

RoNaK Engineering Group

Designer, Consultant, Executor, and Contractor
of Industrial Projects

Spring - 2025
www.ronakco.com



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RoNaK Short Introduction

30 years
of the founders' experience



The company has primarily focused on engineering activities and services related to mineral processing and industrial projects in the following fields:

EPCM
(Engineering, Procurement and Construction Management)
Engineering and Procurement (EP)
Designing (Conceptual, Basic and Detail)
Procurement Engineering
Project Planning Management of Contracts (MC)
Feasibility Study
Consultancy
Inspection
Quality Control

Since its inception in February 2013, RoNaK has built its success on the proven expertise of its founders and key managers, whose decades of industrial experience continue to drive innovation and excellence.



Our Projects

Crushing and Sizing Plants

Enrichment Plants

Grinding Plants,

Flotation Systems

Gravity Separation Systems (Including Heavy Media, Spirals, Shaker, Jigs, Floats, and Sinks, ...)

Drying, Regrinding for Blain Increasing (in pelletizing plants)

Pelletizing Plant

Tail and Concentrate De-Watering Plants

Material Handling Systems (Bulk and Slurry)

Train and Truck Loading and Un-loading Systems

Stacking and Re-Claiming Systems

In Pit Crushing and Conveying (IPCC)

Continues Mining



Mineral Processing Industries

Iron Ore Beneficiation Plants
Concentrate Recovery from Tail of Existing Beneficiation Plants
Copper Concentrate Plants
Coal Washing Plants
Pelletizing Plants
Lead and Zinc Concentrate Plants
Molybdenum Concentrate Plants
DRI Plants
Ferro Alloys Plant
Magnesium Production Plant
Gold Process

Future Markets

Rare Earth Elements
Titanium Process
Vermiculite Process
FGT and Environmental Protection Projects
Other Industrial plants

Scope of Works

Consulting & Supervision

Preparing
Tender Master

Tendering

Consulting

Supervision,
Inspection and QC

Design & Engineering

Basic &
Conceptual Design

Detailed Design

Optimization

Procurement
Engineering

Project Management

Contract
Supervision

Planning,
Monitoring
& Control

Procurement

Quality Control

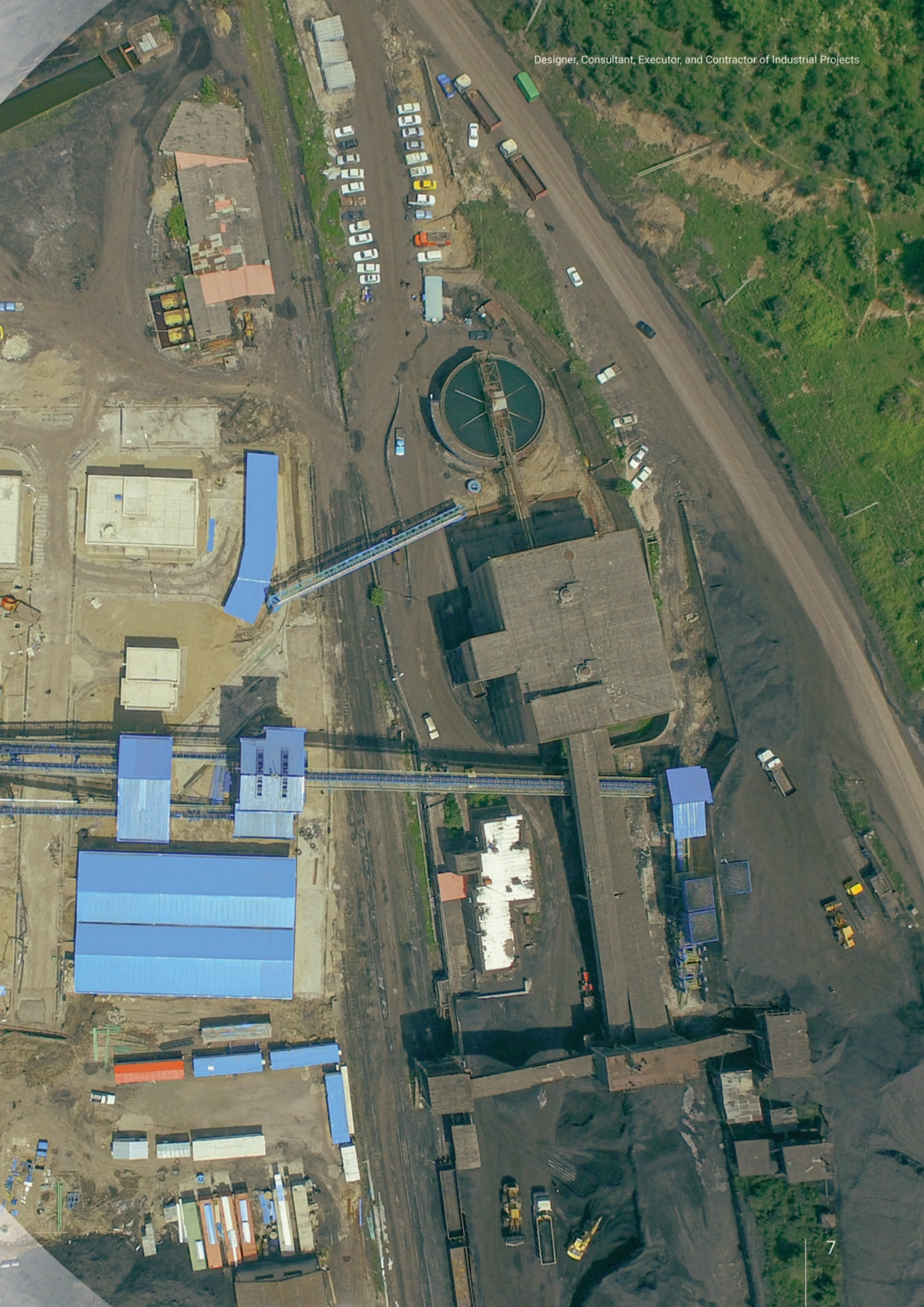
Supply
Management

Project Execution

Execution
Management

Execution
Supervision

In line with its objectives and capabilities, RoNaK has successfully secured numerous projects in the mineral processing and metal industries, encompassing a broad range of engineering, procurement, and construction activities.



Mineral Processing & Metal Industries



Iron Ore and Steel Making

Magnetite Ore Enrichment and Beneficiation
Hematite Ore Beneficiation
Magnetite Roasting
Pelletizing Plant
DRI Plant
Tunnel Kiln Plant

Non-Ferrous Flotation Leaching Pidgeon

Copper & Molybdenum
Gold & Silver
Zinc & Lead
Magnesium
Chromite

Non-Metallic Minerals

Coal Washing
Coking
Mineral Salts
Lime and Dolomite

Ferroalloys

Ferrosilicon (FeSi)
Ferromolybdenum (FeMo)
Ferromanganese (FeMn)
Silicomanganese (SiMn)
Ferrochrome (FeCr)



Bulk Material Handling Systems

Conveyors
Stacking Systems
Reclaiming Systems
Truck and Train Loading & Unloading Systems

IPCC Systems

Spreader
Excavators
In-Pit Crushers
Movable Conveyors
Mobile & Semi Mobile Crushers

Tailing Recovery

All Fields

Water Recovery

From Concentrate Slurry
From Waste and Tail Slurry

Plant Optimization

All Fields

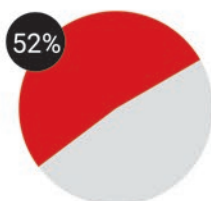
Manpower

Composition of manpower based on education and work experience

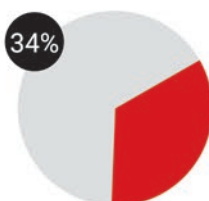
RoNaK Engineering Group currently (Spring 2025) has 175 full-time employees, whose composition is as follows based on their education level and work experience:



Education Level



Master of Science and PhD



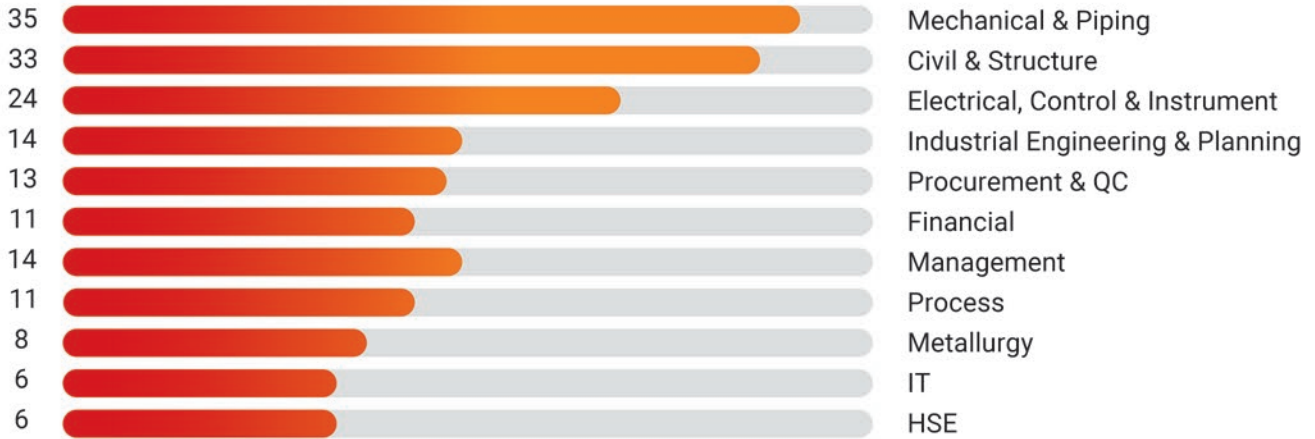
Bachelor and Engineer



Diploma and Associate Degree



RoNaK full-time manpower distribution chart by departments



RoNaK, according to its operational needs, leverages the support of approximately 50 part-time experts and collaborates with 10 specialized design and engineering companies across various departments including civil and construction, electrical, instrumentation and control, piping, and material handling as its outsource team. This approach allows RoNaK to flexibly meet its commitments and project requirements by integrating expert external resources alongside its internal capabilities.



RoNaK
Engineering
Group

Project Profile

Iron Ore Processing Plant

Summary of RoNaK Engineering Company Projects in Field Of Iron Ore Processing Plant

No.	Project Description	Client	Feed Capacity	Product Capacity	RoNaK Part
1	Implimentation of Zarand Aria Jonoob Concentrate plant (Araia Hadid & Aria jonoob Iranian Iron Ore Concentrate plant)	Aria Jonoob Iranian	600,000	250,000	
2	Concentrate Production From Different Iron ore Mines in Kerman Province (No 1 Hamdeli Iron ore concentration plant)	Ghete Saze Sirjan Co.	400,000	250,000	
3	Iron ore concentrate production plant from Esmaloon 2 placer deposits (Esmaloon Iron ore concentration plant No 2)	Aria Jonoob Iranian	650,000	400,000	
4	Capacity increasing and concentrate quality enhancement of Gole-e-Gohar Iron concentrate plant line 4 (enhancement of line 4)	Golgohar	4,500,000	2,650,000	
5	Iron ore concentrate production from hematite ore in Tang Zagh mine in Haji Abad (Tange Zagh Concentrate plant No. 1)	Tossee va Faravari Ahan Tang Zagh	300,000	130,000	
6	Iron ore concentrate production Plant from Rezvan hematite Mine in Hormozgan (Padideh kavosh hematite Concentrate plant)	Padideh kavosh Iranian	2,000,000	920,000	
7	Iron ore concentrate production plant from Sama Placer Deposit in Yazd Esmaloon Complex (Esmaloon Iron ore concentration plant No 3)	Minaye Kavir Sama	1,450,000	650,000	
8	Iron ore concentrate production from different iron ore deposit in PASCO Steel Co. in koar, Near Shiraz City (Pasargad Concentrate plant)	Foolad Sanat Dara	5,300,000	3,400,000	
9	Iron ore concentrate production from different iron ore deposit in PASCO Steel Co. in koar, Near Shiraz City (Pasargad Concentrate plant)	Foolad Sanat Dara	2,000,000	1,000,000	
10	Dry pre-enrichment of iron Ore from Sama Placer Deposits in Yazd Esmaloon Complex	Minaye Kavir Sama	11,000,000	1,500,000	
11	Iron ore concentrate production from Se Rahan Badrood and other iron ore deposit in Badrood industrial park (Akam Kani Concentrate plant No1)	Akam Kani Pouya	1,300,000	650,000	
12	Iron Ore Concentrate plant In Bahabad Complex	Fakoor Sanat Tehran Engineering Co.	2,000,000	1,300,000	
13	Iron Ore Concentrate Plant in Karauzyak Area (Uzbekistan)	Enter Engineering Co.	17,000,000	5,000,000	
14	Galali 2.5 MT/Y Iron Ore Concentrate Plant	SabaNour	5,200,000	2,500,000	
15	Modification and Capacity Increasing of Sama Lines (Ismaloon 2&3) Iron Concentrate Plant	Minaye Kavir Sama	L2: 1,700,000 L3: 3,500,000	L2: 700,000 L3: 1,382,000	
16	Consulting, Design and Supervision of Renovation and Revaming of the Iron Concentrate and Pelletizing Plant	SabaNour	600,000 ton - in Hamedan 1,000,000 ton - in Shahrak		
17	Kohbaba Iron Ore Concentrate Plant	Sang Ahan Koohbaba	3,000,000	600,000	
18	Implementation of Zarand Concentrate Plant	Aria Jonoob Iranian	3,000,000	900,000	
19	Comprehensive Design (Concentrate, Pelletizing & Direct Reduction) and Implementation of Concentrate Plants (Phase 1) for ARSCO	Ardakan Steel Complex Co.	1.5 Mt Concentrate 0.4 Mt Concentrate 3.2 ton Pellet - 1.6 Mt DRI		

Design
 Management
 Supply
 Construction
 Supervision

Pelletizing, Steel Making Plant & Ferroalloy

Summary of RoNaK & RoNaK Felezkar Projects in Field of Pelletizing, Steel Making Plant & Ferroalloy

No.	Project Description	Client	Capacity ton / year	RoNaK Part
1	Blaine increasing Of Iron concentrate in Foolad Sirjan Iranian Plant (SISCO Blaine increasing Plant)	Meyar Sanat Khavarmiyane Co.	25,000,000	
2	Blaine increasing Of Iron Concentrate in Bafgh Plant (Bafgh Blaine increasing Plant)	Azaran Co.	5,000,000	
3	Implementation of Kavian Gohar Sirjan palletizing Plant	Kavian Gohar Sirjan Co.	1,250,000	
4	Capacity Increasing and Product Enhancement Of Golgozar Palletizing plants No 1 & 2	Nazm Avaran Sanat & Golgozar Mine	7,000,000 for each line	
5	Material Handling System For Sangan Palletizing Plants No 1 & 2	Azaran Co.	5,000,000	
6	Ravar Tunnel Kiln Project	Momtazan Industrial Co.	100,000	
7	Magnesium Bar and Ferrosilicon Production Plant	MAGSITEC	12,000	
8	Implementation of Ferroalloy Plant for Golgozar Complex (ferromanganese & ferrosilicomanganese Production)	Kimia Gohar pars Co.	25,000 SilicoManganese 35,000 FerroManganese	
9	Implementation of Ferroalloy Plant for Golgozar Complex (ferromanganese & ferrosilicomanganese Production)	Kavyan Gohar Sirjan Co.	25,000 SilicoManganese 35,000 FerroManganese	
10	Consulting, Design and Supervision of Renovation and Revamping of the Iron Concentrate and Pelletizing Plant	SabaNour	550,000 ton Pellet in Hamedan	

 Design
  Management
  Supply
  Construction
  Supervision



Recovery Of Metals From Mining Waste and Tailing Dams

Summary of RoNaK Engineering Company Projects in Field Of Recovery Of Metals From Mining Waste and Tailing Dams

No.	Project Description	Client	Feed Capacity	Product Capacity	RoNaK Part
1	Iron Ore Recovery from Tailing of Jalal Abad Mine (Fakoor Jalal Abad Iron Ore concentrate)	Fakoor Sanat Tehran Co.	2,300,000	620,000	
2	Iron ore concentrate production from Dust of old iron Concentration plants of Gole-e-Gohar (Dust Processing plant)	Golgohar	2,200,000	1,300,000	
3	Iron ore concentrate production from dry and wet tailing of Gole-e-Gohar iron ore Concentrate plant (New hematite plant)	Kavian Gohar Sirjan Co.	3,700,000	1,900,000	
4	Capacity increasing and concentrate quality enhancement of Gole-e-Gohar Iron concentrate plant line 4 (enhancement of line 4)	Fakoor Sanat Tehran Co.	2,500,000	300,000	
5	Low-grade Iron Concentrate production from Tailing stream of Esmaloon Plant no.1	Aria Jonoob Iranian	250,000	35,000	
6	Low-grade Iron Concentrate production from Tailing stream of Esmaloon Plant no.2	Aria Jonoob Iranian	350,000	40,000	
7	Low-grade Iron Concentrate Production From Tailing Stream of Zarand Aria Jonoob Iranian Plant	Aria Jonoob Iranian	250,000	35,000	
8	Lead & Zinc Concentrate Production From Tailing Dams Of Shahin Sanat Co. plant in Lakan Complex (Fara Gohar Lead & Zinc Concentrate plant)	Fara Gohar Sanat Khavar Mianeh	150,000	2,300	
9	Tailings Dewatering Unit of the Ismaloon 2&3 Concentrate Plant	Aria Jonoob Iranian	3,250,000		

 Design
  Management
  Supply
  Construction
  Supervision



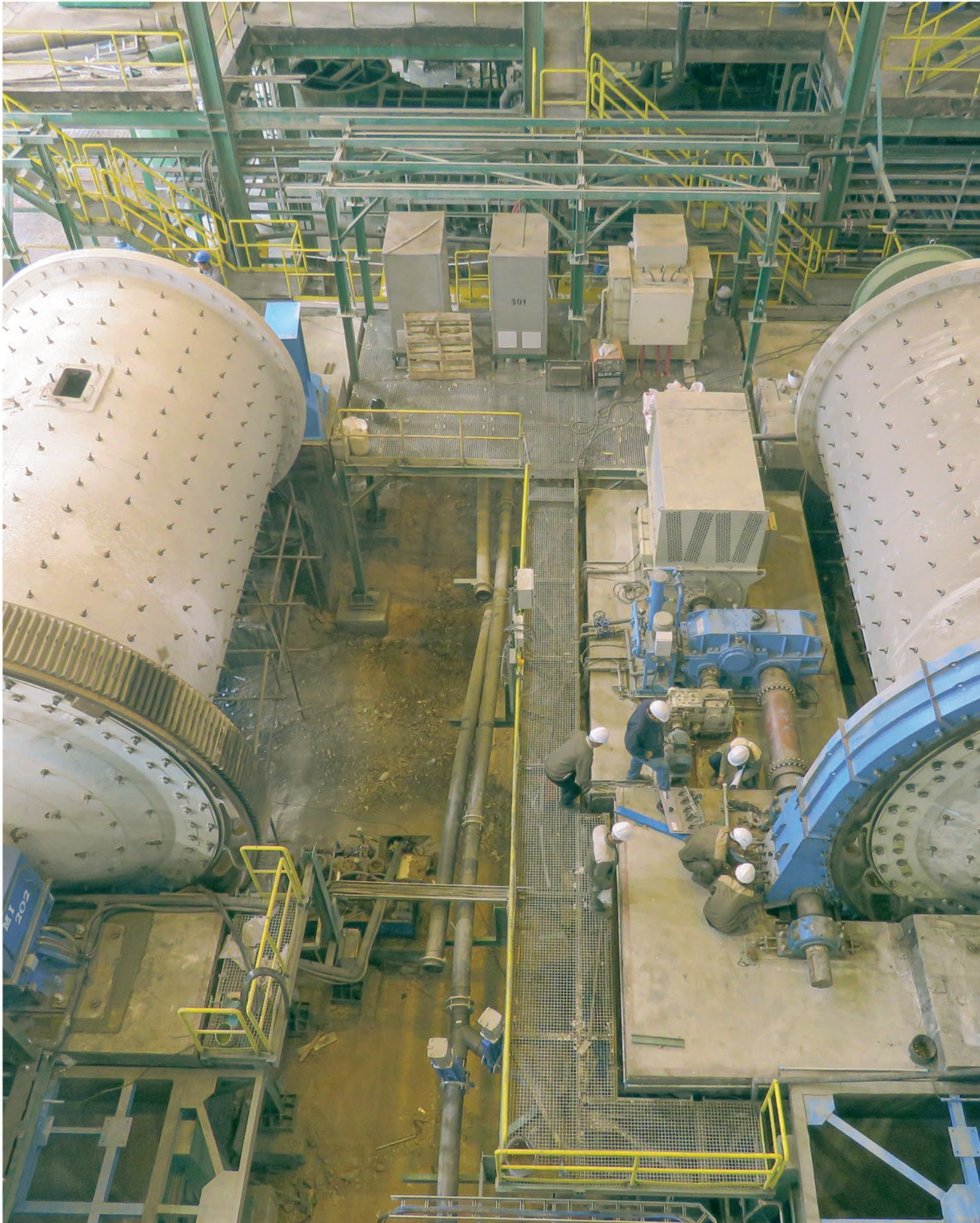
Non-Ferrous Mineral Processing Plant

Summary of RoNaK Engineering Company Projects in Field Of Non-Ferrous Mineral Processing Plant

No.	Project Description	Client	Feed Capacity	Product Capacity	RoNaK Part
1	Alborz Markazi Coal washing Plant (Zirab Coal Plant No 2)	Fakoor Sanat Tehran and Kavoshgaran Joint venture	500,000	350,000	
2	Copper Concentrate Production From Abbas Abad Copper Mines (Abbas Abad Copper Concentrat Plant No.1)	Meskavan Abbas Abad	350,000	5,500	
3	Lead and Zinc Concentrate production Plant from Yazd Taj koh mine (Taj Koh Concentrate Plant No.1)	Madan Ara Falat Aria (Aria Fateh Holding)	150,000	6,000	
4	Implementation of Molybdenum Concentrate Plant In Siah Kamar Copper Mine (Siah Kamar Plant No.1)	Aria Kansar Samin (Aria Fateh Holding)	500,000	350,000	
5	Copper Cathode Production Plant in Saveh (Rang raz Concentrate Plant No.1)	Zarmesh Group		2,500	
6	Implementation of Second Gyratory Crusher In Sarcheshmeh Copper Complex	IBCCO		7000 t/h	
7	Implementation of Darre Alou Preliminary Crushing Unit			1500 t/h	
8	Copper Ore Sorting and pre enrichment by XRT Methode in Abbas Abad Copper Mine	Meskavan Abbas Abad	500,000	350,000	
9	Implementation of New Lead and Zinc Benefication Plant in Mansour Abad Complex	Kani Faravaran Tehran (Aria Fateh Holding)	165,000	10,400	
10	Implementation of JANJA Gold Ingot Production Plant	Minaye Kavir Sama		1 ton of Gold Ingot	

 Design
  Management
  Supply
  Construction
  Supervision







Material Handling Systems

Summary of RoNaK & RoNaK Felezkar Projects in Field Of Material Handling Systems

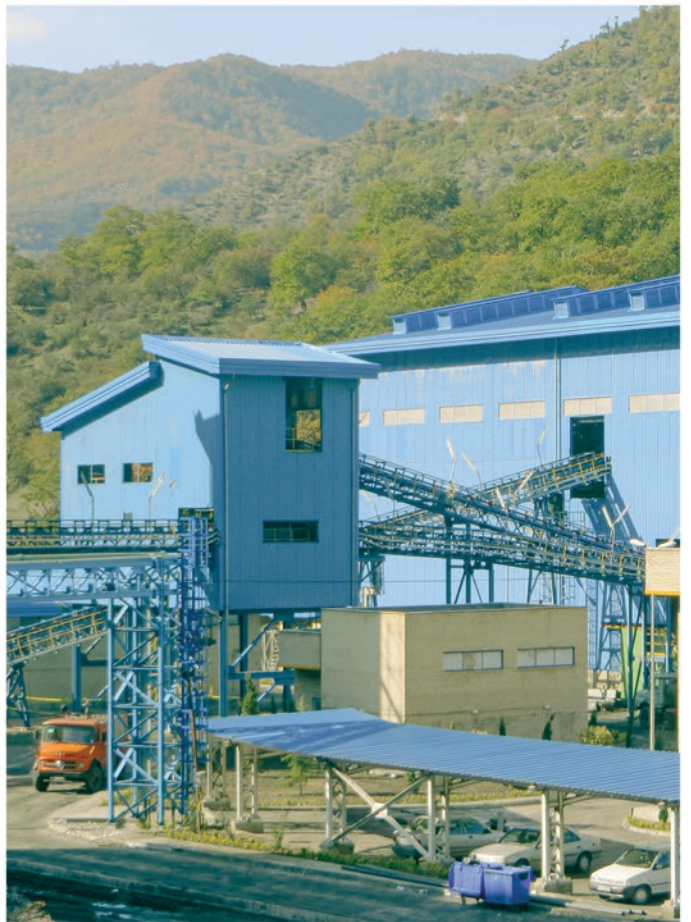
No.	Project Description	Client	Capacity ton / year	RoNaK Part
1	Stacker & Reclaimer and material handling For New Concentrate Stockpile of Chadormalou Complex	Chadormalou	5,000,000	
2	Train Loading Silo In Chadormalou Iron Ore Complex	Fakoor Sanat Tehran Co.	5000 t/h	
3	Material Handling System For Sangan Palletizing Plants No 1 & 2	Azaran Co.	5,000,000	
4	Material Handling System of Fulade Ravar Tunnel furnace Plant	Momtazan Industrial Co.	100,000	
5	Expansion Of Iron Ore Concentrate Stockpile In Golgozar Complex	Momtazan Industrial Co.	6,000,000	
6	Capacity Increasing & enhancement Of Main Feed Belt Conveyor In Sarcheshmeh Copper Complex (Capacity Increasing Of Sarcheshmeh Feed Belt Conveyor)	IBCCO	5200 t/h	
7	Basic Design Of IPCC For Sarcheshmeh Copper Mine	IBCCO	40,000,000	
8	Material Handling and Slurry Making System For Feeding part of Kavian Gohar Hematite Plant	Kavian Gohar Sirjan Co.	2,900,000	
9	Truck Loading System and Pellet Handling in SANGAN Steel Mining Complex	Khorasan SANGAN Steel Mining Company	3,200,000	
10	Expansion of Northern Pile of Gol-e-Gohar Concentrate Iron Ore Stockpile	Momtazan Industrial Co.	6,000,000	
11	GOLGOHAR- Construction & Installation of Tailing bin & a New Belt conveyor for dry Tailing handling	Golgozar	1,000 ton/h	
12	Persian Gulf Saba Steel Company (HDI/HBI DR Plant - 1.76 MTPY)	Persian Gulf Saba Steel Co.	1,760,000	

 Design
  Management
  Supply
  Construction
  Supervision



Mineral Processing Studies on Tail and Ore Material

No.	Project Description
1	Mineral processing study on recovery of iron from tailings of lines 1-3 of Gol Gohar iron ore complex, this study was carried out with collaboration of a team from Gol Gohar Iron and Steel Research Institute, these studies led to construction of a tailing recovery plant.
2	Mineral processing study on dust of electro filters in iron ore processing lines 1-3 of Gol Gohar iron ore complex. This study was carried out with collaboration of a team from Gol Gohar Iron and Steel Research Institute. Their research led to construction of a dust processing plant.
3	Mineral processing study on recovery of iron from tailings of lines 1-5 of Chadormalou iron ore complex, this study this study was carried out with collaboration with a team of FST Co, and led to construction of a tailing recovery plant.
4	Mineral processing study on recovery of iron from tailings of Sechahoon iron ore processing lines and Iran Central Iron Ore Co. This study showed that processing of these tailings wasn't feasible.
5	Mineral processing study on different Iron Ore of North Anomaly Iron mine located in Bafq, Yazd province. According to the results of these studies, the dry magnetic separation unit, include crushing, screening and dry magnetic separation, is feasible for this mine. Therefore New Zahor Kavir Bafq Company started to build a 1.5 million tons per year dry magnetic separation plant.
6	Mineral processing study on tailings of Hamedan Concentrate plant from Sabanoor Co. This study showed that, the iron recovery of this tailing is not feasible.
7	Mineral processing study on tailings of Shahrak Concentrate plant from Sabanoor Co. This study showed that, Although the iron recovery of this tailing is technically feasible but it is not economically profitable.
8	Mineral processing study on tailings stream of Aria Hadid Iron concentrate plant (Aria Fateh Holding in Zarand, Kerman province). This study showed iron recovery from these tailings is feasible and led to design, Implementation and operation of scavenging unit in this plant.
9	Mineral processing study on tailings stream of Esmaloon Iron concentrate plant No.1 (Aria Fateh Holding in Marvest, Yazd province). This study showed that, iron recovery from these tailings is feasible and led to design, Implementation and operation of scavenging unit in this plant.
10	Mineral processing study on tailings stream of Esmaloon Iron concentrate plant No.2 (Aria Fateh Holding in Marvest, Yazd province). This study showed that, iron recovery from these tailings is feasible and led to design, Implementation and operation of scavenging unit in this plant.
11	Studies on the tailing of Jahan Nemo iron ore Pre-concentration plant. This study showed that iron recovery from these tailings is feasible and led to design, Implementation and operation of scavenging unit in this plant.
12	Mineral processing study on tailings of Lakan Lead & Zinc concentrate plant (Shahin Sanat mining and Industrial Co.). This study showed that, Zinc recovery from these tailings is feasible and led to construction of tailing recovery plant near the Lakan lead & zinc concentrate plant which is in constructing stage.
13	Mineral processing study on low- grade placer iron ore of Sama area in Esmaloon Mines complex (belong Fateh Holding in Marvest, Yazd province). This study showed that iron recovery from these ores is feasible, and led to design and implementation of a pre-concentration unit (12,000,000 ton per year feed capacity) and Sama Iron Concentration Plant (700,000 ton per year iron ore concentrate capacity).
14	A mineral processing study was conducted on various ores in Badrood, Kashan, to evaluate the feasibility of using these resources as feed for the concentrate plant of AKAM Company. The results demonstrated that it is indeed feasible to utilize the available ores for the plant, which subsequently led to the design and construction of the Plant.
15	Mineral processing study on Rezvan Hematite Iron ore Mine (belong to Padideh Kavosh Iranian Co, in Fin Area, Hormozgan province). This study showed that production of low grade and high grade hematite concentrate from this source is feasible. Therefore, based on these studies, the Hematite concentration plant designed, and constructed. This plant is in operation right now.
16	Mineral processing study on Tang Zagh Hematite Iron ore Mine (belong to Omran Moman Chabahar Co, in Fin Area, Hormozgan province). This study showed that production of high grade hematite concentrate from this source is feasible. Therefore, based on these studies, the Hematite concentration plant designed, and constructed. This plant is in operation right now.
17	Mineral processing study on Siah Kamar molybdenum mine (belong to Aria Fateh Khavarmiyaneh Co. in Eastern Azerbaijan province). This study showed that production of molybdenum concentrate from this source is feasible. therefore based on these studies, molybden concentrate plant is designing and implementing.
18	Mineral processing study on different Iron ore from available source for Pasargad Zobahan Co. to provide appropriate feed for its desired Iron concentrate plant. This Study showed, the available iron ores are feasible for concentration and can be used as plant feed. Therefore the concentration plant was designed and constructed.
19	Studies on the beneficiation of low-grade iron ore were conducted in Ardakan, Yazd province. The results indicated that using this type of low-grade ore for concentrate production is economically feasible, and based on these findings, the basic design for organizing a tender was prepared.
20	A mineral processing study on Zarand iron ore was conducted to support the conceptual design of a pre-beneficiation plant for iron ore concentrate.
21	A mineral processing study on Kohbaba iron ore was conducted to support the conceptual design of a pre-beneficiation plant for iron ore concentrate.





Clients



RoNaK Engineering Group

Designer, Consultant,
Executor, and Contractor
of Industrial Projects



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