, storage and use of electrical energy
 - ✓ 3TG: Tin, Tungsten, Tantalum and Gold used in products such as mobile phones, cars, and jewelry
 - ✓ Rare-earth elements (REEs): used as components in high technology devices, such as smart phones, digital cameras, computer hard disks, fluorescent and LED lights, flat screen televisions, computer monitors, and electronic displays
- SAMTA Mines owns businesses in Uganda, Democratic Republic of Congo and Morocco through its subsidiary located in UAE, SAMTA Management Services DMCC. The Company holds 21 minerals licenses & research permits covering an area exceeding 1 977 km²

SAMTA Mines & Minerals portfolio description & use

		Applications	Products
YE	Energy Metals	Crucial for industries such as construction, transportation, and telecommunications	✓ Copper ? Zinc ✓ Nickel ? Antimony ✓ Lead
	3TG	Essential for many modern technologies: Mobile phones, cars, and jewelry	✓ Tin ② Tantalum ✓ Tungsten ③ Gold
	REEs	High technology devices components (smartphones, digital cameras, computers, flat screens etc.)	✓ Erbium ✓ Cerium ✓ Terbium

African presence of SAMTA Mines & Minerals







Samta Mines | Sustainability Focus

Sustainability is the core focus in all our operations – right from the concept and design stage, project, operation, and post-operation closure.

SMML is committed and adheres to the following benchmark practices while executing our projects & operations:

- Zero Harm, Zero Waste, Zero discharge mining concept
- Compliance of ICMM/IFC guidelines and Dow Jones sustainability matrix
- Incorporation of blockchain technology for traceability and ethical mining practices
- Worlds benchmarked technologies to achieve the lowest specific water & energy consumption
- Promotion of green power in the applicable area
- Proactive deployment of our flagship foundation activities
- Digital mining coupled with green-powered equipment for a lower carbon footprint
- Drive waste-to-wealth initiatives under zero waste concept



Samta Mines | Organisation Chart







Samta Mines | Board of Directors



Purushottam Agrawal Group Chairman

A visionary entrepreneur & Founder- Ajanta pharma



Ravi Agarwal Managing Director

International BD and Marketing Ajanta Pharma, Infinchains



Madhusudan Agrawal Director

Vice chairman Ajanta pharma, Honorary consul general of the Republic of Uganda



Nitin Deshmukh Independent Director

Ex Founding Managing Partner, Kotak Investment Advisors



Shyam Lal Bajaj Independent Director

Ex-CFO Vedanta, Ex-CFO Polycab





Samta Morocco | Leadership Team





27 years of expérience in Metal & Mining business covering copper / lead/ zinc smelting & refining operations



Bachir Fehri General Manager

24 years of experience in operations & business development in Mining sector at Morocco



Aniket Gupta-CFO

15 years of experience in corporate finance & Governance in India and international level



Hind Abouali General Manager

10 years of experience in mining and trading business in HR & admin, liaising & PR in Morocco



Tapan Mappat COO-Morocco

22 Years of experience in copper, aluminum ,gold smelting & refining in India & abroad.



Omar Damou Finance Head

16 years of experience in finance, accounts and audits in Morocco



Biranchi Pati Head- BD & Projects

25 years of experience in Exploration & Mining, Business Developement in India & abroad

Further, building a pipeline of 20 senior professionals to drive project & operations of metal recycling business in Morocco.





Samta Morocco SA | Exploration & Mining Business



Copper, Silver & Gold Extracted Metal



Research permits



Exploitation license



+185 km²

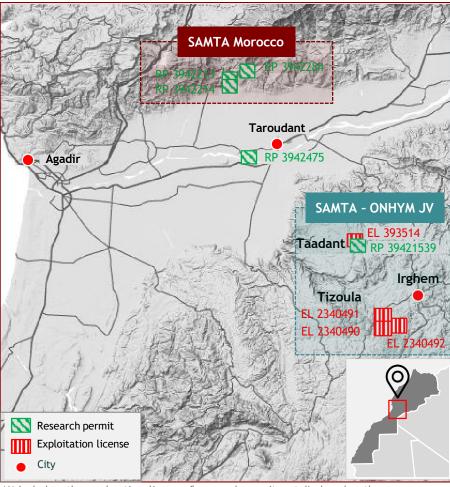
Total area covered

General overview

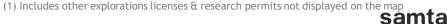
- SAMTA Morocco SA was created in April 2022 and is part of the African subsidiaries of SAMTA Management Services DMCC (owned by SAMTA Mines & Minerals). The Company mainly exploits Copper reserves in Morocco, covering a total area of 185 km², located in the south and south-east of the country (Agadir, Tata, Errachidia)
- SAMTA Morocco has been granted 4 Copper and Silver exploration licenses in the Agadir region as well as 1 Copper and Gold exploration license in the region of Errachidia by the Moroccan government. The company also operates through a joint-venture with the ONHYM (National Office of Hydrocarbons and Mines) for the exploration of 6 additional Copper mining licenses
- As part of its expansion strategy in Morocco, SAMTA aims to develop a metal recycling project

		Licenses & research permits	Covered Area (km²)
<u> </u>	ONLIVATIV	2 Research Permits	32
□NHÝM	ONHYM JV	4 Exploitation license	36,1
<u>N</u>	SAMTA Mines	8 Research Permits	100,9
		1 Exploitation license	16
	Total	15 Permits	185

Greenfield exploration







Samta Metals & Alloys SA | Metal Recycling Business



01 2025

Production start



70 MUSD

Total investment



Atlantic Free Zone

Plant location



30 235 m²

Total area



20 000 TPA

Al-Si Ingots capacity



15 000 TPA

CC Rod capacity



+99,99%

CC Rod grade



+91,6%

Al-Si Alloy Ingot grade



230+ MUSD

Average revenues

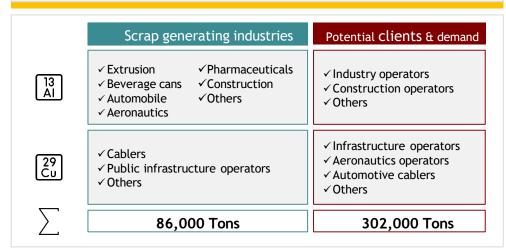


14%

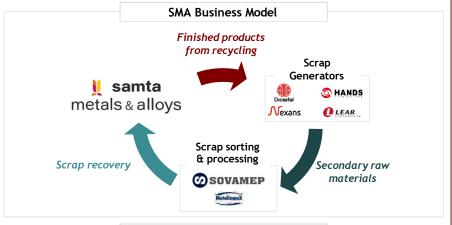
Average EBITDA margin

General overview

- SAMTA Metal and Alloys SA is the group's newly created subsidiary in Morocco and intends to invest 70 MUSD in an aluminum & copper recycling plant.
- The plant will be based in the Atlantic Free Zone over an area of 30 235 m², located in the vicinity of Kenitra. On a 5-year horizon, the recycling plant aims to recover 19 200 tons of scrap copper and 27 540 tons of aluminum scrap annually for a targeted initial capacity of 35 000 TPA of refined aluminum ingots and copper rod coils
- Production will cater to the local automotive, aeronautical and energy industries



Snapshot of SAMTA recycling business



Products description

Products		Capacity	Product Grade
Copper Cathodes and rod coils		15 000 TPA	99,99%
	A356	12 000 TPA	91,3%
	4032	2 000 TPA	85%
Al-Si Ingots	4043	2 000 TPA	94,8%
iligot3	4047	2 000 TPA	85,5%
	4543	2 000 TPA	93,7%
Total		35 000 TPA	



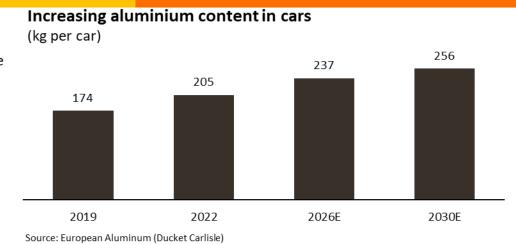




Samta Metals & Alloys | Global Scenario

Auto industry's need for lighter weight aluminium

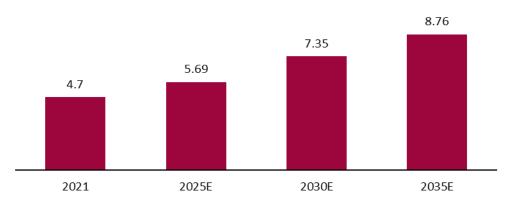
- A report commissioned by European Aluminium found that the average aluminium used in European cars has increased by 18% between 2019 and 2022 to 205 kg per car
- According to the study, the trend towards lightweighting and electrification in the automotive industry is driving a significant increase in aluminium content



Renewable energy requires significant copper cables

- Demand for copper for power to grow by a CAGR of 4.5% until 2035
- Copper used in power cables for solar technologies will increase from 980,000 tonnes in 2021 to 6.4 million tonnes by 2040
- EV charging ports are predicted to grow from 3.2 million in 2021 to 152.3 million in 2040, causing copper demand in the sector to reach 978,000 tonnes in 2040 from 43,300 tonnes in 2021
- Demand for copper in power cables will also be driven by other emerging technologies including building and construction, data centers, smart grids, HVDC networks and energy storage

Projected copper demand for renewable energy (million tonnes)



Source: International Copper Association





Samta Metals & Alloys | Morocco Demand Projection



The Moroccan aerospace industry

- Grows by an average of 20% per year
- Has over 140 companies in sector
- 40% local integration high value products

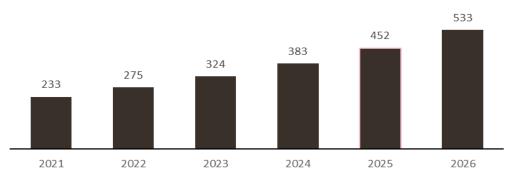


The Moroccan automotive industry

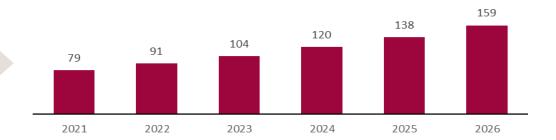
- To manufacture 1 million cars up from 0.7 million in 2021
- Has over 250 companies
- 60% local integration
- Plans for electric vehicle "giga-factory"

Import of aluminium and copper

Import of unwrought and semi-finished aluminium (in '000 MT)



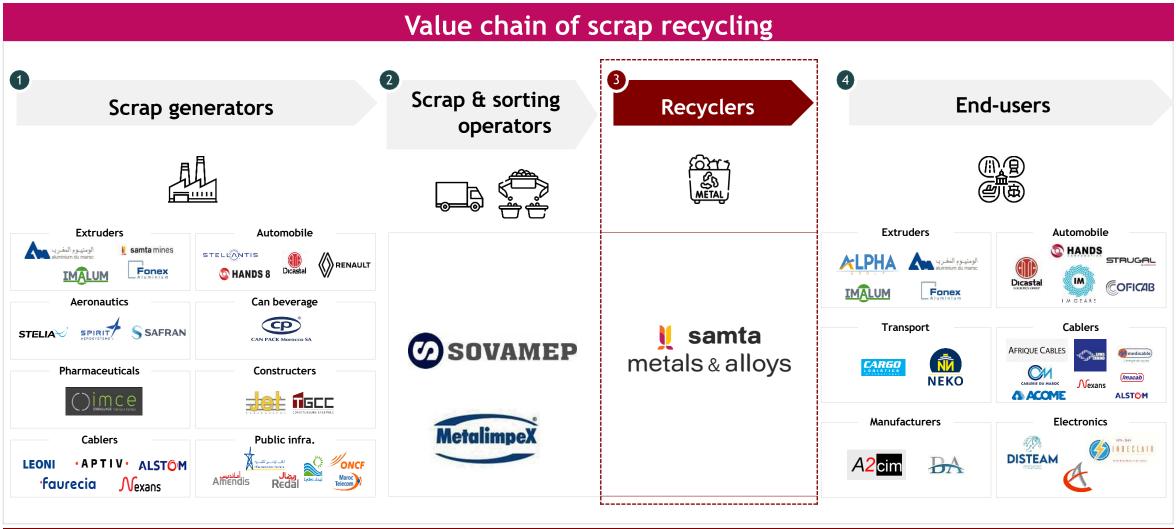
Import of semi-finished copper (in '000 MT)







Samta Metals & Alloys | Value Chain







Samta Metals & Alloys | Value Chain

Based on the recognition that there is abundant scrap available in the country, further supported by the Government's plan to implement a ban on scrap export to support domestic processing, Samta is securing its position on scrap sourcing through:

- Being the scrap recycler of choice in the Free Zone 'the Free Zone metal recycler'
- Ensuring good logistics to mitigate against any scrap shortfall in the long term
- Entering into agreements with the largest industrial scrap generators in the Free Zone and nearby
- Maximising the circular opportunity where the industrial scrap supplier can be a customer for our 'new metal' products and enter into product offtake agreements

- Working with key supplier/customers to deepen the relationship with them – see slide 17
- Ensuring a minimum monthly quantity and specification with industrial suppliers/customers
- Thereby minimising scope for scrap shortfalls
- Price scrap to reflect metal content and price products to reflect factory gate import parity pricing of the alternative product customers would use (LME + freight from LME warehouse + import duties/charges)





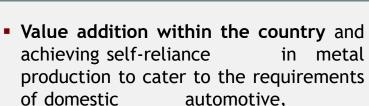








Economic & technology development



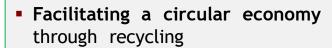
 Development of an ecosystem to attract downstream industries for metal processing

aeronautical, and other industries

- Generation of additional revenue for local government
- Driving technological advancements and innovation in the recycling sector, the establishment of such plants can lead to the development of new and improved recycling methods and processes



Ecology & Sustainability



- Preserving natural resources, energy, and water while reducing greenhouse gas emissions compared to mining, smelting, and refining activities
- Conserving wildlife and ecosystems by minimizing mining activities
- Contributing to the reduction of carbon footprints for individuals, businesses, and communities
- Recycling Cu and Al requires significantly less energy compared to primary processing



Employment & Skill Development

- Skill development of local residents in metallurgical industries
- Creating jobs in recycling and manufacturing industries
- Requiring skilled labor for operations, management, maintenance, and logistics, these plants generate employment for local communities and contribute to their economic growth
- Stimulating economic growth, the recycling industry attracts investments, promotes entrepreneurship, and fosters local industries associated with metal recycling



Benefits

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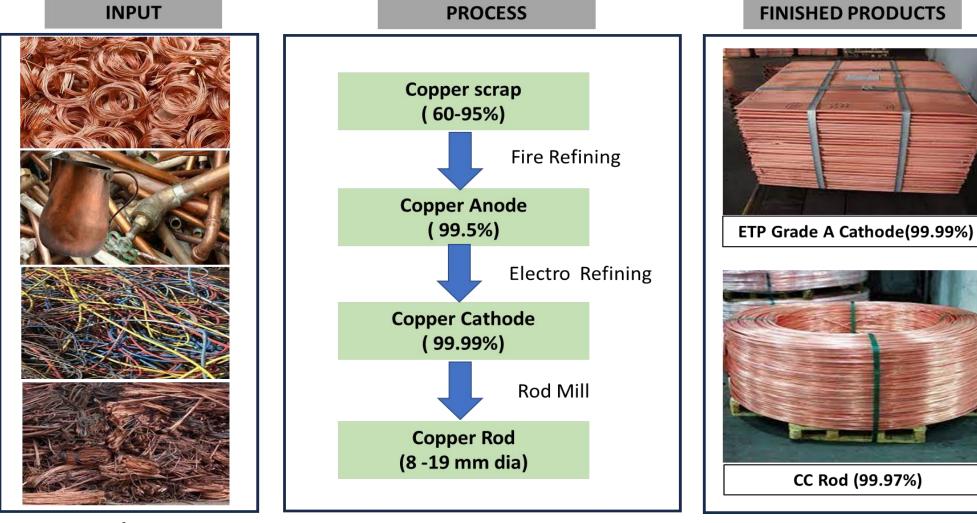
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Samta Metals & Alloys | Highlights

- As a part of circular economy, **first ever metal recycling plant in Morocco** targeting the quality requirement of direct customers in automobile/ energy /aeronautical sector.
- First ever plant in Morocco which will produce electrolytic grade copper cathode (99.99%) and then further converted into copper rod (6 to 19 mm dia)
- **First ever** plant in Morocco which will produce **Aluminum alloy** (Plan of producing Al-Si alloy initially) for automobile industries.
- 100% usage of renewal energy as green metal concept.
- State of art technology with highest EHS standard, quality standard
- Customer centric plant design and service orientation
- Building strong mutual collaboration with customers by solving their disposal issues (Like aluminum dross recycling from Dicastal & others)



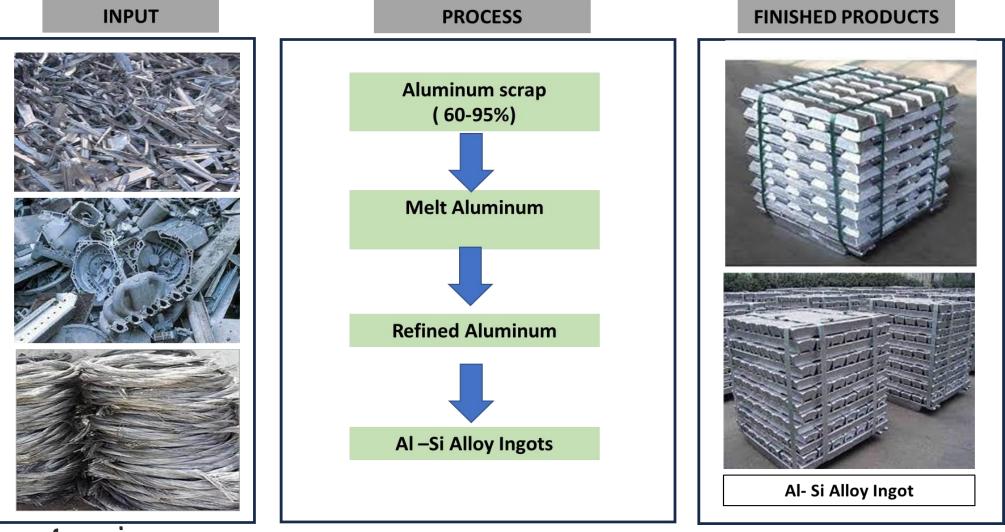
Production Process | Copper





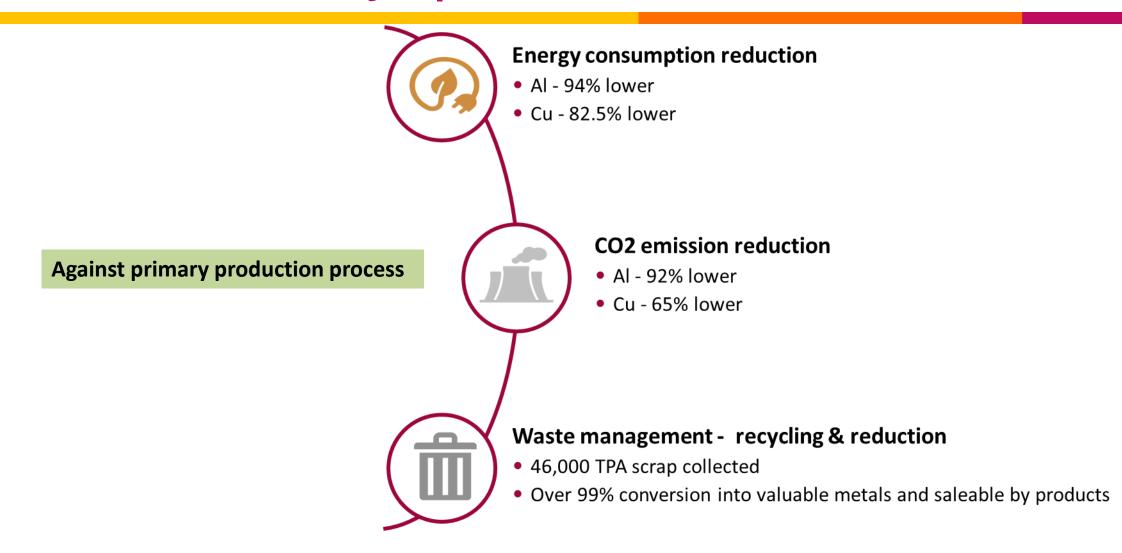


Production Process | Aluminium





Samta Metals & Alloys | Sustainable Green Recycling



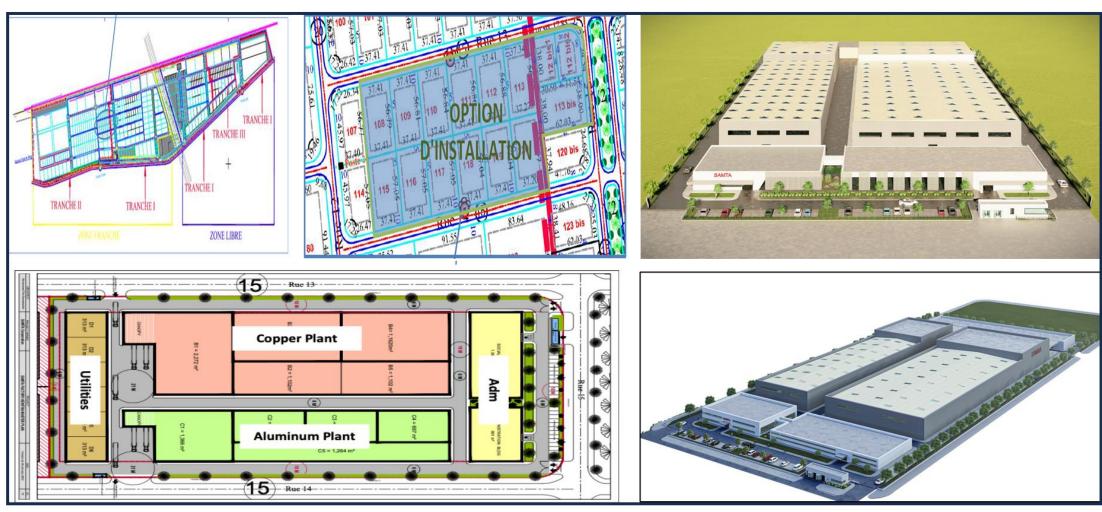




Samta Metals & Alloys | Plant Location

Plant Location - Kenitra Atlantic Free Zone strategic location IAZ area Direct employment Total area Companies in AFZ **Key figures** 500 Ha 350 Ha +100 industrials ~40 000 On-site train station 17 km **Kenitra Train Station** Railway access Casa - Tangier high-speed train 17 km Kenitra 12 km Rabat 48 km Major cities access Casablanca 134 km 200 km **Tangier** 50 km Rabat-Sale Airport Major airports 170 km **Casablanca Airport** 18 km **Kenitra Port (ongoing)** Major ports access 150 km Casablanca Port 240 km samta **Tanger Med Port** samtamines

Samta Metals & Alloys | Proposed Layout







Samta Metals & Alloys | Project Status

Sr No	KEY MILESTONES AND WORK IN PROGRESS (FROM SEP 2022- TO DATE)	Status	Year
1	Government Relation		
1.1	Project kick off	Completed	Sept-22
1.2	MOU with Ministry of Industry & Trade	Completed	Sept-22
1.4	Purchase of Land of 3 Hect (30,000M2)	Completed	May-23
1.5	Investment charter approval	Completed	Dec-23
2	<u>Environment</u>	**	
2.1	Granting of Environmental clearance of the Project	Completed	Dec-23
2.2	Base Line Water & Air data Report	Completed	Dec-23
2.3	EIA report	Completed	Nov-23
3	Project Technical Documents		
3.1	Bankable Detailed Feasibility Report (by MECON,India)	Completed	July-23
3.2	Market & taxation study by Deloitte	Completed	Dec-22
4	Buyer and Supplier Agreements		
4.1	MOU sign off with major scrap suppliers	Completed	Sep-23
4.2	MOU sign off with major finished good customers	Completed	Jul-23



Samta Metals & Alloys | Project Status

Sr No	KEY MILESTONES AND WORK IN PROGRESS (FROM SEP 2022- TO DATE)	Status	Year
5	Tender, Contract & Procurement		
5.1	Sign off for EPS contract with Powben Engineering ,China	Completed	Dec-23
5.2	Sign of for Construction contract with Local partner	In Progress	Mar-24
5.3	Sign off for engagement of Project Management Consultant (PMC)	In Progress	Mar-24
5.4	Sign of for Renewable Power supply agreement	In Progress	Mar-24
5.5	Sign of for Natural Gas supply Agreement	In Progress	Mar-24
5.6	Sign of for Water and conventional Electricity Supply from ONEE	In Progress	Mar-24
6	Company & Governance		
	Incorporation of Samta Metals & Alloys SA as Local company (Authorised capital of		
6.1	US\$2.25Mn)	Completed	July-23
7	Project Finance		
7.1	Project Data Bank prepartion	Completed	Nov-23
7.2	Investor Engagement & Due-Diligence closure	In Progress	Mar-24
7.3	Finacial Closure	In Progress	April-24
7.4	Start of Fund Drawdown	In Progress	May-24
8	Project Constuction & Comissioning	In Progress	Mar-25



Samta Metals & Alloys | Expansion Plan

Capacity / Phase	Phase 1	Phase 1 + Phase 2
Copper Recycling	15,000 MT	30,000 MT
Aluminum Recycling	20,000 MT	40,000 MT
TOTAL	35,000 MT	70,000 MT

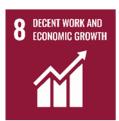
- **First phase** production of **15,000** ton per annum of copper cathode and further to the copper rod (8-19mm diameter) of 99.99 % of copper and **20,000** ton per annum Aluminum alloy ingots (Aluminum Silica Alloys of various series A356, 4032,4043,4047, 4543)
- Capacity will be doubled within 3 years from the date of initial production with limited capital investment.
- Phase 1 Land and Civil Construction capable for Phase 2



Samta Metals & Alloys | Sustainability Focus



√ 30% minimum female employment



- ✓ >150 Local jobs
- √ 90% Moroccan employment



- ✓ Investment of Euro 65 million
- ✓ First metal recycling plant
- ✓ Circular economy



- ✓ Recycling domestic waste
- ✓ Local economic development jobs and local inclusion
- ✓ Local integration in recycling value chain



- ✓ Recycling metal; efficient use of natural resources
- ✓ Lowering energy consumption by >90%
- ✓ Over 99% conversion into valuable metals and saleable by products



- ✓ 100% green energy
- ✓ Reduction in process related CO₂ emissions
- ✓ Reduction of waste into landfills
- ✓ Recycling of water



- ✓ MOU with Government for local investment
- ✓ Local employment
- ✓ Value added local supply chain
- ✓ Contribution to local taxes





Samta Metals & Alloys | IFC Performance Standard Embraced

Sr No	IFC standard	How implemented
1	Assessment and management of ES Risk and impact	 Project-level HSSEC resources, skills mapping & training plan Project-level organogram detailing the roles and responsibilities of all staff with HSSEC responsibilities across all Project phases. Implementation of Behavior based safety training (BBS), Engineering control for high risk activities, Process Safety management (PSM), contractor safety management (CSM), standard rule & procedures (SRP)
2	Labor / working conditions	 Samta HR policies ,Samta Project labor Agreement (PLA), Samta POSH policy /Effective grievance mechanism in accordance with EBRD PR2 Effective implementation of above through internal & external audit
3	Resource efficiency and pollution prevention	 Plant design based on BAT (best available technology) and ensuring standard beyond Moroccan standard Eliminate -Reduce-Recycle concept in plant design. Incorporation of motivation of energy efficiency processes and technology into the final design
4	Community health, safety and security	 Implementing Samta HSSEC policy / EBRD best practice PR4/Occupational H&S Imparting training & awareness sessions to community as a part of our CSR outreach
5	Land acquisition/resettlement	 Purchase of required land parcel from MEDZ as per regulatory procedures and registering the land It is noted that there is no resettlement and rehabilitation during the procurement of land from the MEDZ as this area is free from resettlement and rehabilitation
6	Biodiversity and living natural resources	By adjusting the ESIA reflection of the potential impacts of the Project for biodiversity receptors, which includes a revised project and assessment of air quality impacts, particularly on surrounding Protected areas
7	Indigenous people	 Promoting development benefits in culturally appropriate ways. Informed consultation and participation with IPs throughout the project process Prior and Informed Consent under certain circumstances
8	Culture	 Conducting a screening study to determine cultural heritage baseline study in accordance with Moroccan and international best practice Promote and participate to preserve cultural heritage of the community in impact area





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Thank You

