



Anin Consulting Engineers

Portfolio of Our Projects|2020-1400



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About ANIN Co.

ANIN Company was founded in 1993 with the aim of providing engineering services in the fields of design management, design, procurement, construction, installation, commissioning, consulting and supervision, in industrial, mining, civil, construction, energy and food industry projects. ANIN Co. began its activities in fields such as designing equipment for the automotive industry and machine building.

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Since 2010, the company has expanded the scope of its activities, which would not be possible without referring to the training and learning of up-to-date knowledge in the fields of project management, superior and workshop supervision, design and engineering, procurement and commissioning. Not only were we able to manage mega projects, but we also managed to form an experienced, young and capable team.

We can now humbly claim to be able to design, manage, and execute any project by identifying the clients' said and unsaid requirements and demands. At ANIN Company, using the knowledge of our experts in the fields of economics, management, international relations and sociology, we can comprehensively research about different aspects of any project and develop it.

In addition, in this company, while focusing on the basic metal industries, mineral ore processing, water purification and supply, as well as the construction industry, for the development of human resources and infrastructure, successful steps have been taken. At ANIN Company, with the help of experience and application of new systems of project management, performance management and quality control, we have succeeded in designing and implementing about 400 large industrial and construction projects; Some of these projects are among the largest in the world, the Middle East and Iran.

Turning to the multiplicity and diversity of projects carried out in this company and with the vision of creating surplus value for stakeholders, protecting human values and creating better living conditions, and observing environmental standards, we at ANIN Company provide our services based on the standard quality management system ISO 9001-2015.

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About Us

We are a group of entrepreneurs, engineers, designers, managerial policy-makers, financial experts, instructors, researchers and architects. We all believe in some common values which have a direct impact on our performance. We step beyond barriers in order to celebrate human values and to create more surplus value for interested parties. We live as we think. We hope that we can change the surrounding world in such a way that our clients' unsaid needs and aspirations come true. In ANIN Co. we offer our services with global standards and are committed to leave a rich and positive heritage.

Outstanding Projects

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Office Building of Shahrbabak Copper Plant
Client: **National Iranian Copper Industries Co**



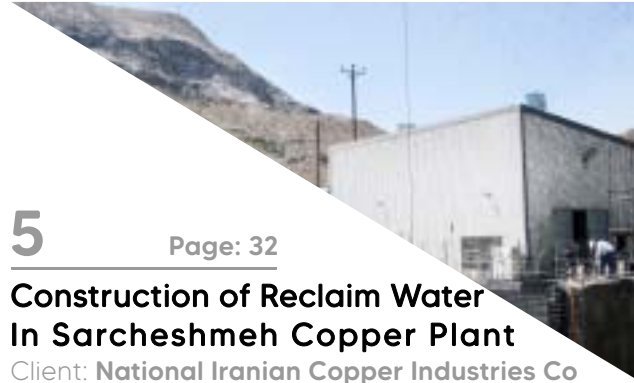
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Client: **National Iranian Copper Industries Co**



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Aluminum Production Plant in Chabahar Free Zone
Client: **Kerman Alavi Engineering Group**



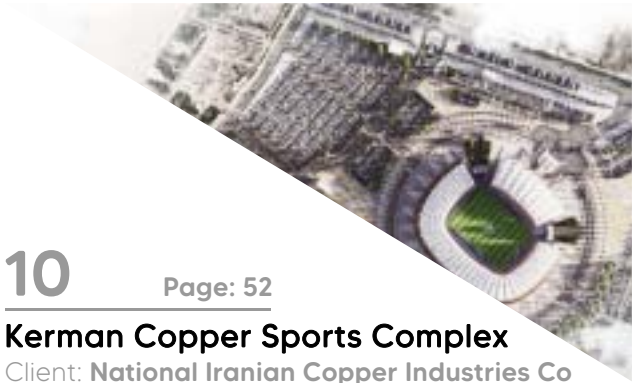
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Specialized Hospital For Cancer
Client: **Komak Charity Foundation**

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Office Building of Shahr Babak Copper Plant

Client: **National Iranian Copper Industries Co**

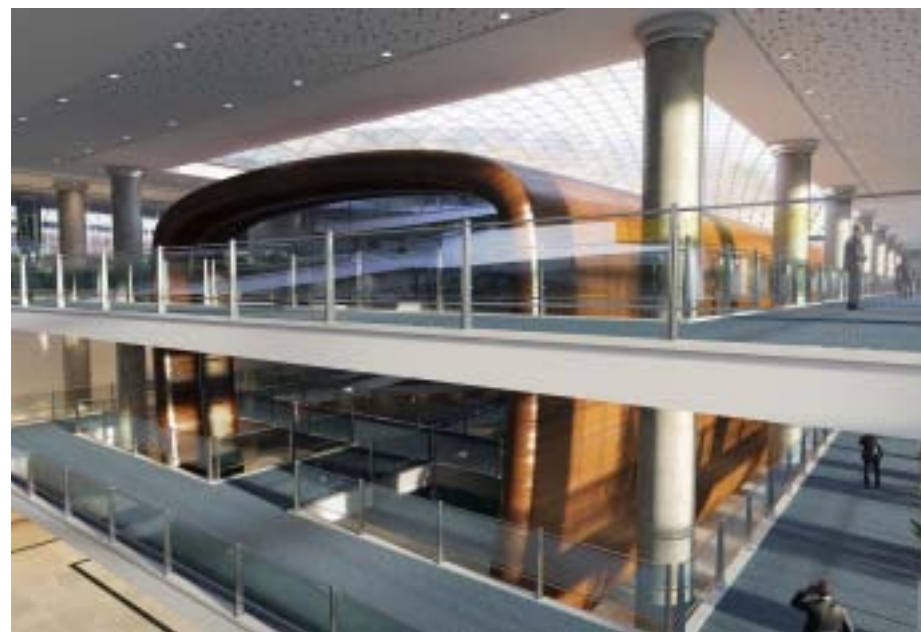
Duration: **Since 2019**

Shahr Babak office building is one of the few comprehensive office buildings in the country that has various uses in its heart and has taken into account the unspoken needs of a wide range of users. The building includes offices, a conference hall, an educational complex, a medical clinic, a restaurant and amenities. The infrastructure of the building is about 30,000 square meters and is equipped with complete infrastructure for holding national and regional conferences. The building is also designed in a completely modern and international style, which can be claimed to be the most comprehensive and beautiful office building in the country.











The Gateway & Control Building of Khatoun Abad Copper Plant

Client: **National Iranian Copper Industries Co**

Duration: **Since 2018**

The project was designed in the form of a 4-storey building with a gate with a width of about 25 meters in the heart of which one floor was located in the basement and 3 floors on the ground. The gate designed in the heart of the building divided it into two parts, north and south, the main weight of which was arranged in the northern part of the complex, based on the functional method of the units. On the ground floor of the northern part, a large hall with a high ceiling was designed to control the entry and exit of people and the relevant uses were located on different floor. In the southern and smaller part of the building, security uses were placed due to having more independence. The building was located on the project site in such a way that the existing boulevard road passes through it and the traffic protection gate is also located in this section. Also, in the facade of the building, copper sheets have been used in a symbolic way and as a symbol of the whole copper plant.





Industrial Projects

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Increasing the Capacity of Tailing Thickeners

Client: **National Iranian Copper Industries Co**

Duration: **Since 2009-2011**

The project of increasing the capacity of tailing thickeners, which can be referred to as increasing the dewatering capacity of dry tailings, in order to supply the required water, to increase the capacity of the 2nd phase of concentrator expansion and to increase the capacity of water recovery and treatment to over 75% in Sarcheshmeh Copper Plant. Prior to the start of the project to increase the dewatering of tailing thickeners, 4 tailing thickeners with a diameter of 120 meters were working in Sarcheshmeh Copper Plant three of which with a dewatering capacity of 550 tons of dry tailings per hour were launched by Parsons Jordan company and the fourth thickener with the capacity of 1100 tons was built and put into operation to supply water to phase one of the concentrator expansion.

In this project, ANIN Solid Mechanical Engineers Company was responsible for consultancy and superior and workshop supervision. The project started in 2009 and ended at the expected time. The executive operation ended in 2010 and the dewatering of the thickener was launched. The commissioning and operation of the project took place in the early days of 2011.

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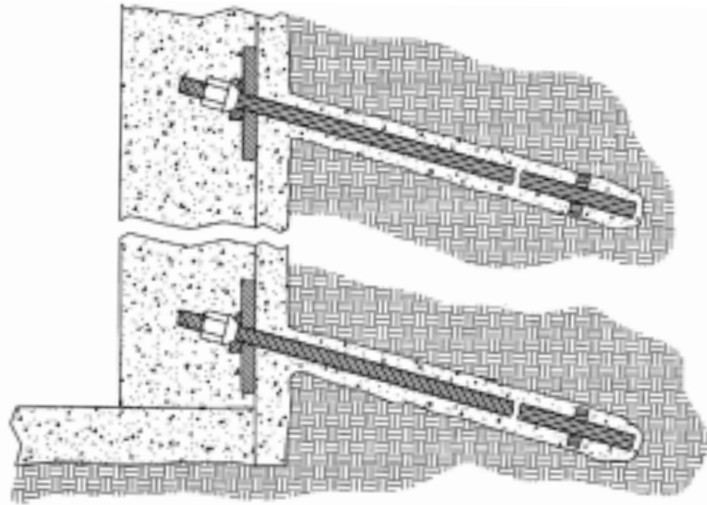
Nailing & Shotcrete in Sarcheshmeh Copper Plant

Client: **National Iranian Copper Industries Co**

Duration: **12 months (2013)**

In Sarcheshmeh Copper Plant, in addition to increasing the capacity of tailing thickeners more than twice, the issue of transferring the extracted water to a concentration plant was considered and it was decided to build a new pumping station next to the tailing thickeners.

In order to ensure the performance of the contractor, the tasks of correcting the documents prepared by ANIN Co. and preparing the necessary documents and workshop details were assigned to the contractor, but all documents were re-examined and approved by ANIN Co. Executive operations also started on the site based on instructions and plans and under the direct and continuous supervision of this company. After more than 160,000 cubic meters of excavation, more than 5000 square meters of nailing and shotcrete to a height of 20 meters, construction of 4 wells each with a diameter of one meter and a length of more than 30 meters in less than three months of excavation project of construction site of new pump station in Sarcheshmeh Copper Plant and trench stabilization overlooking it were successfully completed and handed over to the client.







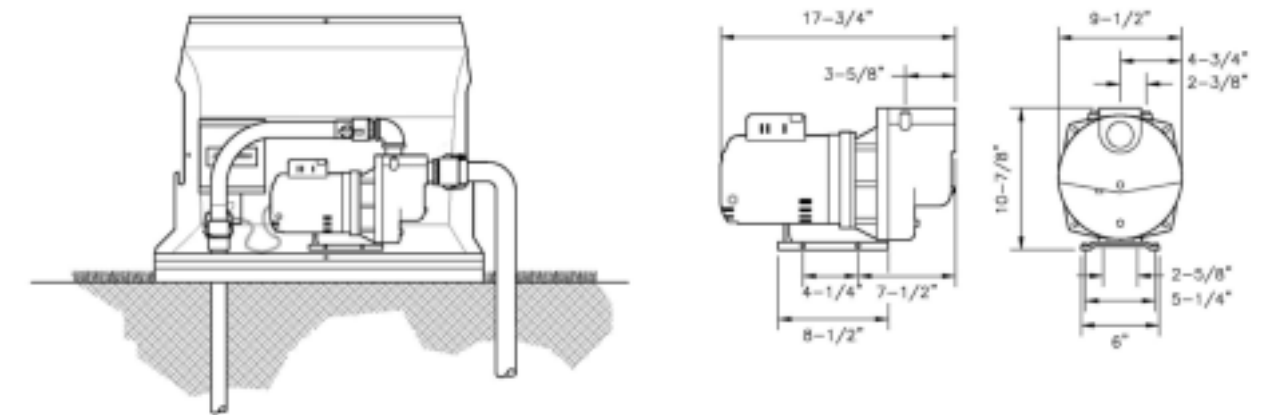
Construction of Reclaim Water In Sarcheshmeh Copper Plant

Client: **National Iranian Copper Industries Co**

Duration: **8 months (2014)**

With the start of the construction project of concentrator expansion (phase 2) of the Sarcheshmeh Copper Plant, the issue of supplying water required for this phase from the factory was also examined and of course the most important way to supply water was to extract the water from the production waste from the factory. For this purpose, the construction of the fifth tailing thickener was carried out under the supervision and consultation of ANIN Co. and was put into operation.

In order to supply the water required by the factory in the second and third phases of concentrator expansion, the water pumping capacity was supposed to reach at least 12,000 square meters. For this purpose, it was decided to install three pumps similar to the pumps in the old pump station and three pumps in another station that was built for this purpose. With the addition of these six pumps, it would be possible to transfer water from the reclaim water pool to the plant and supply the water required for the expansion phases in full.





Aluminum Production Plant in Chabahar Free Zone

Client: **Kerman Alavi Engineering Group**

Duration: **Since 2018**

The client intends to construct an industrial complex in the Chabahar Free Economic Zone. For this purpose, carrying out all managerial activities of the plan and project, the necessary capacity to conduct technical, economic and feasibility studies, integrating all industrial departments, preparing, maintaining and archiving all technical and contractual documents and related documents, ratifying all necessary contracts with consultant and engineering companies, suppliers and other agencies, ratifying the necessary contracts with technology-owner companies, as well as financial supervision of the project and workshop and supreme supervision have been assigned to ANIN Co.



Hydrated Lime Production Plant of Ahar

Client: **National Iranian Copper Industries Co**

Duration: **Since 2010**

This project has been defined to supply the hydrated lime needed for phases one and two of the Songun Copper Plant and consists of three main mining units, a kiln and a hydration plant. The technology used in this plant belongs to CimProgetti, an Italian company which is one of the largest companies in the world of lime industry technology and uses the latest lime production technology, which in addition to ensuring the quality of the final product also complies with the latest European environmental standards. This technology consists of a Twin Shaft Regenerative (TSR) Kiln with a vertical shaft.

In parallel with negotiations with the technology owner to provide the key equipment of the factory, planning to localize about 75% of the equipment required by the plant and its production in the country and the adaptation of basic engineering in accordance with the certain conditions of site and project were carried out by ANIN Co. as a result of which employment rate increased and for in-house contractors a cost of over € 4 million was saved in the final cost of the plant.





Renovation of Concentrator In Sarcheshmeh Copper Plant

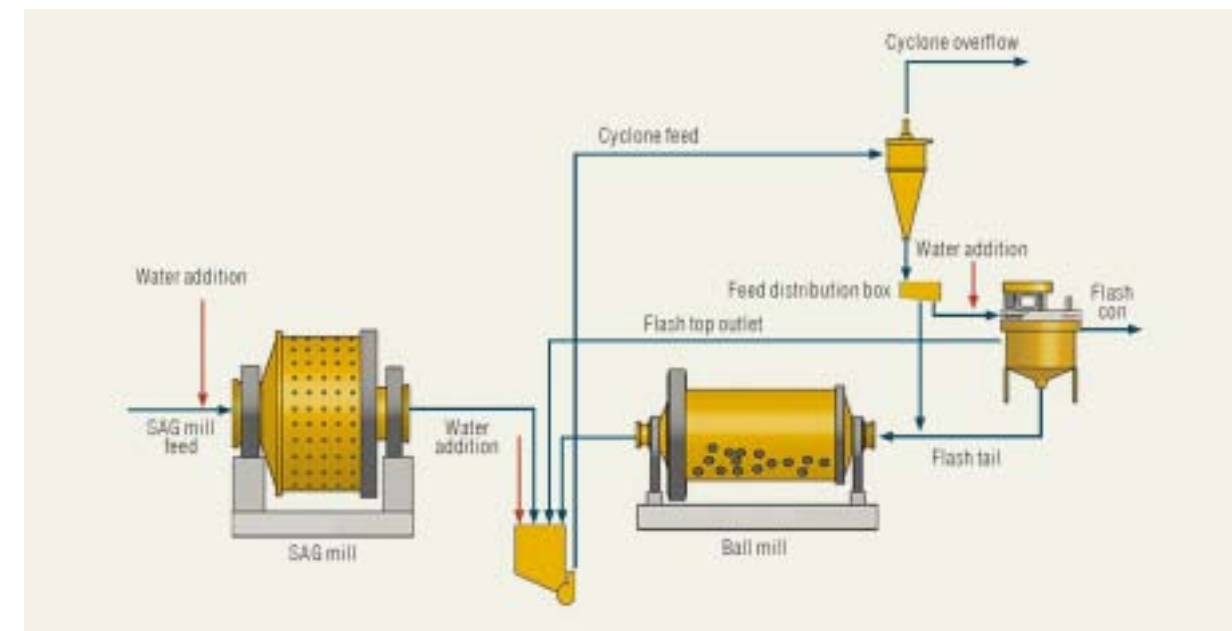
Client: **National Iranian Copper Industries Co**

Duration: **24 months (2018)**

Since 2018 and with the emphasis on the need to make corrections and eliminate defects in equipment, the department of concentration in Sarcheshmeh assigned ANIN Co. as the most efficient consultant for concentrating the Sarcheshmeh copper plant the responsibility of reviewing, conducting technical and economic studies, drawing financial models, preparing plans, documents as well as basic engineering and detail documents, and consulting services, and providing tender documents, meters and project implementation estimates.

In this regard, after operation units had announced that there were problems in systems and equipment, the cases were fully identified and meetings were held to review the problem and the method of solving them. After holding meetings and convincing the client, a project in this regard was defined based on the various solutions that have been presented. Later on, our team in ANIN Co. while preparing the aforementioned items for each project, holding the tender and supervising the selected contractors, the project was completed and devices were handed over to users after eliminating the shortcomings.





Increasing Capacity of Flotation Factory In Sarcheshmeh Copper Plant

Client: **National Iranian Copper Industries Co**

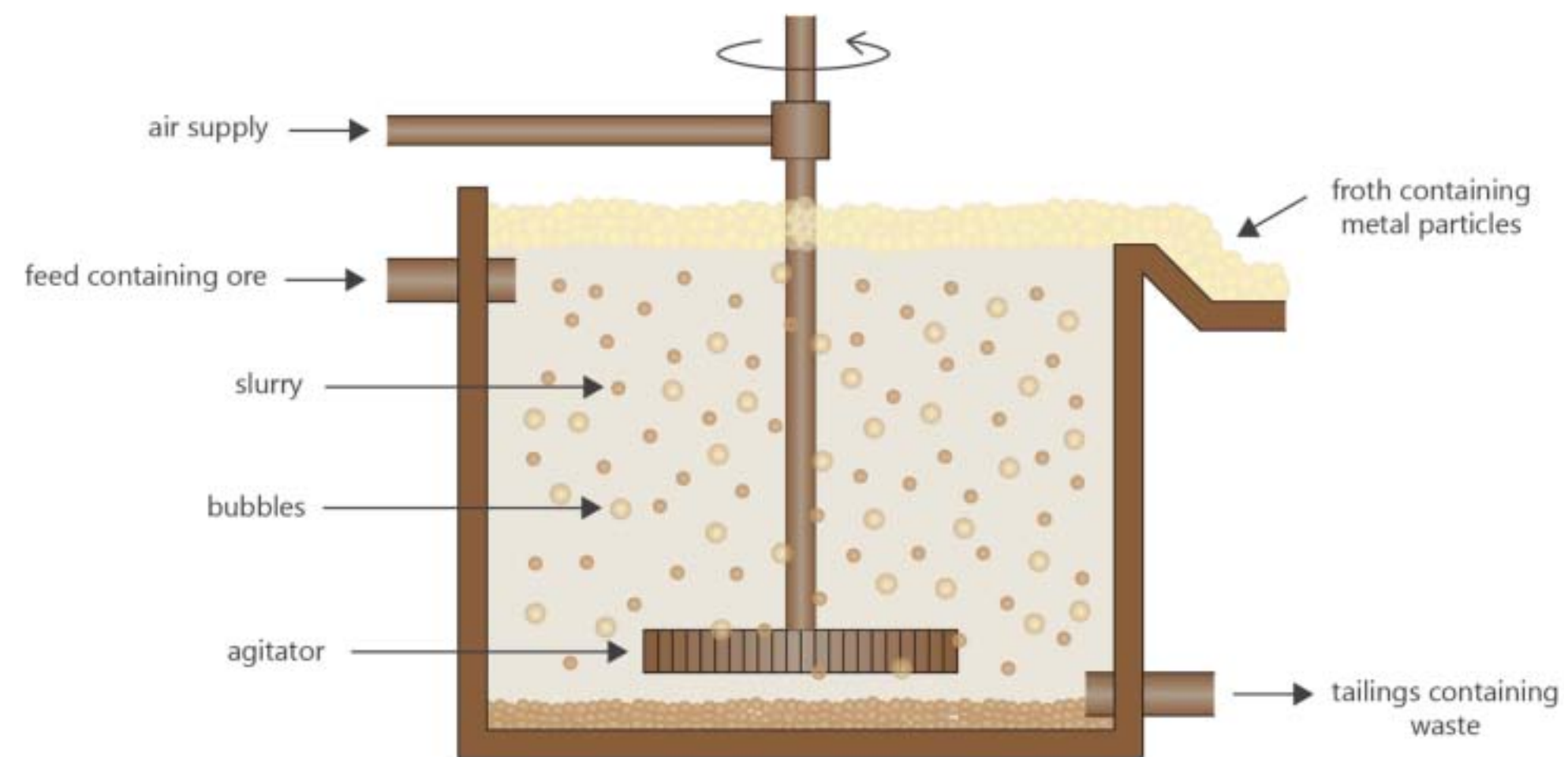
Duration: **12 months (2011)**

Due to the increase in the capacity of Sarcheshmeh Copper Complex concentrator plant and the lack of integrated development in the previous years, a large part of the produced concentrate from launders and drop boxes overflowed and accumulated on the floor of the factory and was destroyed or its extraction happened to be quite costly. As a result, the required improvements in the flotation section of Sarcheshmeh Copper Complex's concentrator plant were defined as part of the revamping and renovation of concentrator plant project in 2010.

In order to reduce the loss of products, it was decided that the necessary studies to increase the volume of cells, drop boxes and launders should be carried out by ANIN Co. and the necessary technical plans and documents should be produced so that it can be provided and implemented by contractors. In this regard, it was necessary to calculate the load due to the increase in capacity on the main structure of the hall and ancillary structures inside the hall and, if necessary, to provide a relevant reinforcement plan.







Kerman Copper Sports Complex

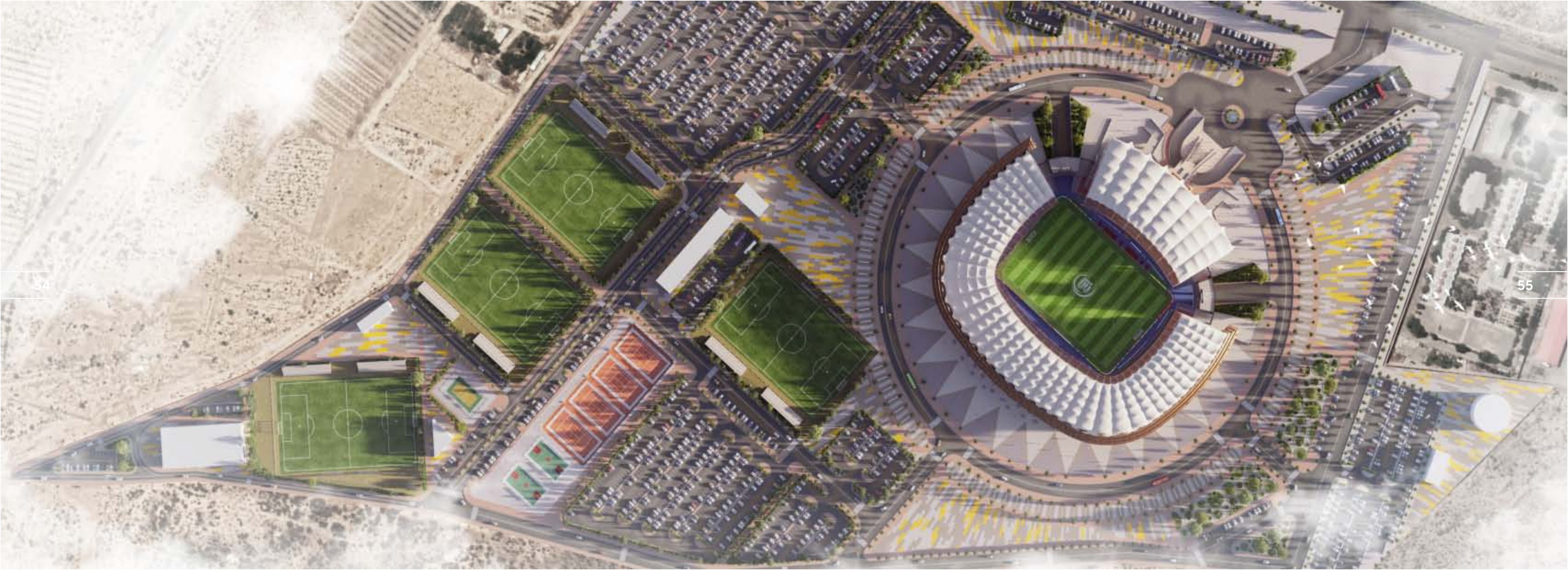
Client: **National Iranian Copper Industries Co**

Duration: **Since 2011**

After designing and supervising the Kerman Copper Stadium, at the request of the client, in parallel, our team of architects set out simultaneously to conduct studies on the standards of the site plan of sports complexes. Due to the dimensions of the project site and the client's demands, it was necessary to hold other sports matches on this field other than the soccer stadium.

In this regard, according to the dimensions of the site, the location of the soccer stadium on the project site, the surrounding roads and entrances and access routes to the project site from outside the complex, the requirements and surrounding districts of the soccer stadium were studied according to FIFA regulations. Accordingly, a feasibility study was carried out to turn the project into a comprehensive sports complex.







Kerman Copper 30000 Seat Soccer Stadium

Client: **National Iranian Copper Industries Co**

Duration: **Since 2010**

In 2014, at the request of the project owner to fundamentally reform the stadium documents and turn it into a modern stadium equipped with the necessary infrastructure in an international level, ANIN Co. was selected as a design consultant and supreme supervisor of the project. In this regard, comprehensive studies based on the latest version of the standards for the design and construction of soccer stadiums (STANDARD FOR STADIUMS FIFA 2011- 5th edition) were carried out by the design team and a comprehensive report was presented including the cost of the project.

After approval, the criterion for the implementation of the project was set. The design of the stadium, in addition to a modern and up-to-date style, has been adapted to Iranian architectural patterns. In this stadium, VIP, CIP and VVIP stands, facilities for tournament organizers, teams and 30,000 spectators are provided in a completely standard way. This project is the third all-roofed stadium designed in the country, whose unique shell and roof design distinguishes it from other stadiums in the country.

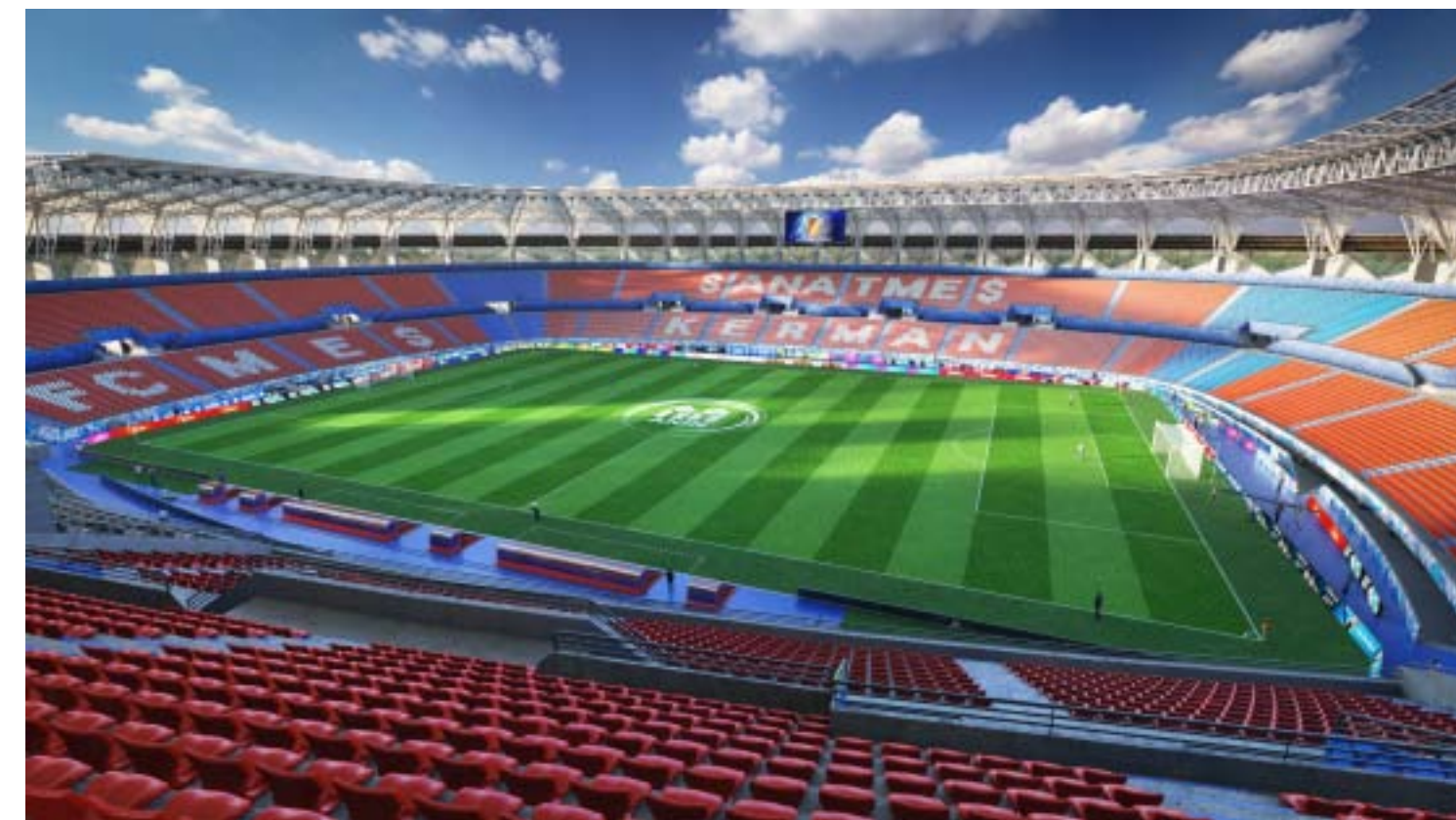




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Shahrbabak Copper Sports Complex

Client: **National Iranian Copper Industries Co**

Duration: **Since 2010**

Shahrbabak Copper Sports Complex is a comprehensive and unrivaled sports complex in the region, including an Office Building, 10,000 seat soccer stadium and a 1,000 seat soccer stadium for grassroots teams, a multipurpose competition hall with a capacity of 2,000 seats and a 25-meter-long pool hall, as well as sports infrastructure and training grounds for the promotion of grassroots sports teams and professional teams, which have been designed in an area of more than 20 hectares.







Specialized Hospital For Cancer

Client: **Komak Charity Foundation**

Duration: **2020**

Pars Health City is a medical-residential complex on a 70-hectare site that includes a 240-bed hospital, a comprehensive cancer center, a nuclear medicine building, a hotel, an educational-research building, a stem cell research-therapeutic building, residential-therapeutic villages, and cultural wards.

This complex is the most modern and up-to-date treatment complex in the country and competitive in the region in which new methods of treatment in the field





Feasibility Study

Projects

- 1 Aluminum plant with a capacity of 1 million tons per year
- 2 Desalination plant with a capacity of 480 thousand cubic meters
- 3 Phosphoric acid and chemical fertilizer plant
- 4 Sodium Sulfur Production Plant
- 5 3000 MW power plant
- 6 Stone paper factory
- 7 Water extraction systems
- 8 Lime Production Plants
- 9 Chabahar Free Zone Airport
- 10 Studies of project-oriented and aerospace companies
- 11 Hamoun, Kerman, Kermanshah and Jasmourian Petrochemical
- 12 Companies + Kerman Methanol + PVC Production Plant

Notes:



Anin Consulting Engineers

Unit 24, Block 570, Baharestan
10th St, Pasdaran St, Tehran, Iran

 www.aninco.ir  +98 22 57 54 47-9

 info@aninco.ir  +98 21 22 59 30 41