



NICICO
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COPPER INDUSTRIES CO.

National Iranian Copper Industries Company (NICICO)

October 2025



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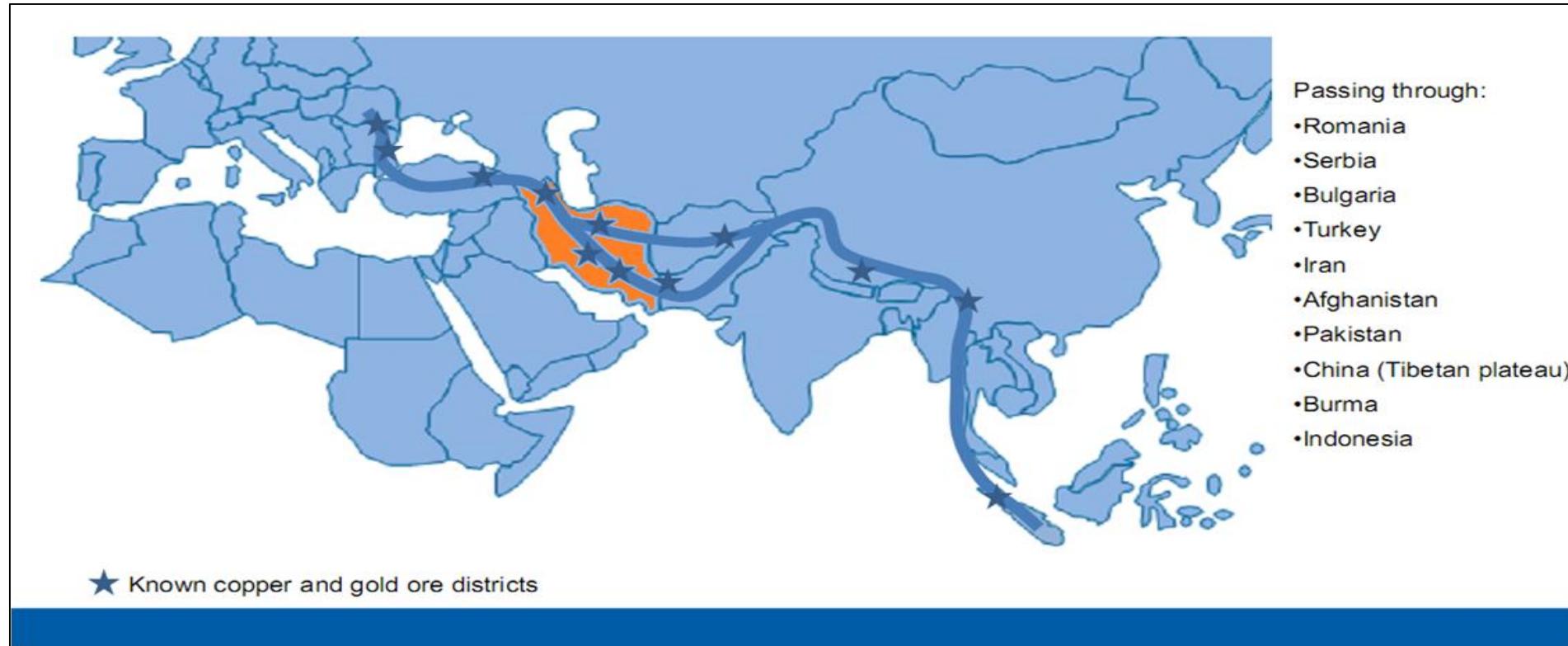
Iran's Copper Industry at a Glance



Iran's strategic position on the global copper belt

Parts of Iran are located on the world's copper belt, stretching from the northwest to the southeast of the country.

NICICO is constantly exploring new areas across the country.



Copper Reserves, Mines, and Production in Iran

Iran is one of the world's major copper producers and began its industrial copper production in 1972.

66 Mt

6.5% of global copper reserves in 2025

22

Number of copper company in Iran

336 Kt

copper Cont. production 2024

312 Kt

copper Cathode production 2024

In IRAN, NICICO is the largest mining company in Iran, holding over 95% of the country's copper reserves and production.



Copper Reserves, Mines, and Production in Iran

Row	Country	Reserves Cont.Cu (Mt) in 2025	Share of the total(%)	Mine Cu Cont. Production ('000tons)	Share of the total(%)	World Production Rank
1	Chile	190	19.4	5300	23.04	1
2	Australia	100	10.2	800	3.5	8
3	Peru	100	10.2	2600	11.3	3
4	Congo	80	8.2	3300	14.3	2
5	Russia	80	8.2	930	4.0	7
6	Iran	66	6.7	336	1.5	14
7	Mexico	53	5.4	700	3.0	10
8	USA	47	4.8	1100	4.8	5
9	China	41	4.2	1800	7.8	4
10	Poland	34	3.5	410	1.8	13
11	Indonesia	21	2.1	1100	4.8	6
12	Zambia	21	2.1	680	3.0	11
13	Kazakhstan	20	2.0	740	3.2	9
14	Canada	8.3	0.8	450	2.0	12
15	India	2.2	0.2	30	0.1	15
	Rest of the world	116.5	11.9	2724	11.8	-
	Total	980	-	23000	-	-

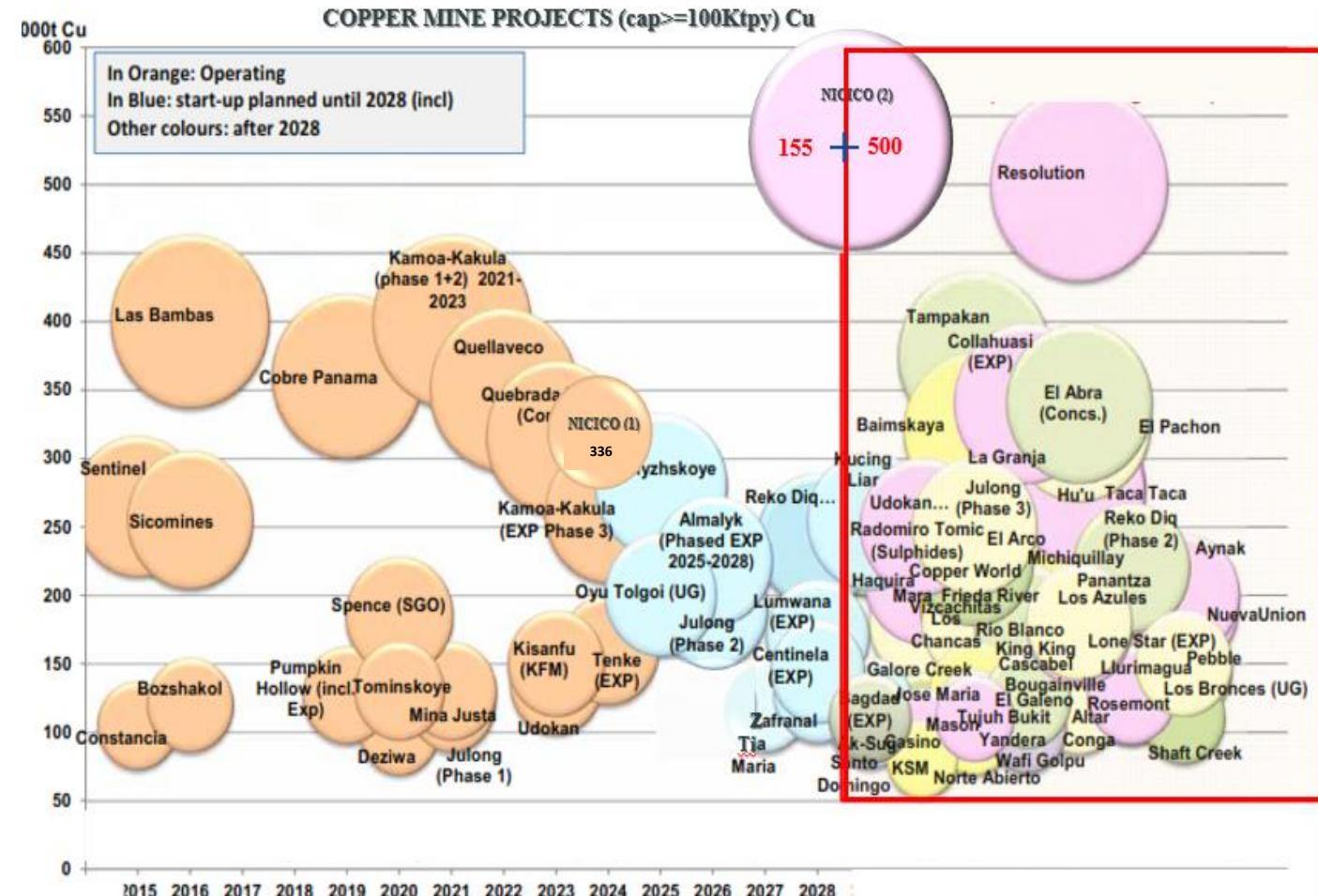
Iran is the sixth country in the world for copper reserves

Iran ranks fourteenth in the world for mine production

NICICO in the global development landscape

- Current copper cont production of NICICO in 2024: 336 kt
- Global projected capacity expansion: 11.5 Mt
- Production from NICICO's copper development projects is expected to increase by approximately 155,000 tonnes by 2028.

Following that, an additional 500,000 tonnes is projected to be added, bringing the total estimated annual production increase to about 1 million tonnes.



Source: ICSG Directory of Copper Mines, Smelters and Refineries - April 2025

After the completion of the development projects, Iran's rank in copper content production will rise to eighth in the world.

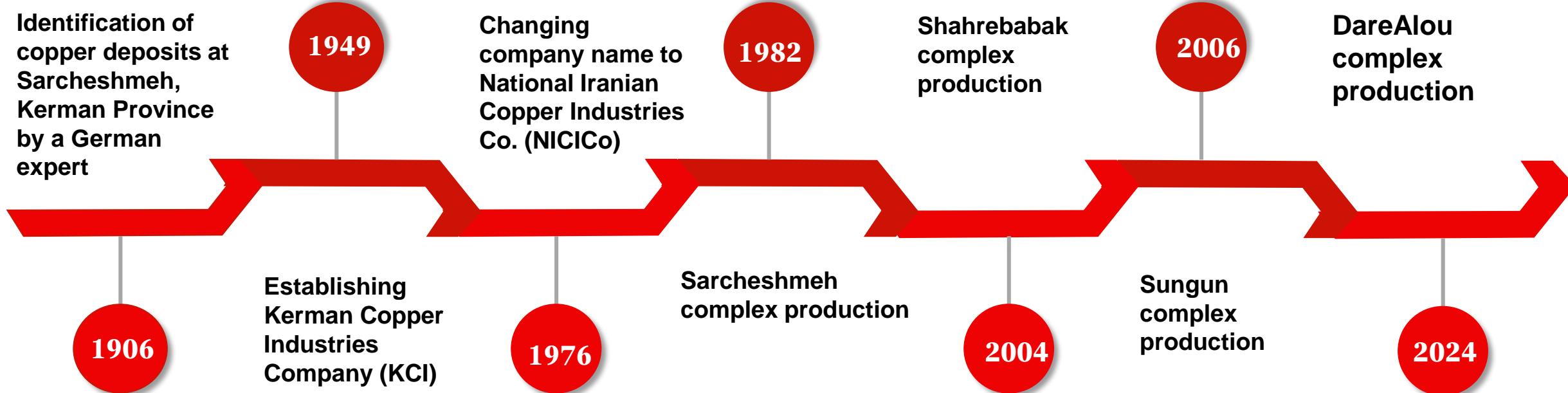


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NICICO Overview



History of Main copper complex in NICICO



WHAT WE WILL PRODUCE

● **NICICO** produces a variety of final, intermediate and by-products, as outlined below.

- **Refined Copper (Cathode)**
- **Copper Concentrate**
- **Molybdenum Concentrate(MoS2)**
- **Copper Anode**
- **Wire rod**
- **Anode Slime**
- **Molybdenum Oxide(MoO3)**
- **Granulated copper slag**
- **Sulphuric Acid**

● The quality of the final products are on the base of following standards:

■ Refined Copper	ASTM B115
■ Wire Rod	ASTM B49



The analysis table and technical specifications of the refined copper cathode (produced at Sarcheshmeh and Khatoonabad Refineries)

Copper Cathode produced in Sarcheshmeh and Khatoon-Abad									
Typical analysis & Size Determination									
Cu	99.994	% Min	As	< 1	PPM	Sb	< 1	PPM	
Fe	< 2	PPM	Pb	< 5	"	Zn	< 3	"	
Mn	< 0.5	"	Co	< 2	"	Ni	< 1	"	
S	< 15	"	Cd	< 0.2	"	Te	< 1.2	"	
O	< 50	"	Se	< 0.4	"	Sn	< 1	"	
Bi	< 1	"	Si	< 1	"	P	< 1	"	
Cr	< 1	"	Ag	< 10	"				

The annual production of Copper Cathode is approximately 300,000 tons.

A) Sarcheshmeh Electrolytic Refined Copper (Cathode)

Dimension: Length: 98 cm, Width: 96.3 cm

Thickness: 15±5 mm

Weight of each sheet: 144 kg

No. of sheets in each bundle: 18

Standard: ASTM-B115

B) Khatoon Abad Electrolytic Refined Copper (Cathode)

Dimension: Length: 100 cm, Width: 100 cm

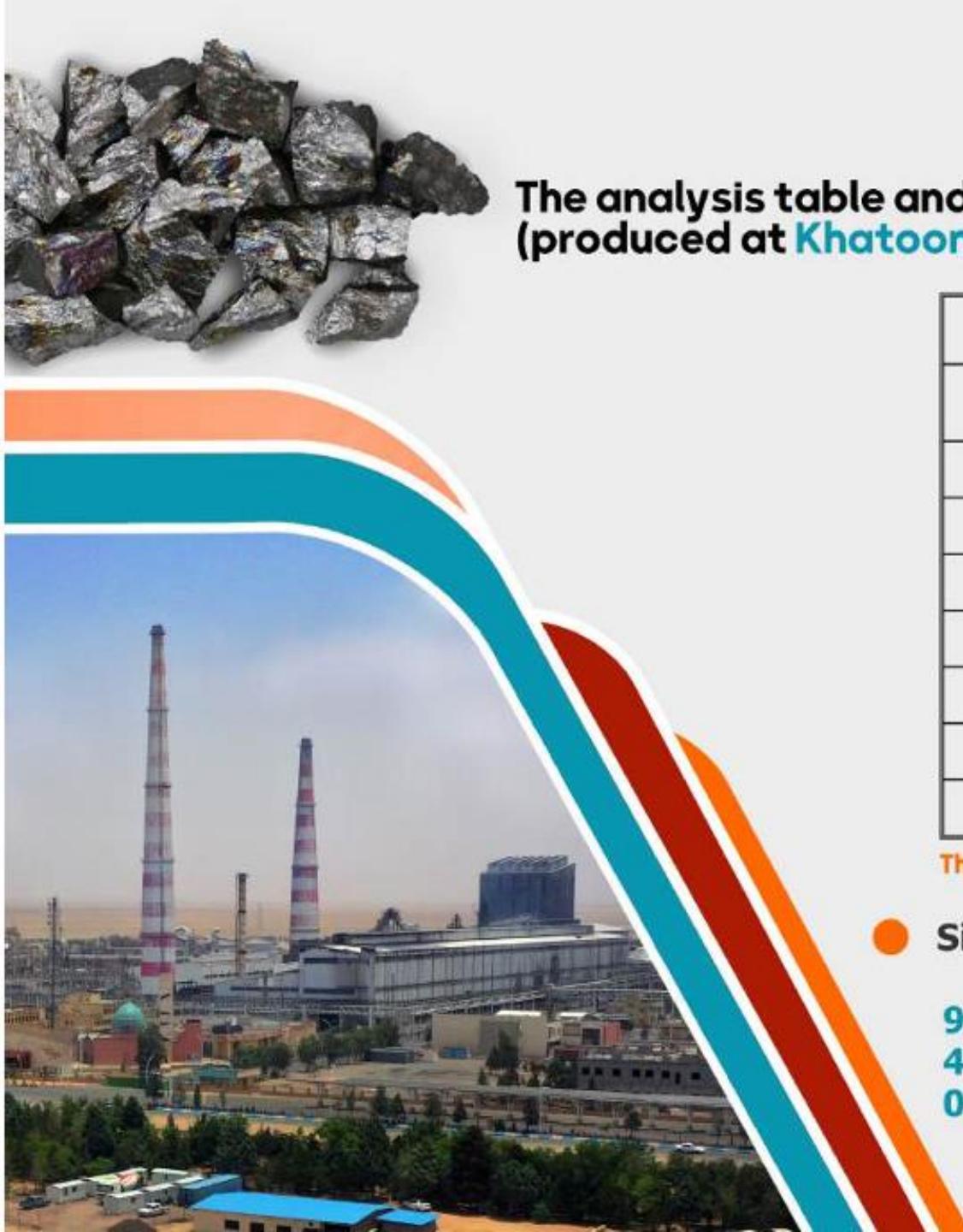
Thickness: 8 mm

Weight of each sheet: 142 kg

No. of sheets in each bundle: 17

Standard: ASTM-B115





The analysis table and technical specifications of Molybdenum Oxide (produced at Khatoonabad Factory)

Molybdenum Oxide produced in Khatoon-Abad		
Typical analysis & Size Determination		
Mo	61-65	%
Cu	0.6-1.30	%
C	0.02	% Max
S	0.14	% Max
Pb	0.14	% max
P	0.02	% max
Si	1.82	% max

The annual production of Molybdenum Oxide is approximately 2000 tons.

● Sizing:

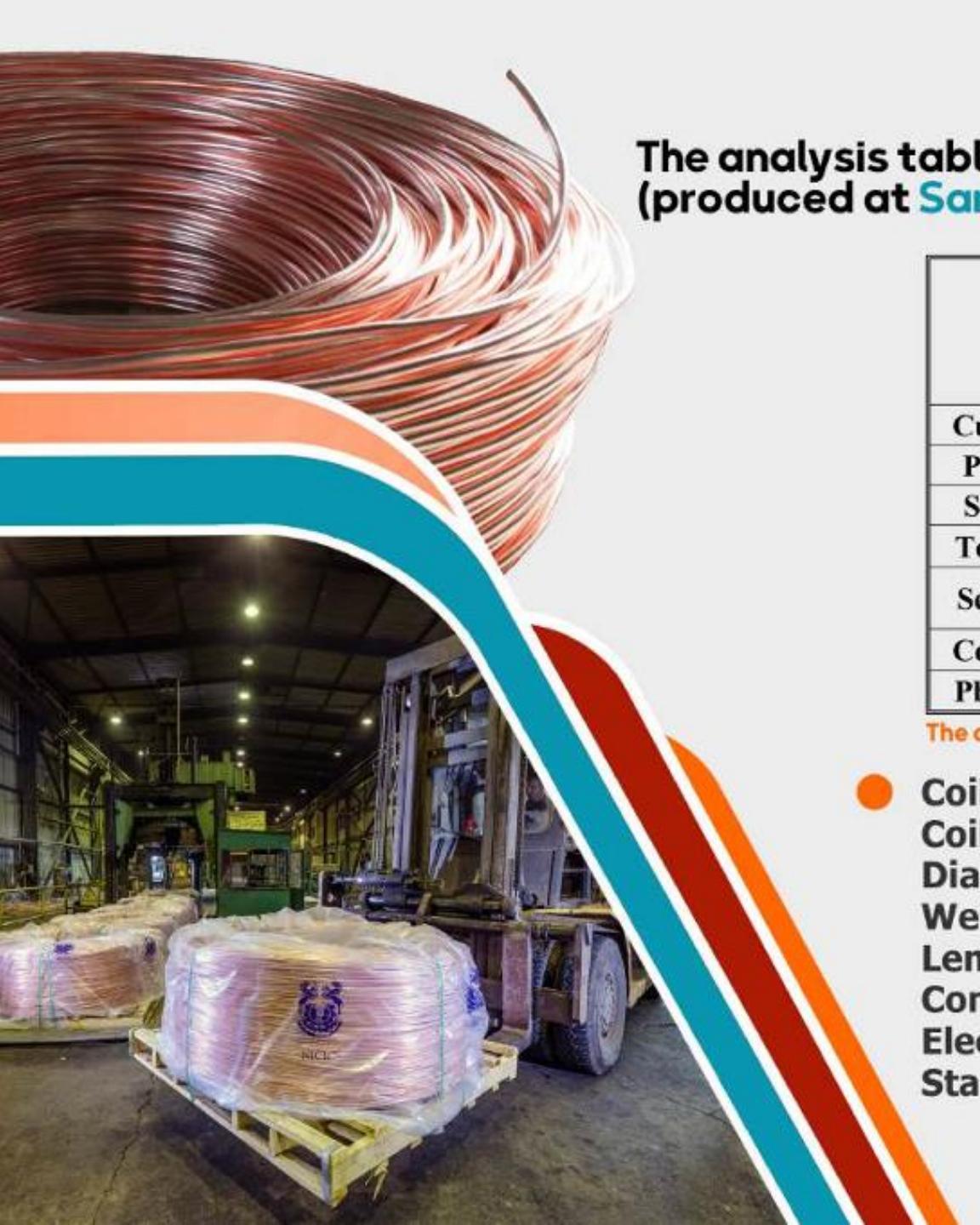
95% between 0-5 mm
4.5% " 5-10 mm
0.5% " 10-20 mm

The analysis table and technical specifications of **Sulfuric Acid** (produced at **Sarcheshmeh** and **Khatoonabad** Factories)

Acid Concentration	Approx. 98	Percent (%)	Assays Method
Density	1.83	Kg/Lit	ASTM E223
Fe	<20	ppm	ICP-OES
SO ₂	<40	ppm	ASTM E223
HCl	<10	ppm	ISO 2877
MN	<1	ppm	ICP-OES
As	<1	ppm	ICP-OES
Zn	<1	ppm	ICP-OES
Cl	<10	ppm	ISO 2877
Cu	<1	ppm	ICP-OES
Ni	<1	ppm	ICP-OES
Cd	<1	ppm	ICP-OES
Pb	<1	ppm	ICP-OES
Hg	<1	ppm	ICP-OES
Turbidity	<10	ppm	TURBIDIMETER 2100N
Physical State	Liquid	-	-

The annual production of Sulfuric Acid is approximately 900,000 tons.





The analysis table and technical specifications of **Wire rod** (produced at **Sarcheshmeh** Factory)

Copper Wire Rod 8 mm Manufactured in Sarcheshmeh Copper Complex

Typical analysis & Size Determination

Cu	99.994 Min	PCT	Sn	<1.0	PPM	Fe	<7.0	PPM
P	<1.0	PPM	Si	<1.2	"	Mn	<0.4	"
S	<15	"	Bi	<0.6	"	As	<5	"
Te	<1.3	"	Ag	<9.0	"	Cr	<1.0	"
Se	<0.7	"	Ni	<5	"	Zn	<3.0	"
Cd	<0.3	"	Co	<2.0	"	Sb	<4	"
Pb	<3.0	"						

The annual production of copper WireRod 8mm is approximately 60,000 tons.

- **Coil Inner Diameter: 1000 (mm)**
- **Coil Outer Diameter : 1800 (mm)**
- **Diameter: 8 +/- 0.38 (mm)**
- **Weight of Each Coil: Approx. 5.00 Mt.**
- **Length: Approx. 11000 Meter.**
- **Conductivity @20°C: 100.00% IACS**
- **Electrical Resistivity @20°C: 0.1533Ω.gr/m²**
- **Standard: ASTM B49, ASTMB193, BS EN 1977**



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The analysis table and technical specifications of the Copper Concentrate (produced at Sarcheshmeh, Miduk and Sungun Mines)

Copper Concentrate is produced in Sarcheshmeh, Miduk and Sungun								
Typical analysis & Size Determination								
Cu	25 +/-3	PCT	TiO2	0.21	PCT	K2O	0.42	PCT
Ag	30-45	PPM	Zn	0.41	"	Mo	0.16	"
Au	1-1.5	PPM	Bi	160	PPM	P2O5	0.22	"
Fe	24 +/-3	PCT	Cd	50	"	H2O	6-8	"
SiO2	4 +/-2	"	Cl	180	"	Ni	120	PPM
S	33	"	F	30	"	Sb	0.04	"
Al2O3	1.8	"	Fe3O4	0.8	"	Se	140	"
As	0.17	"	Hg	1	"	Te	42	"
CaO	0.14	"	Insol	4	"			
Pb	0.19	"	MgO	0.11	"			

The annual production of Copper Concentrate is approximately 1,400,000 tons.



The analysis table and technical specifications of Sx/Ew Copper Cathode (produced at Sarcheshmeh Leaching Factory)



Copper Cathode produced in Sarcheshmeh and Khatoon-Abad									
Typical analysis & Size Determination									
Cu	99.994	% Min	As	< 1	PPM	Sb	< 1	PPM	
Fe	< 2	PPM	Pb	< 5	"	Zn	< 3	"	
Mn	< 0.5	"	Co	< 2	"	Ni	< 1	"	
S	< 15	"	Cd	< 0.2	"	Te	< 1.2	"	
O	< 50	"	Se	< 0.4	"	Sn	< 1	"	
Bi	< 1	"	Si	< 1	"	P	< 1	"	
Cr	< 1	"	Ag	< 10	"				

- A) Sarcheshmeh Leaching Refined Copper(Cathode) (SX/EW Technology)

Dimension: Length: 100 cm, Width: 97 cm
Thickness: 5 ±1 mm
Weight of each sheet: 44 ±7 kg
No. of sheets in each bundle: 36
Standard: ASTM-B115

- B) Miduk Leaching Refined Copper(Cathode) (SX/EW Technology)

Dimension: Length: 110 cm, Width: 100 cm
Thickness: 5 mm
Weight of each sheet: 50 kg
No. of sheets in each bundle: 52
Standard: ASTM-B115



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Activ

- The analysis table and technical specifications of **Molybdenum Concentrate (MoS₂)**

The analysis table a of Molybdenum Concentrate(MoS ₂)							
	Typical analysis						
	Cu	S	Mo	Fe	H ₂ O	Pb	oil
Min	0.2	28	44	1.2	0.1	0.01	0.3
Max	4.9	42	56	8	15	0.2	14

- The analysis table of specifications of **Granulated copper slag**

The analysis table a of Granulated copper slag				
	Typical analysis			
	Cu	Fe	SiO ₂	MgO
Min	0.35	37	23	0.2
Max	0.6	43	30	1.2

The analysis table and technical specifications of **Anodic Slime** (**Precious metals concentrate**)

The analysis table a of Anodic Slime (Precious metals concentrate)

Typical analysis

	Ag	Au	Se	Cu	Pt	Pd	H2O
	%	%	%	%	ppm	ppm	%
Min	2	0.08	8.3	0.45	1	30	5.5
Max	9.5	0.26	25.7	19	12	124	23.8



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NICICO's subsidiaries

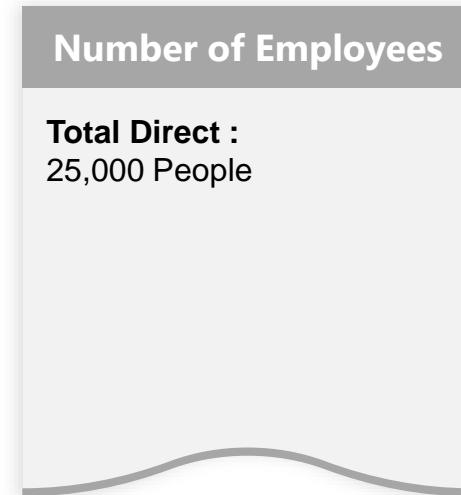
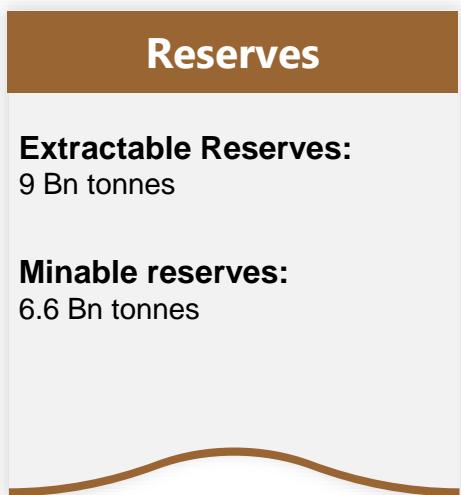
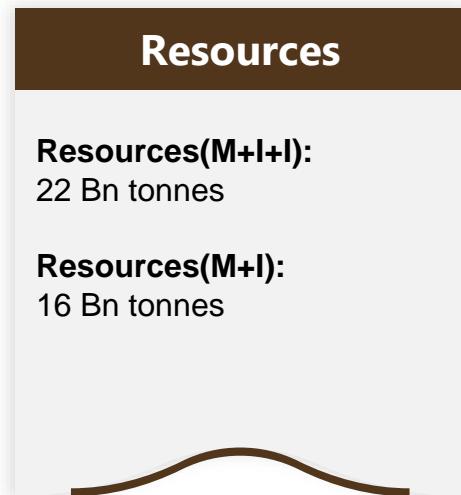


Service	Number of subsidiaries
Engineering services	10
Trading	2
Financial services	3
Sports	1
Production	6
Infrastructure	5
Total	27

This table shows how NICICO's subsidiaries are distributed by activity, mainly active in engineering, production, and infrastructure. The company has 27 subsidiaries operating in various fields.



NICICO overview



Active Main Copper Complex in NICICO



Sarcheshmeh

Minable Reserve: 1566 Mt
Mine production capacity:
40.8 Mt
Cu Concentrate: 826 kt
Copper cathode: 170 kt

Sungun

Minable Reserve: 2005 Mt
Mine production capacity:
14 Mt
Cu Concentrate: 300 kt

Miduk

Minable Reserve: 703 Mt
Mine production capacity:
9 Mt
Cu Concentrate: 168 kt
Copper cathode: 120 kt

Daralou

Minable Reserve: 207.1 Mt
Mine production capacity:
7 Mt
Cu Concentrate: 100 kt

introduce the mining complexes of NICICO, including the reserves and annual production capacity of each complex separately.



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Strategic Framework



Strategic Framework

We create value — for people, for industry, and for the future of our beloved Iran.

Founding Philosophy

Exploration, extraction, and processing of mineral materials, and converting them into high value-added products to create sustainable advantages for stakeholders.

Mission

To become a leading organization globally in sustainable copper production and to establish the copper industry as one of the main pillars of the national economy.

Vision

Increasing mineral reserves

Sustainable production and productivity enhancement

Cost reduction

Portfolio development

Expansion of exports

Major Objectives

Technology-based exploration

Technological advancement and continuous improvement

Localization and energy optimization across the production chain

Product diversification through by-product recovery

Competitive advantage and export market expansion

Strategies

Commitment to social responsibility and environmental preservation

Shared interests and strengthening the position of colleagues and stakeholders

Continuous improvement through innovation, participation, and excellence

Integrity and adherence to professional ethics

Commitment to Islamic principles and human dignity

Organizational Values

In this strategic framework, the company's key objectives are clearly defined, and each is supported by a corresponding strategy. Our focus is on five main pillars: increasing mineral reserves, achieving sustainable production and productivity enhancement, reducing costs, developing the product portfolio, and expanding exports. Each objective is backed by specific operational strategies to ensure both quantitative and qualitative growth in production and to improve NICICO's position nationally and globally.

Export Products & Strategy

Annual Export Volumes

- Copper Concentrate: ~160,000 tons/year
- Copper Cathode: ~100,000 tons/year
- Copper Wire: ~12,000 tons/year

10-Year Strategic Plan

- ↑ Increase production based on development plans
- ⚙ Improve product quality
- 🏡 Stabilize domestic market
- 🌐 Expand exports and international market presence
- 🤝 Focus on **long-term contracts** (minimum one year)

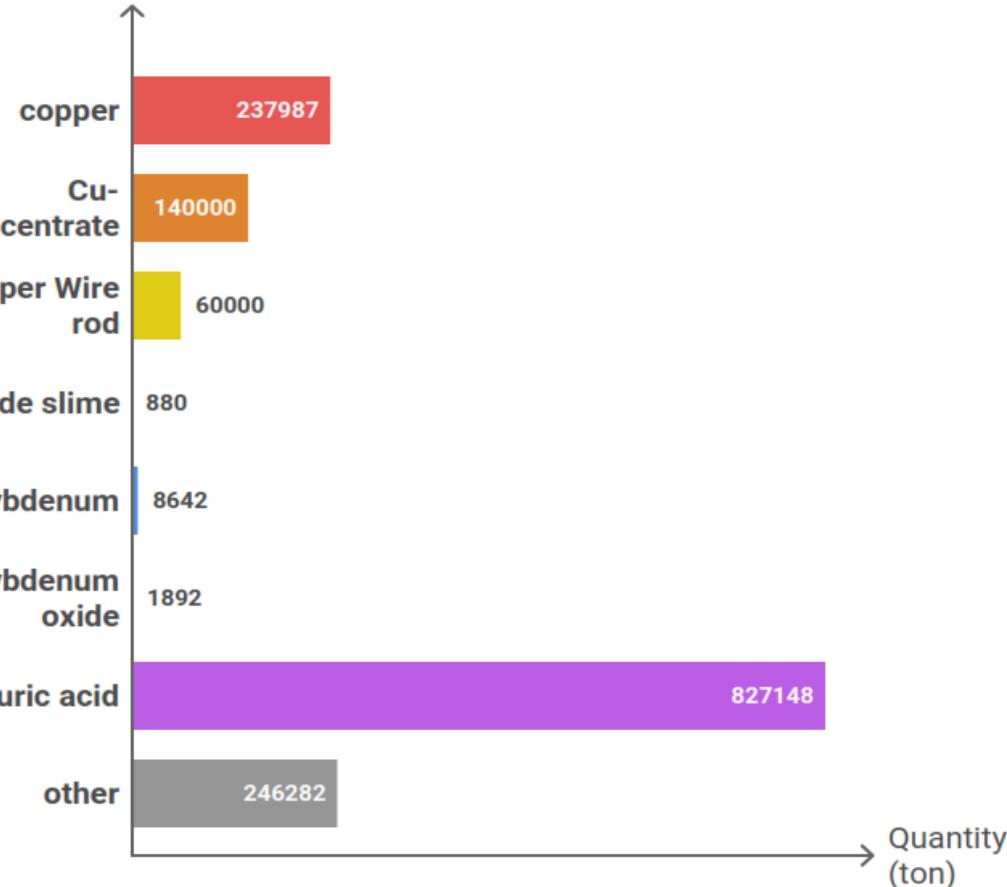


NICICO Copper Market

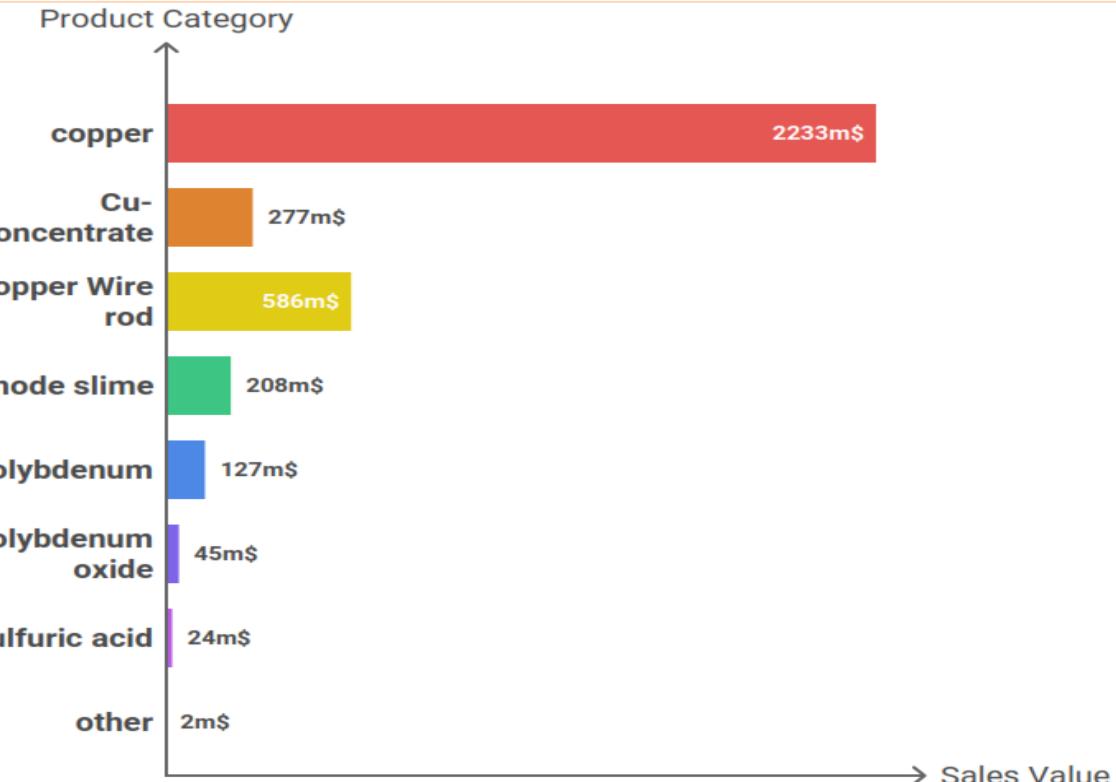


NICICO Sales Performance in 2025

Sales Volumes in 2025



Sales value in 2025



Total volumes: 1.5 mt

Total value: 3.5 b\$



NICICO's development roadmap



After 2030

- Concentrate Capacity: 4.3 million tons
- Copper Cathode Capacity : 1 million tons
- Sales:10 billion USD
- Workforce: 50,000 people

2028

- Concentrate Capacity: 3.5 million tons
- Copper Cathode Capacity : 525 thousand tons
- Sales:8 billion USD
- Workforce: 40,000 people

2025

- Concentrate Capacity: 1.6 million tons
- Copper Cathode Capacity : 325 thousand tons
- Sales: 3.5 billion \$
- Workforce: 25,000 people



NICICO Projects



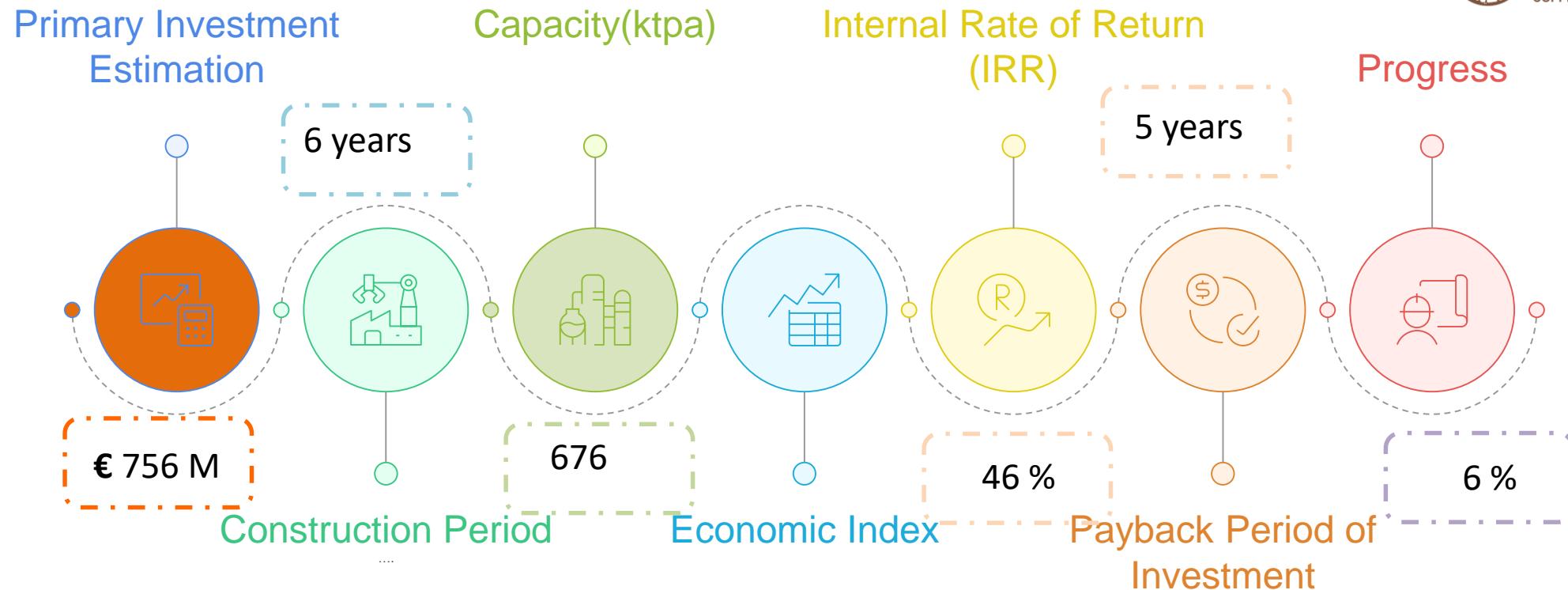
NICICO Current development projects



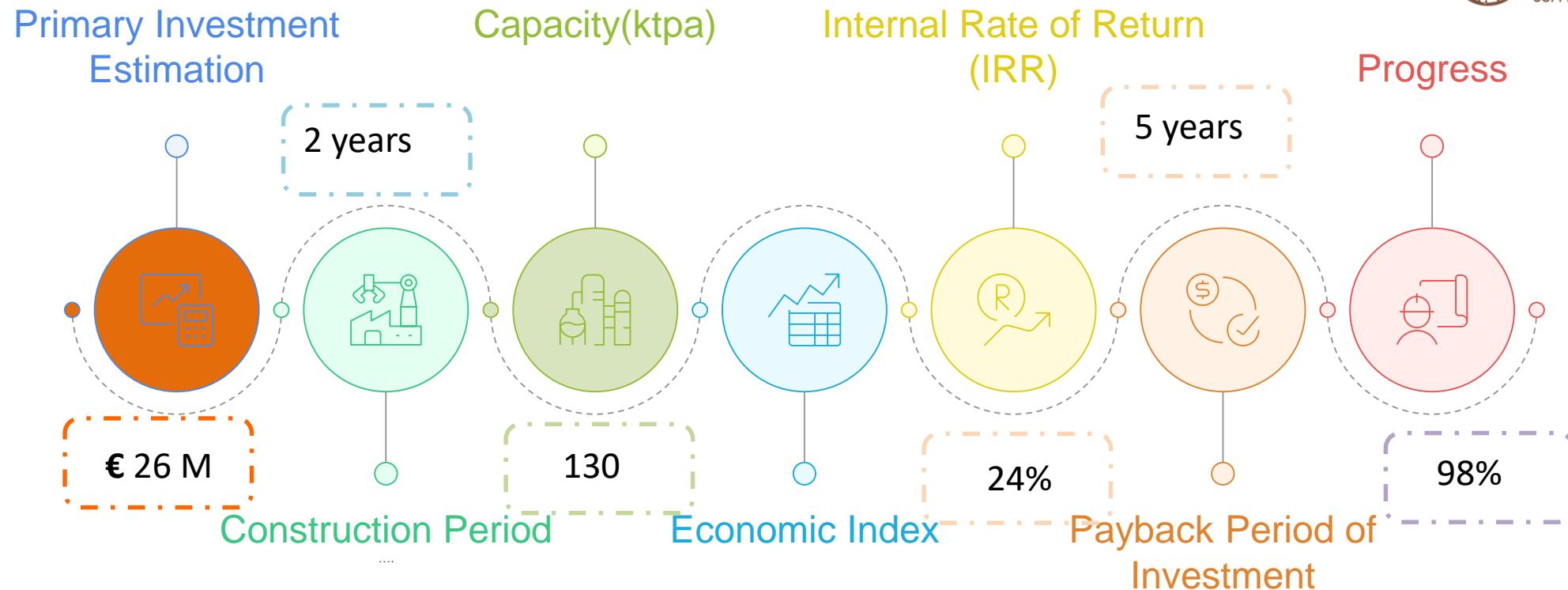
Number of copper concentration projects	7	Investment	2.7 (B€)
Number of copper smelting & refining projects	1	Investment	595 (M€)
Number of utilities projects	11	Investment	2.4 (B€)
Number of downstream projects	2	Investment	265(M€)
Total	21	Investment	6.02 (B€)

Currently, we have 70 development projects, the most important of which include the ones mentioned above. As you can see, there are currently 21 ongoing projects, which will increase the annual production capacity of copper concentrate to more than 2 million tons, cathode to 200 thousand tons, and wire to 130 thousand tons, In addition NICICO is preparing the necessary infrastructure for the projects. In addition, NICICO's ten-year plan requires an investment of €13 billion to achieve the production of one million tons of cathode.

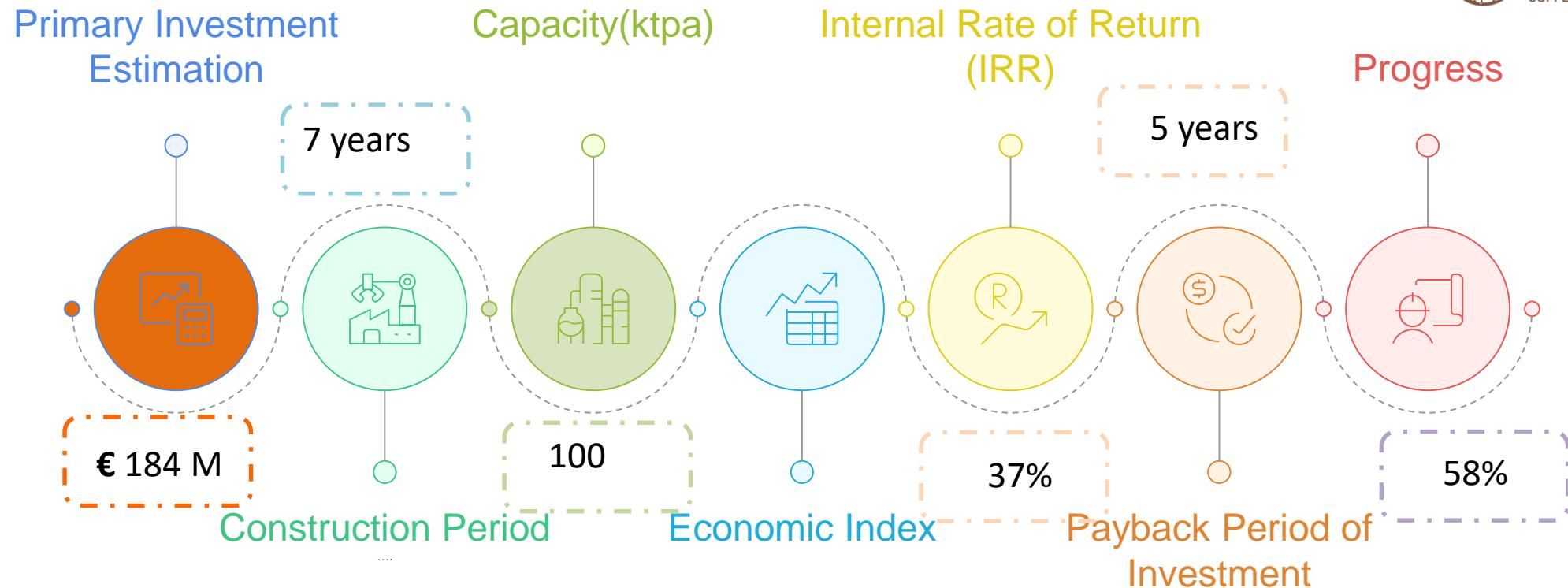
Sarcheshmeh Concentrator, Phase 3,4



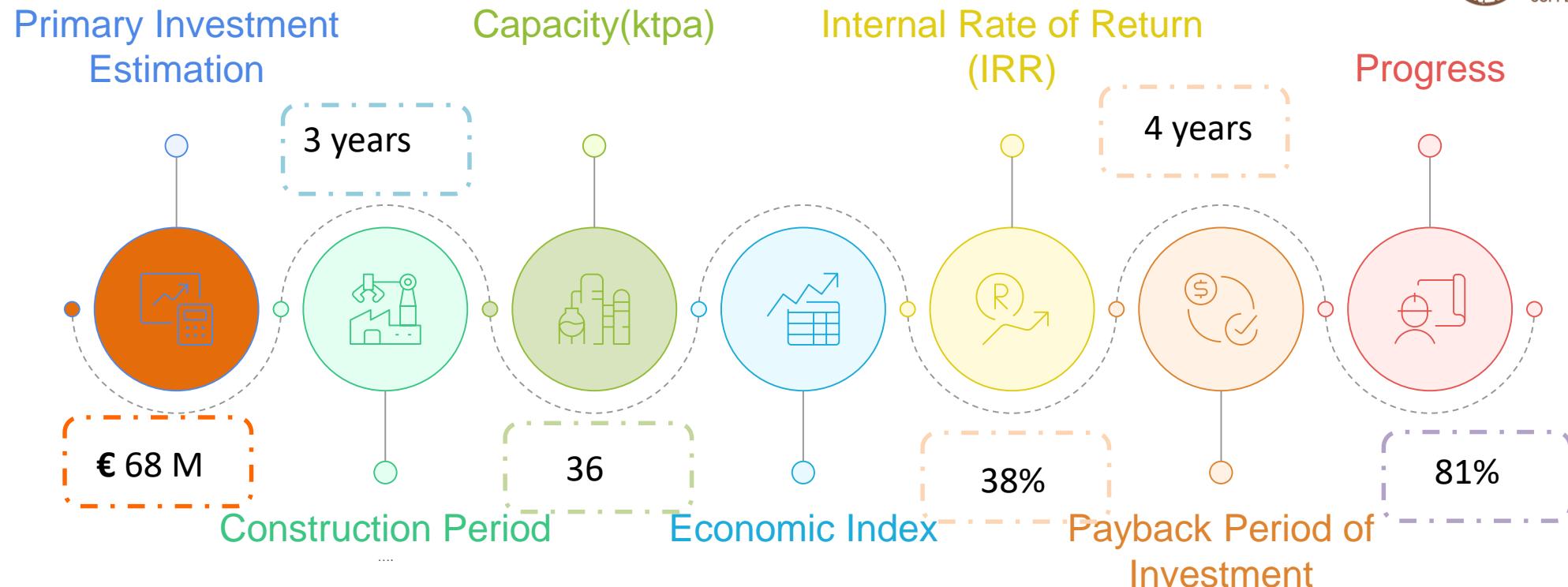
Casting plant(copper Wire rod)



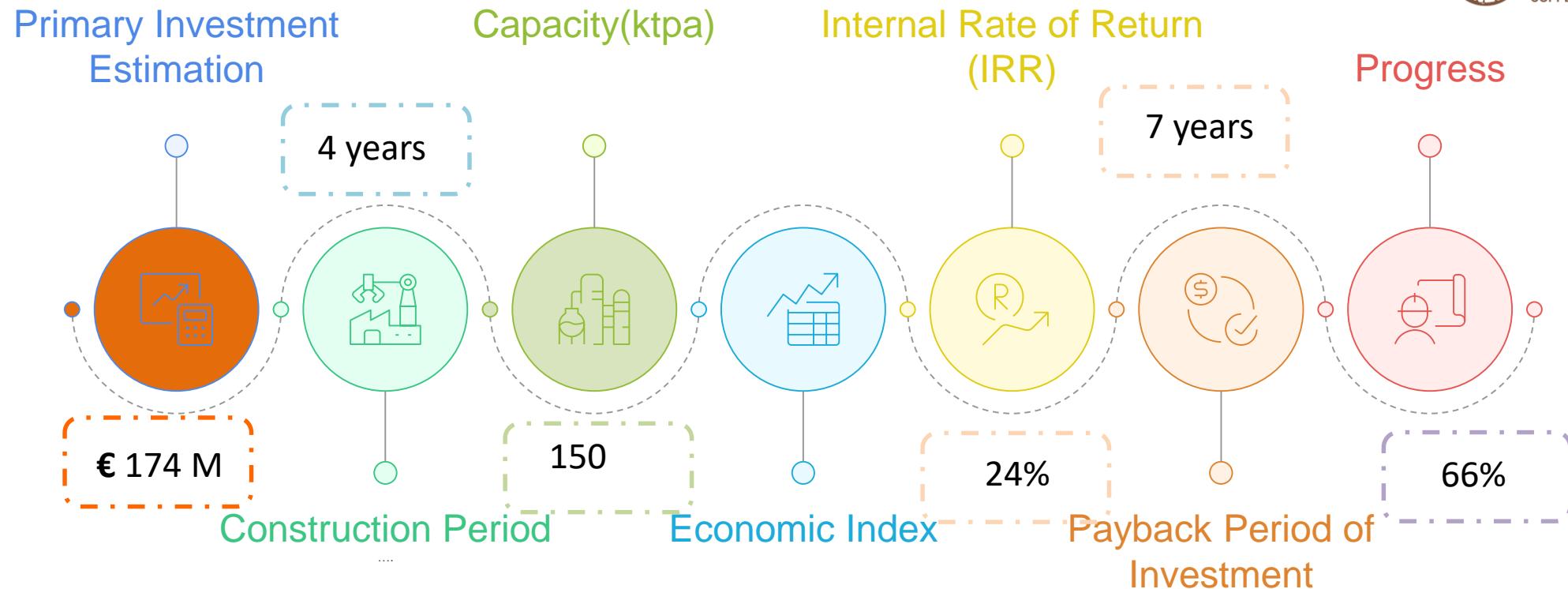
Chahfiroozeh Concentrator



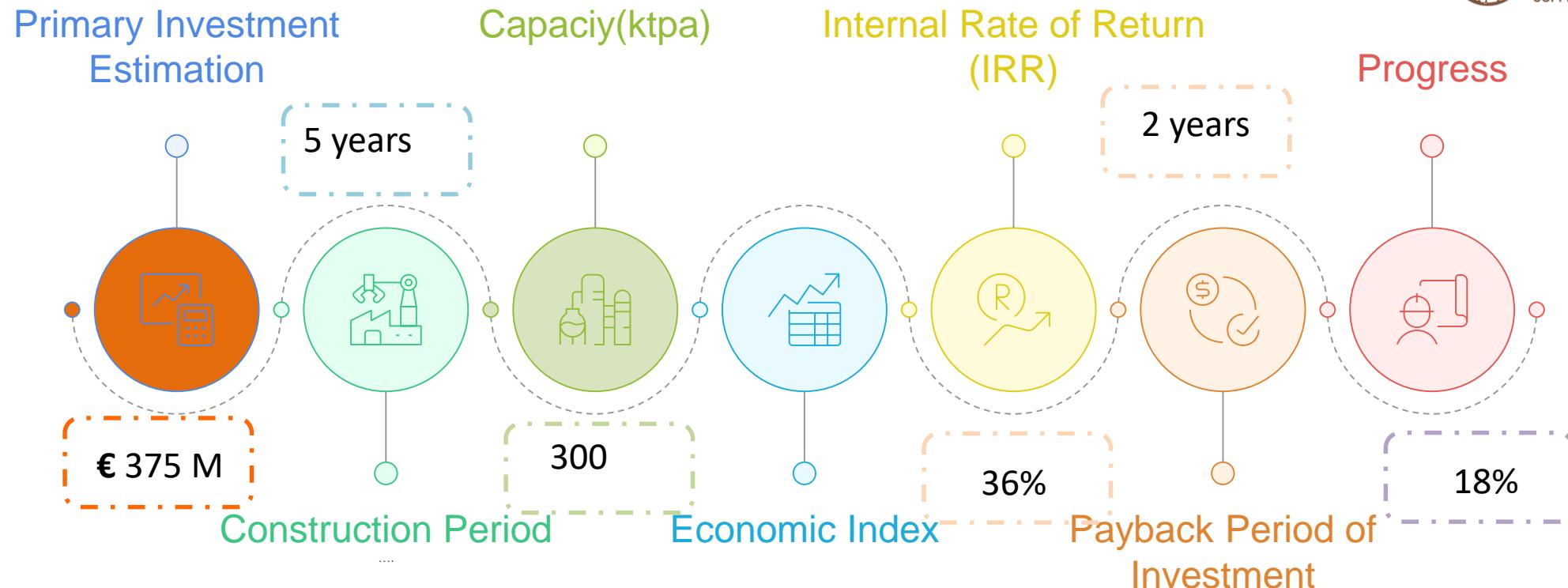
Khatoon Abad slag flotation



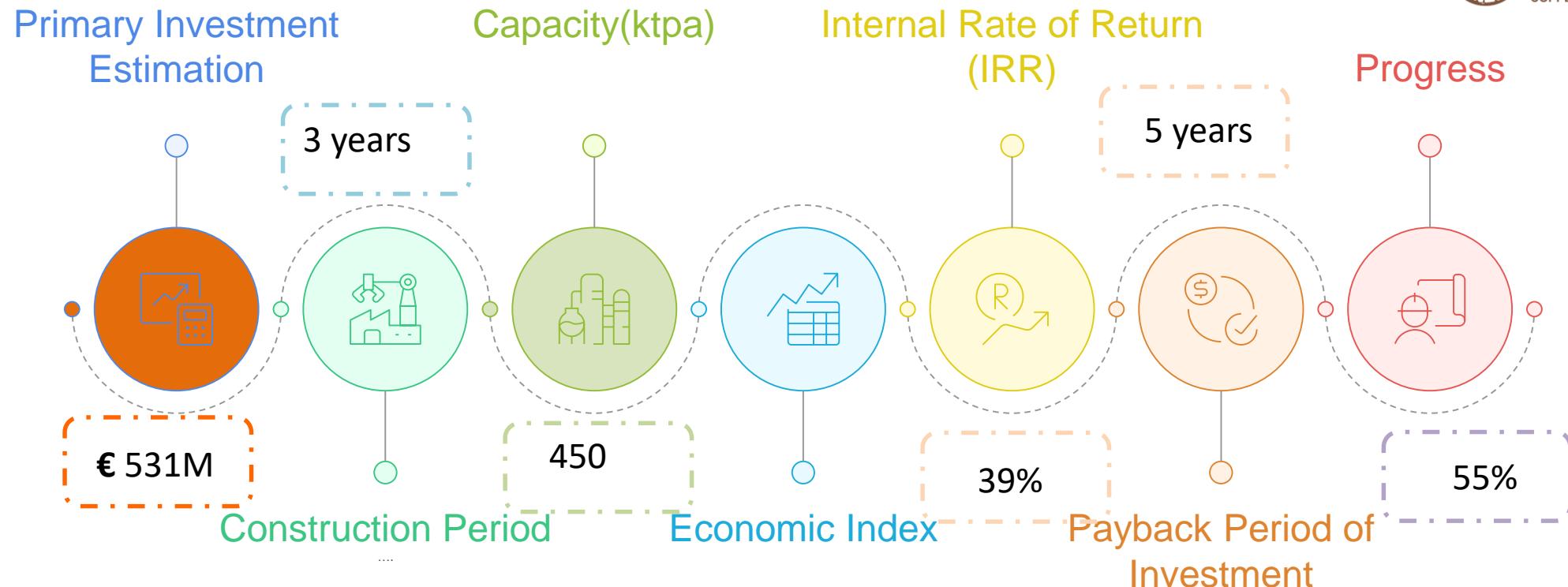
Mydok Concentrator, Phase2



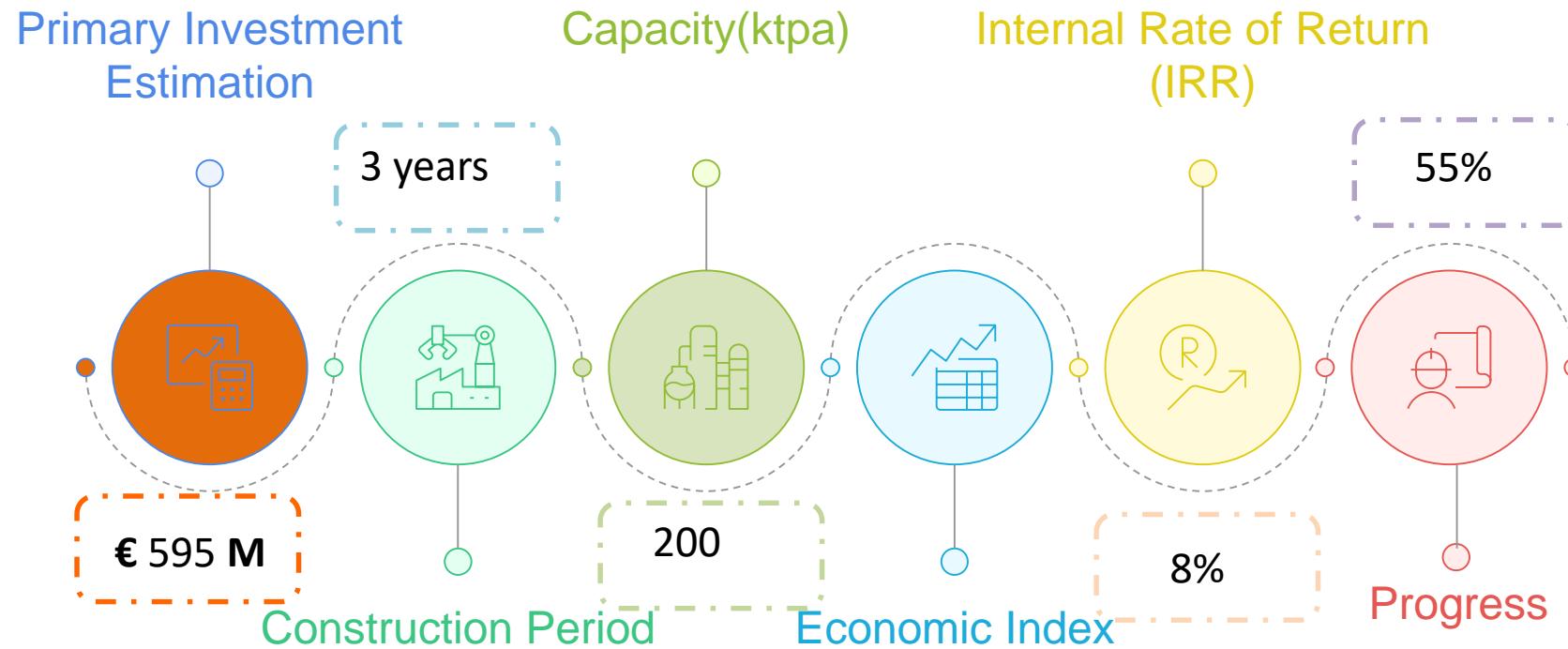
Mydok Concentrator, Phase3



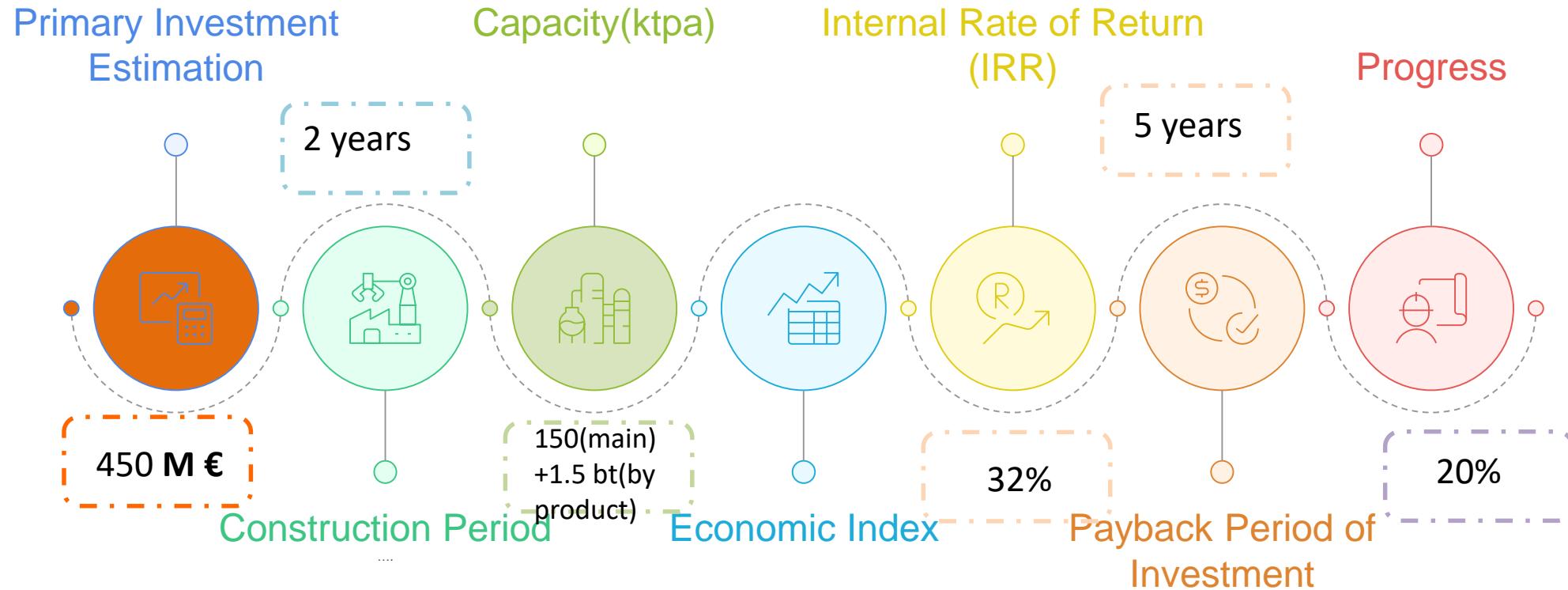
Sungun Concentrator, Phase3



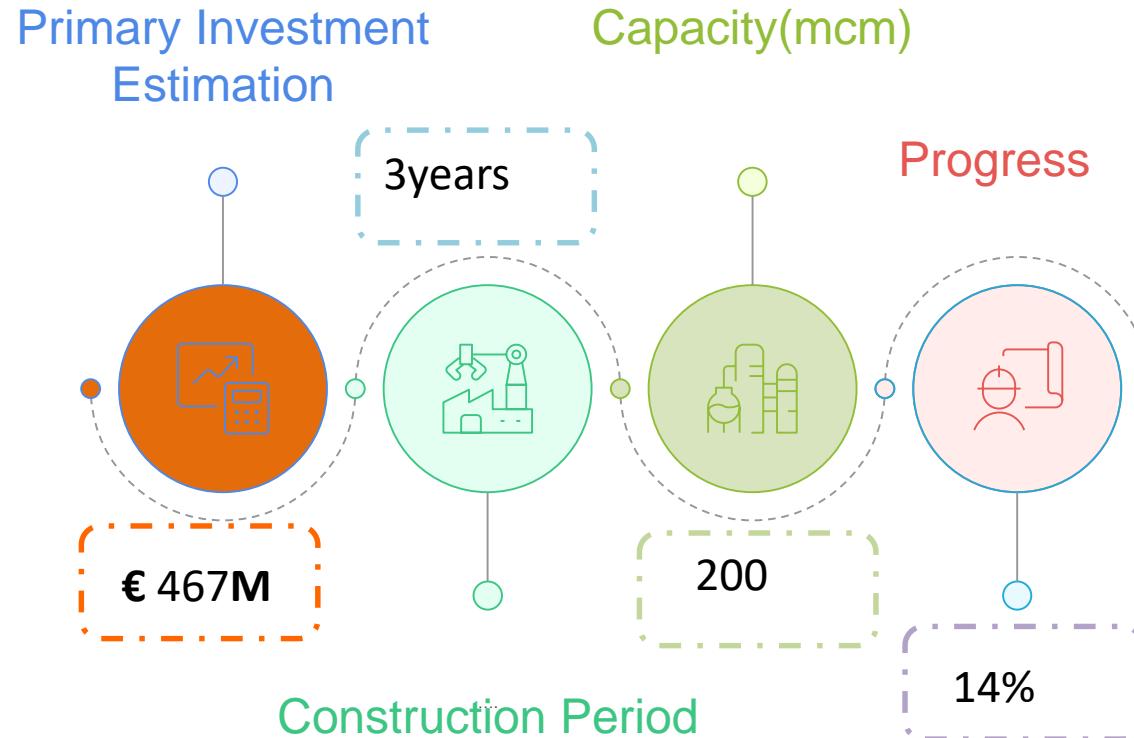
Sungun smelting and refining plant phase1



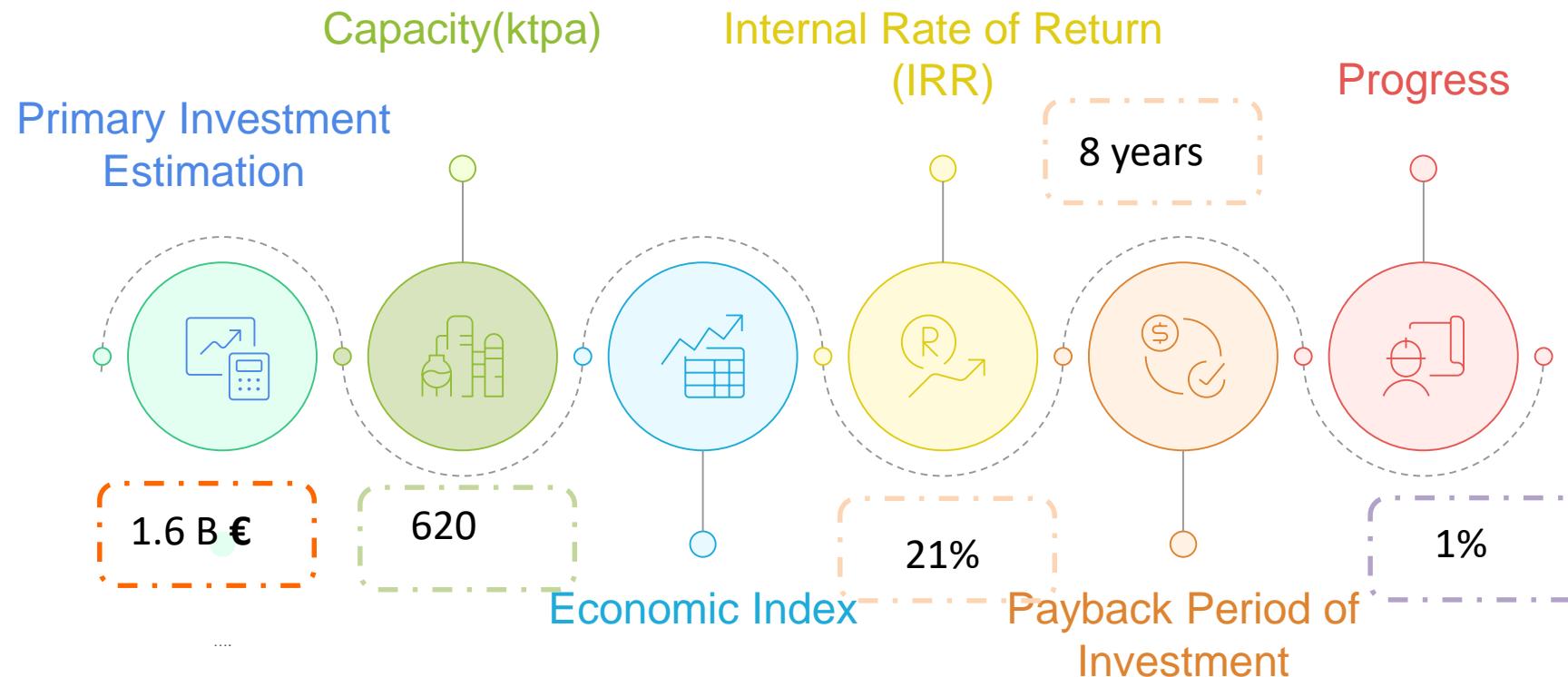
Phosphoric acid and by-product



Water transfer from the Persian Gulf to the Sarcheshmeh Copper Complex



Sereydoun Concentrator, Phase 1,2





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Investment Opportunity

Projects positioned for Financing

Structured for strategic capital and long term partnerships



Sarcheshmeh Phase 3 & 4 Concentration

A large-scale concentrator expansion project aimed at unlocking the full value of Sarcheshmeh's extensive resource base through higher throughput, improved recovery, and sustained production growth.

Objective:

- The objective of this project is to expand concentrator capacity in line with the long-term resource base of Sarcheshmeh, ensuring sustained throughput growth and full monetization of existing reserves.

Financial Index:

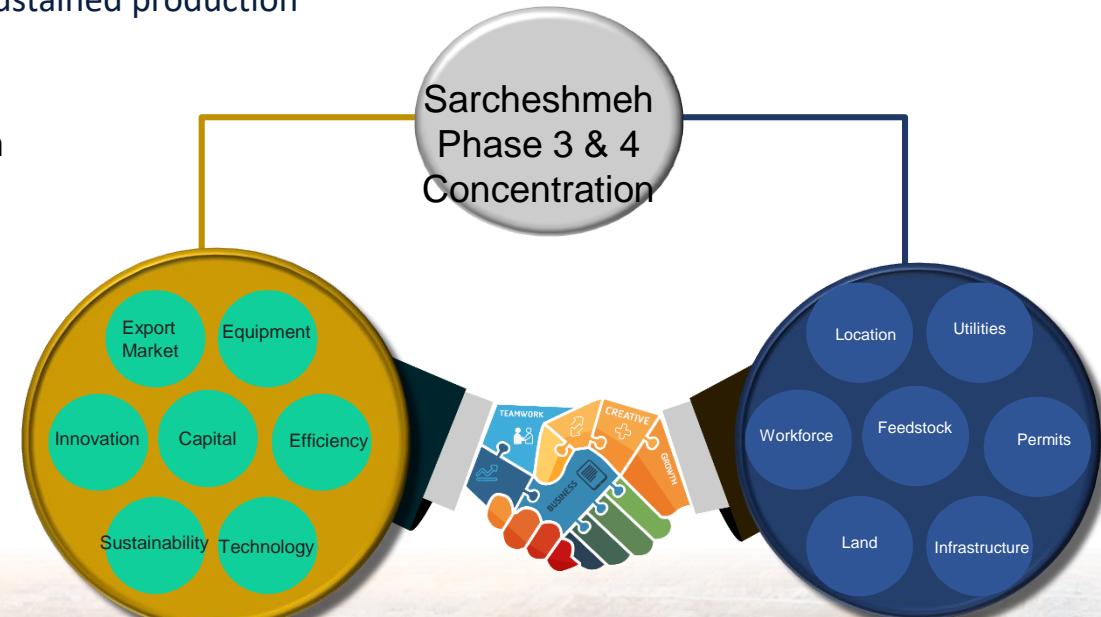
- CAPEX: ~1.63 B€ | IRR: ~24% | Payback: ~6 years | NPV: 2.1 B€ (10% discount)

Production:

- Copper concentrate: 676 (ktpy)
- Molybdenum: 6 (ktpy)

Strategic Advantage:

- By increasing processing capacity, the project unlocks economies of scale, reduces unit costs, and strengthens NICICO's ability to respond to market demand. It reinforces Sarcheshmeh's role as a flagship copper production hub and supports long-term production stability.



Note: The capex includes machinery, equipment, utilities, pre-commissioning, commissioning costs, construction and technical knowledge.

Projects positioned for Financing Structured for strategic capital and long term partnerships



Sereydoun Phase 1 Concentration

A greenfield concentrator development to unlock the Sereydoun ore body and establish a new regional production hub, supporting long-term portfolio growth and asset diversification.

Objective:

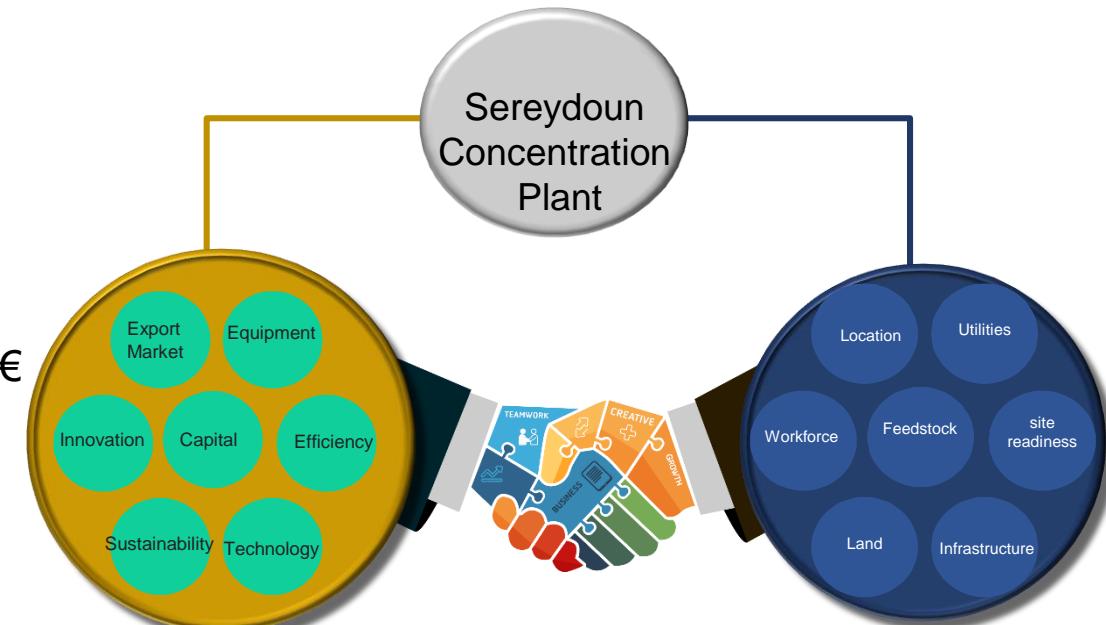
- The objective is to develop a new concentrator to unlock the Sereydoun ore body and establish a new production center supporting regional growth
- **Financial Index:**
- CAPEX: ~1.68B€ | IRR: ~21% | Payback: ~8 years | NPV: 1.2 b€ (10% discount)

Production:

- Copper Concentration: 270 (ktpy)

Strategic Advantage:

- This project expands NICICO's production footprint, improves reserve utilization, and supports long-term growth. Strategically, it diversifies asset base and reduces concentration risk.



Note: The capex includes machinery, equipment, utilities, pre-commissioning, commissioning costs, construction and technical knowledge.

Projects positioned for Financing Structured for strategic capital and long term partnerships



Sungun Phase 4 Concentration

A further concentrator expansion project to scale up Sungun's processing capacity, enhance economies of scale, and reinforce its strategic role within NICICO's production portfolio.

Objective:

- The objective is to further expand Sungun's concentrator capacity to match resource potential and sustain production growth.

Financial Index:

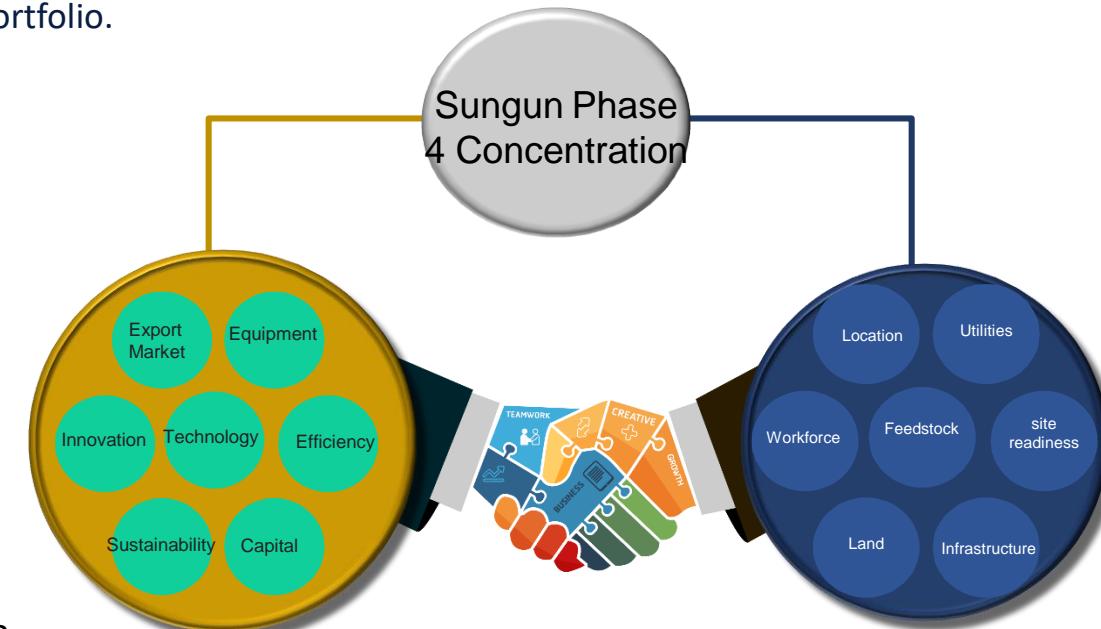
- CAPEX: ~1.27B€ | IRR: ~27% | Payback: ~6 years | NPV: 1.1 B€ (10% discount)

Production:

- Copper concentration: 450 (ktpy)
- Molybdenum Concentrate: 4 (ktpy)

Strategic Advantage:

- Phase 4 delivers scale benefits, lowers unit processing costs, and reinforces Sungun's strategic position within NICICO's portfolio.



Note: The capex includes machinery, equipment, utilities, pre-commissioning, commissioning costs, construction and technical knowledge.

Projects positioned for Financing

Structured for strategic capital and long term partnerships



Miduk Concentrator development project-Phase 3

A brownfield concentrator expansion project designed to unlock additional value from the Miduk ore body by increasing processing capacity, improving recovery, and enhancing operational efficiency within an established mining complex.

Objective:

- To expand concentrator capacity at Miduk with the mine's resource potential, ensuring sustained production growth while leveraging existing infrastructure to deliver a cost-efficient and low-risk capacity increase.

Financial Index:

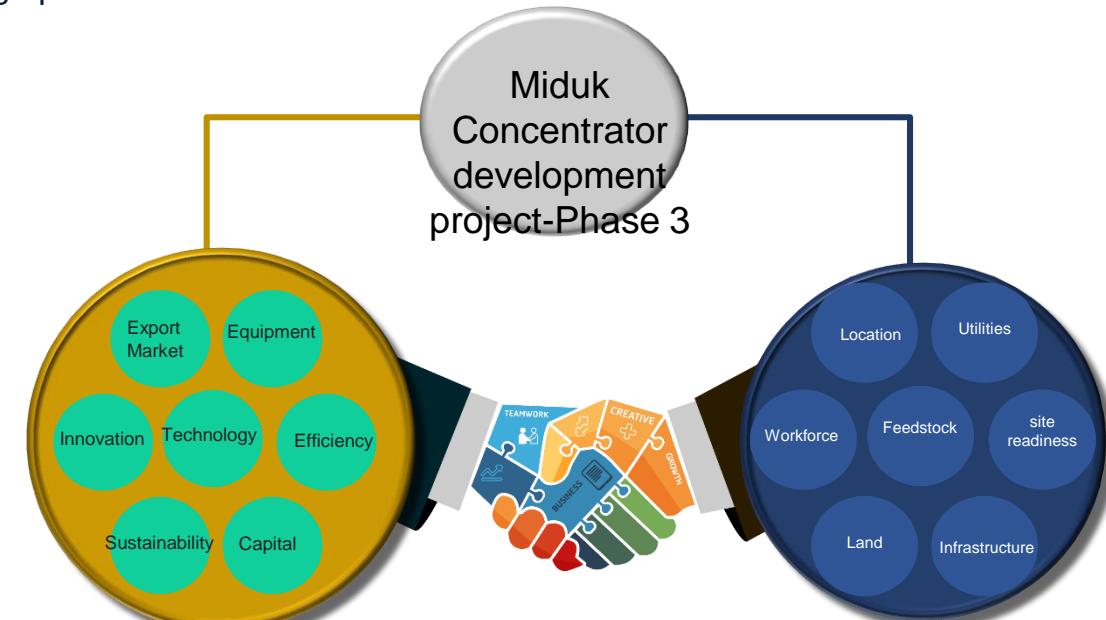
- CAPEX: 375 M€ | IRR: ~36% | Payback: ~2 years | NPV: 635 M€ (10% discount)

Production:

- Copper concentration: 300 (ktpy)

Strategic Advantage:

- Phase 3 delivers incremental throughput with limited execution risk by building on an operating site and proven process flows. The project maximizes reserve utilization, and reinforces Miduk's role as a stable contributor to NICICO's long-term copper production portfolio.



Note: The capex includes machinery, equipment, utilities, pre-commissioning, commissioning costs, construction and technical knowledge.

Projects positioned for Financing Structured for strategic capital and long term partnerships



Khatoonabad Smelter Expansion (120 → 200 kt)

A downstream capacity expansion project to enhance smelting capability, improve value capture, and strengthen supply chain control across NICICO's copper production.

Objective:

- The objective is to expand smelting capacity at Khatoonabad to better align upstream concentrate production with downstream processing capabilities and reduce reliance on third-party smelters.

Financial Index:

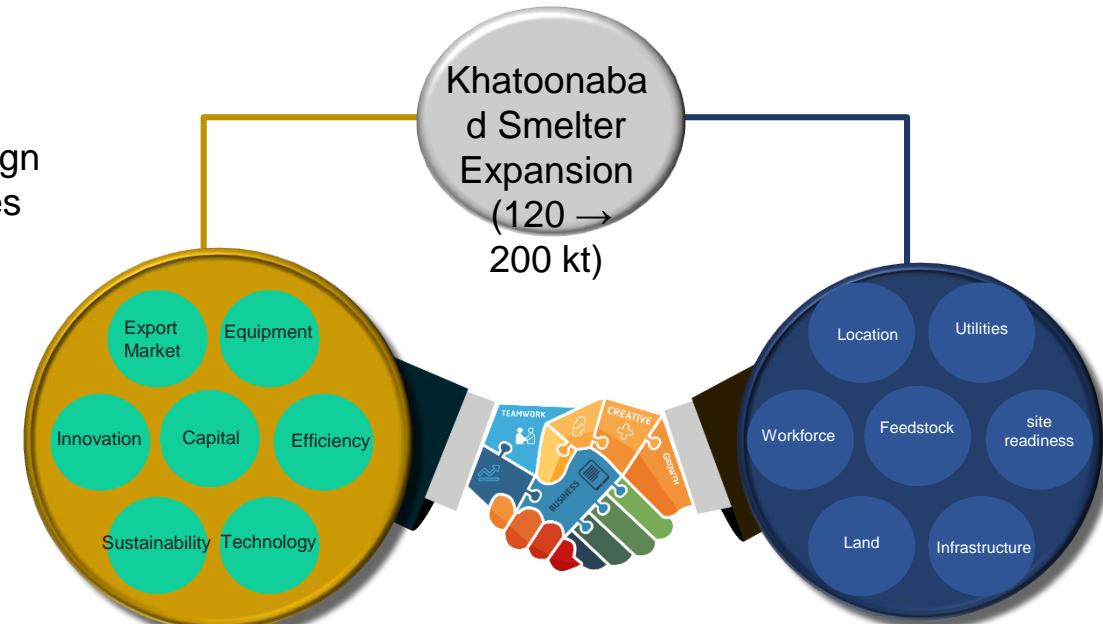
- CAPEX: ~157M€ | IRR: ~16% | Payback: ~8 years | NPV: -30 M€ (20% discount)

Production:

- Copper Cathode: 200 (ktpy)

Strategic Advantage:

- This expansion increases downstream value capture, improves smelting efficiency, and enhances operational flexibility. Strategically, it strengthens supply chain control and improves margins through higher internal processing.



Note: The capex includes machinery, equipment, utilities, pre-commissioning, commissioning costs, construction and technical knowledge.

Projects positioned for Financing Structured for strategic capital and long term partnerships



Chabahar Copper Industrial Park

Recently, we have designed a plan to develop a copper industrial park in the Chabahar region. Its features are as follows, and it can be an opportunity to attract foreign investment.

Objective:

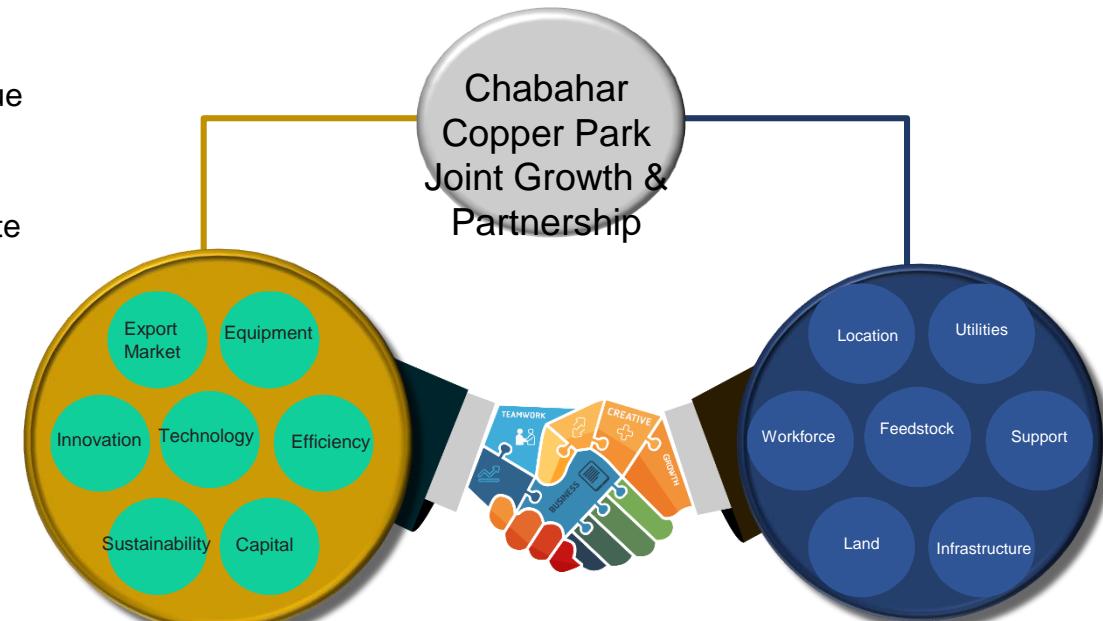
- Establish a Copper Industrial Park in Chabahar, focusing on the complete copper value chain.

Key Proposal:

- Copper Feed Guarantee: NICICO guarantees sustainable supply of copper concentrate feedstock.
- Investment Scope: Smelting, refining, sulfuric acid, and downstream processing units.
- Equity Structure: NICICO 49% / Investor 51%.
- Technology & Expertise: Investor provides technical know-how and process design.
- NICICO Commitments: Land, infrastructure, utilities, skilled workforce, and regulatory support.

Strategic Advantage:

- Access to Chabahar Port – gateway to global markets.
- Guaranteed raw material and local support from NICICO.
- Strong potential for regional and export-oriented growth.



Note: The capex includes machinery, equipment, utilities, pre-commissioning, commissioning costs, construction and technical knowledge.

Projects positioned for Financing

Structured for strategic capital and long term partnerships



Phosphoric Acid & By-products

A value diversification project focused on monetizing sulfuric acid streams and by-products, creating a new chemical revenue platform while improving overall complex economics.

Objective:

- The objective is to convert sulfuric acid streams into higher-value chemical products, diversifying revenue sources and improving by-product monetization.

Financial Index:

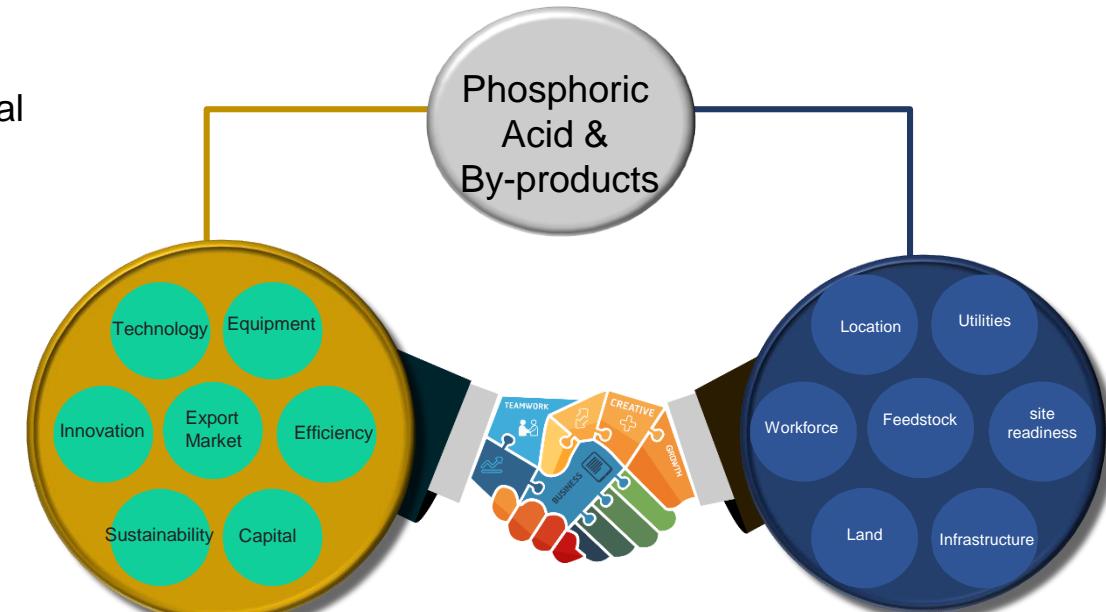
- CAPEX: ~450M€ | IRR: ~32% | Payback: ~5 years | NPV: 270 M€ (10% discount)

Production:

- Phosphoric Acid(Feed Grade): 150 (ktpy)
- Phosphoric Acid(Merchant grade): 210 (ktpy)
- Phosphogypsum(By-product):1.3 (mtpy)
- MAP (99.9% purity): 20 (ktpy)

Strategic Advantage:

- The project creates a new revenue stream with strong margins, reduces waste, and improves overall complex economics. Strategically, it enhances margin stability, diversification and overall complex economics.



Note: The capex includes machinery, equipment, utilities, pre-commissioning, commissioning costs, construction and technical knowledge.

Projects positioned for Financing Structured for strategic capital and long term partnerships



IPCC

A transformational mining infrastructure project designed to replace truck-based with a continuous crushing and conveying system, delivering long-term cost leadership, operational stability, and ESG performance improvement.

Objective:

- The objective of the IPCC project is to structurally transform the mining system at Sarcheshmeh by shifting from truck-based haulage to a continuous crushing and conveying model. This transition aims to achieve long-term cost leadership, operational stability, and alignment with NICICO's decarbonization and digital mining strategy.

Financial Index:

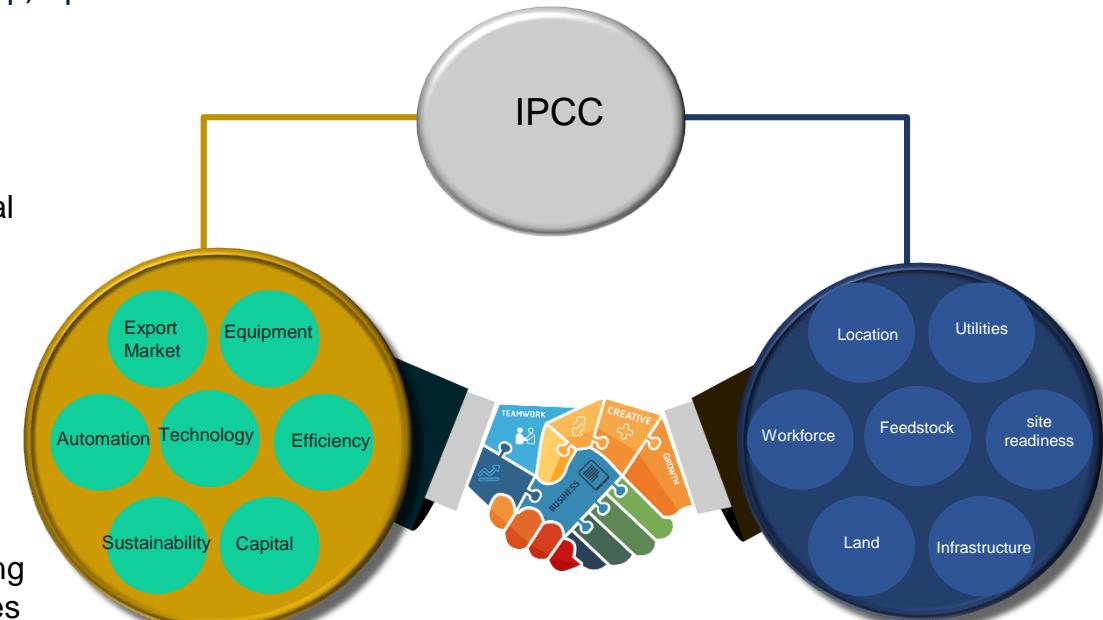
- CAPEX: ~260M€ | IRR: ~31% | Payback: ~6 years | NPV: 406 M€ (10% discount)

Capacity:

- 36 mtpy ore
- 50 mtpy waste

Strategic Advantage:

- The IPCC project delivers a step-change in operating efficiency by significantly reducing fuel, maintenance, and labor costs. It lowers exposure to diesel price volatility, improves safety, and establishes a scalable platform for automation and AI-enabled mining. Strategically, it enhances asset value and extends mine life economics while strengthening NICICO's ESG profile.



Note: The capex includes machinery, equipment, utilities, pre-commissioning, commissioning costs, construction and technical knowledge.

NICICO Digital Transformation



Digital transformation is not an option; It's a strategic necessity

NICICO's smart strategy covers the entire copper value chain—from exploration and mining to processing, logistics, and sales. The goal is to use tools like AI, data analytics, machine learning, and advanced automation to improve performance and become a national example for green production.

Transformation Strategy in NICICO, including the following two parts:

Modernizing Existing Facilities with Industry 3.0 Automation

In older complexes like Sarcheshmeh and Shahrebabak, the age and size of the current infrastructure make immediate Industry 4.0 implementation difficult. Therefore, the focus is on the following practical, step-by-step upgrades. These improvements increase productivity, reduce downtime, and prepare the facilities for future digital technologies.



Designing New Projects with a Smart Foundation

Digitalization and the use of artificial intelligence have been included from the early design stages. This approach helps create modern and smart infrastructures that improve data analysis, decision-making, and process efficiency. Accordingly, NICICO has made major steps toward digitalization through:





NICICO
NATIONAL IRANIAN
COPPER INDUSTRIES CO.

NICICO Technology Development



NICICO Innovation Ecosystem

NICICO has one of the most complete innovation development systems among major mining companies in Iran. The company's innovation development processes are as follows:



Results of process implementation:

- Productivity Improvement
- Value Added Improvement
- Production Process Optimization
- Innovative projects are upgraded by Innovation Center and then handed over to the CVC fund to attract capital.

Area of Technology Developments

Currently, the technologies used at NICICO are similar to those in use today. However, based on conducted studies, the technology development areas planned for NICICO to improve productivity, lower environmental risks, and reduce costs are as follows:

Technologies based on digital transformation and smart production processes in the **copper value chain**

Using modern technologies in the exploration and extraction of **deep reserves**

Applying modern technologies in the extraction of **low-grade reserves and wastes**

Applying new technologies to **reduce water and energy** consumption in the extraction process of copper and associated valuable elements

Development of circular economy technology and **recycling of waste and slag**

Developing **zero-carbon** technologies and reducing safety and environmental risks



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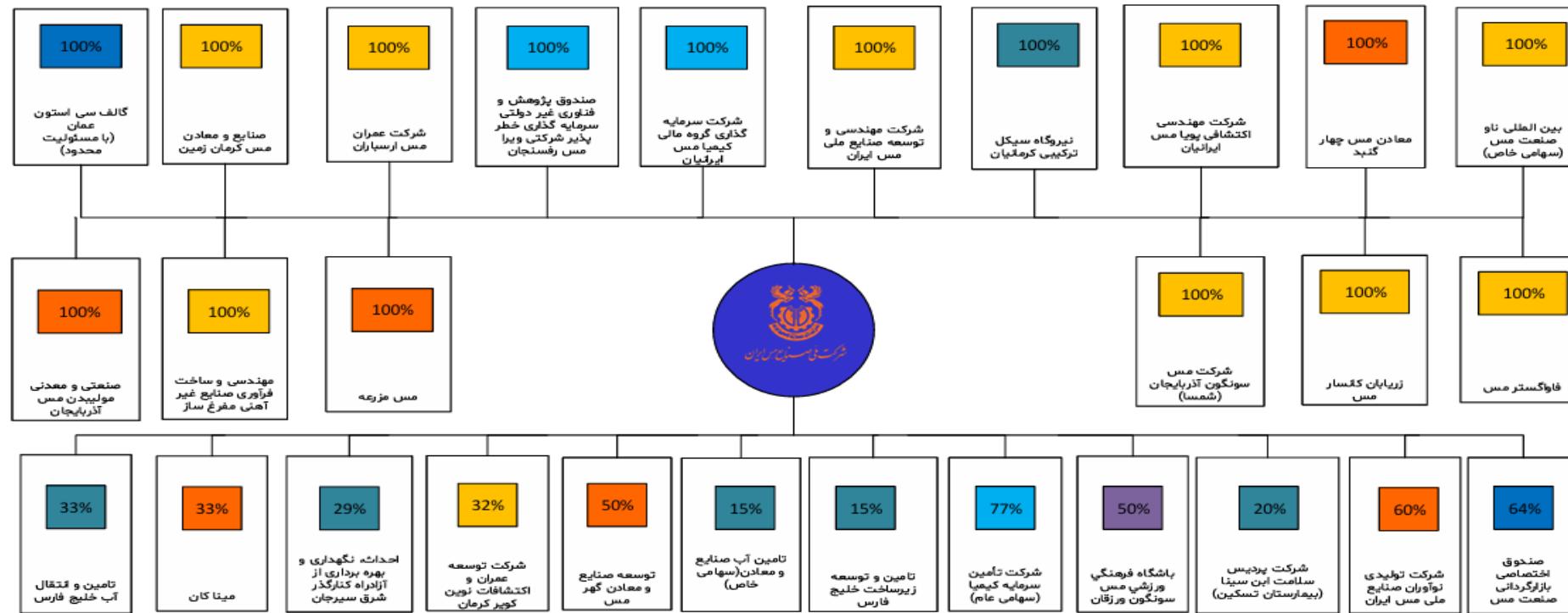
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پرتفوی شرکت های فرعی و وابسته شرکت ملی صنایع مس ایران



درصد توزیع شرکت ها براساس نوع فعالیت

