





شــركــت تـــونــل ســد آريانــا Tunnel Sadd Ariana Co.

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Tunnel Sadd Ariana







About Tunnel Sadd Ariana

Tunnel Sadd Ariana company was established in 2007 with the cooperation of some accomplished, like-minded managers based on their valuable experience acquired in multiple large-scale construction projects. This company obtained the highest rankings of Construction and Consultation Services as well as Design and Build of roads from the Planning and Budget Organization of Iran in a short period of time in continuing its rapid progress throughout the years after establishment, this company became a successful and pioneer contractor with various branches. This achievement is due to the focus on providing outstanding services and professional commitment, unrelenting endeavor, continuous quality enhancement, customer-oriented policies, reducing costs and construction time, applying modern methods and technologies, as well as employing experienced personnel and developed equipment and modern machinery. Due to these factors, this company was awarded as an exemplary national exporter of engineering and technical services for six consecutive years from 2017 to 2022. Ariana group consists of several subsidiaries such as Behan Sadd Consulting engineers company (which provides engineering and consulting services for dam and power plant projects), Tajikkan consulting engineers companies (which specialize in providing design, consultation, and engineering services), and Sokhtmoni Tunnel company (which offers services in urban projects in the Republic of Tajikistan). While operating independently, these companies have an integrated management system. In order to efficiently supervise all foreign and domestic projects as well as the subsidiaries, Ariana group's headquarter is located in Tehran, Iran. Tunnel Sadd Ariana company has obtained valuable and extensive experiences in executing enormous civil projects including the construction of roads, railways, bridges, tunnels, irrigation canals and drainage networks, And automation systems, Water transfer and sewage collecting systems, structural retrofitting, various types of d





Tunnel Sadd Ariana company was established to create an efficient organization grounded in creativity, innovation, transparency, intellectual fulfillment, and agility. In order to achieve economic prosperity and cause a positive social impact, the foundation of Ariana is mounted on knowledge and experience while avoiding complex inefficient bureaucracy for constructing infrastructures especially throughout our international projects. Successful implementation of significant projects beyond national boundaries upon the establishment of our organization proved the capability and robustness of the company's structure. This led us to set ambitious goals to attain growth and accomplishments. We believe that the implementation of various infrastructure projects in compliance with environmental and quality standards in a timely manner results in the creation of added value, improvement of living conditions, establishment of sustainable jobs, enhancement of economic development, and earning of trust and credibility. Challenges are welcomed. By accepting risks, treading off the beaten track whilst following guidelines, and overcoming obstacles, we increase our organizational capacity and capabilities considerably. I hope that through utilization of technological advancement, education and modernization, and the support of my colleagues, Tunnel Sadd Ariana can implement major projects and play an important role in the domestic and international economic growth.





What troubles construction projects nowadays is the weakness of implementing the principles of engineering ethics in professional interactions. This issue is the result of an ignored exigency surrounding the promotion of ethics throughout the engineering community. However, considering the noteworthy position of Tunnel Sadd Ariana company, it is expected that we comply with ethical guidelines and remain committed to the observation of laws, regulations, and agreements of bilateral and multilateral nature. Therefore, we feel obliged to safeguard the interests of stakeholders within national interests and compatible with ethical standards and instructions to obtain their satisfaction as well as fulfilling the company's responsibilities towards the law, employers, the engineering society, and our colleagues. We believe that our success depends on achieving our duties while preserving ethics. This will eventually lead to professional growth and further achievements alongside the increase of trust and credit we obtain from our employers and partners.

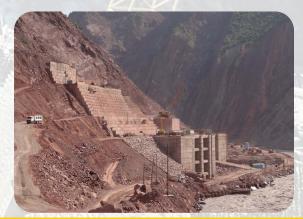


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Professional Working Fields

Construction of Embankment and Concrete Power Plant Storage Dams, and Barrage Dams

- Open cut operation
- Underground excavation
- Execution of concrete structures
- Tunnel excavation (modern and traditional methods)
- Execution of grout curtain and diaphragm walls
- Consolidation works (Nailing)
- Tensile restraining (Anchorage)
- Geotechnical and Geophysical operations





Landfill

■ Execution of landfill sites



Mine

- Mining exploration
- Extraction operation













Water Transfer and Wastewater Collecting Systems

- Construction of various pipelines and canals
- Construction, reconstruction, and rehabilitation of water and waste water networks
- Construction, reconstruction, and rehabilitation of irrigation and drainage networks
- Construction, reconstruction, and rehabilitation of run-off collection networks

Road and Transportation

- Road construction projects
- Railway projects (retrofitting of bridges, construction and rehabilitation of railways)
- Various types of tunnels
- Interchanges and bridges

Construction of Multifunctional Building Complexes

- Residential buildings
- Commercial and administrative complexes
- Sports complexes
- Ready-mixed concrete production plants

Professional Working Fields

Creating an integrated system which matches our projects and company strategies and delivering high quality services to our clients is due to the implementation of policies and guidelines in accordance with international standards. Tunnel Sadd Ariana company is honored to be certified by credible international institutes such as the IAS, DAKKS, QA, and JAS-ANZ.







D-ZM-18949-01-00

ISO 9001:2015

ISO 21500:2012



Occupational Health and Safety Management Systems Standard

ISO 45001: 2018



Environmental Management Systems Standard

ISO 14001: 2015



Guidance on Project Management Standard

ISO 21502:2020



Quality Management Systems Standard

ISO 9001:2015

Human Resources

Human resources are the most crucial assets of any society and by recognizing contributing factors, any organization competitive edge and efficiency can be improved. Providing educational courses and allocating time as well as budget to improve personnel capabilities, although it is time-consuming and expensive, will eventually elevate their performance. This will in turn guarantee the success of the organization. Therefore, Tunnel Sadd Ariana has made it its policy to educate its personnel, designate resources to their physical health, and exalt overall staff mental state. We don't consider this process as a mere expense but as an investment to ensure project performance on the highest levels of quality, technology, innovation, skillfulness, and professionalism. The number of personnel in all the active domestic and foreign projects is over 2000 people, 40% of whom are Iranians and the rest are foreign nationals. Furthermore, there are more than 400 people of the personnel have higher educational degrees.



Safety

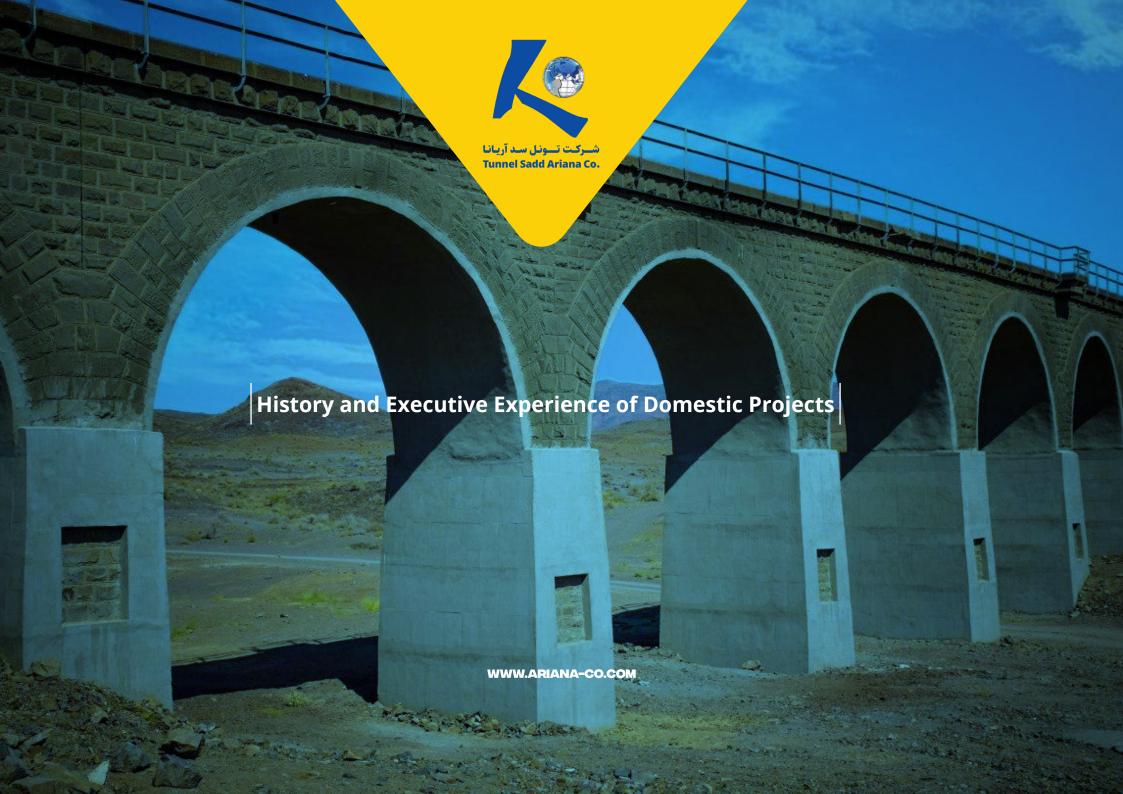
According to Tunnel Sadd Ariana group's fundamental belief and principles, the promotion of safety not only isn't a cost but is a basis for investment; Therefore, health protection, security, and comfortability of our personnel is of paramount importance in the execution of construction projects, which is one of the most hazardous industries in the world. So, awareness of safety and its requirements based on international and domestic standards is a necessity and obligation. In this regard, Tunnel Sadd Ariana prepared a comprehensive health and safety procedure and enforces it in all its project sites and offices to ensure protection of employees.

Key Aspects of the Safety Program of Projects

- Continuous training regarding safety protocols at project sites
- Raising personnel awareness of standards and keeping them committed to following the instructions
- Preparation and implementation of Safety guidelines
- Procurement of safety and protection equipment for the personnel along with warning devices

- Taking tests of personnel to verify their adequate knowledge on safety protocols
- Holding training courses for beginners before entering the executive operations of the company
- Analysis systems for work environment accidents at all projects sites
- Special safety programs depending on the type of each project









Construction of Kaj Interchange

Client _____ Karaj municipality
Field of work _____ Construction of underpass

Type of contract — Construction Commencement date — March 2014

End date — September 2015

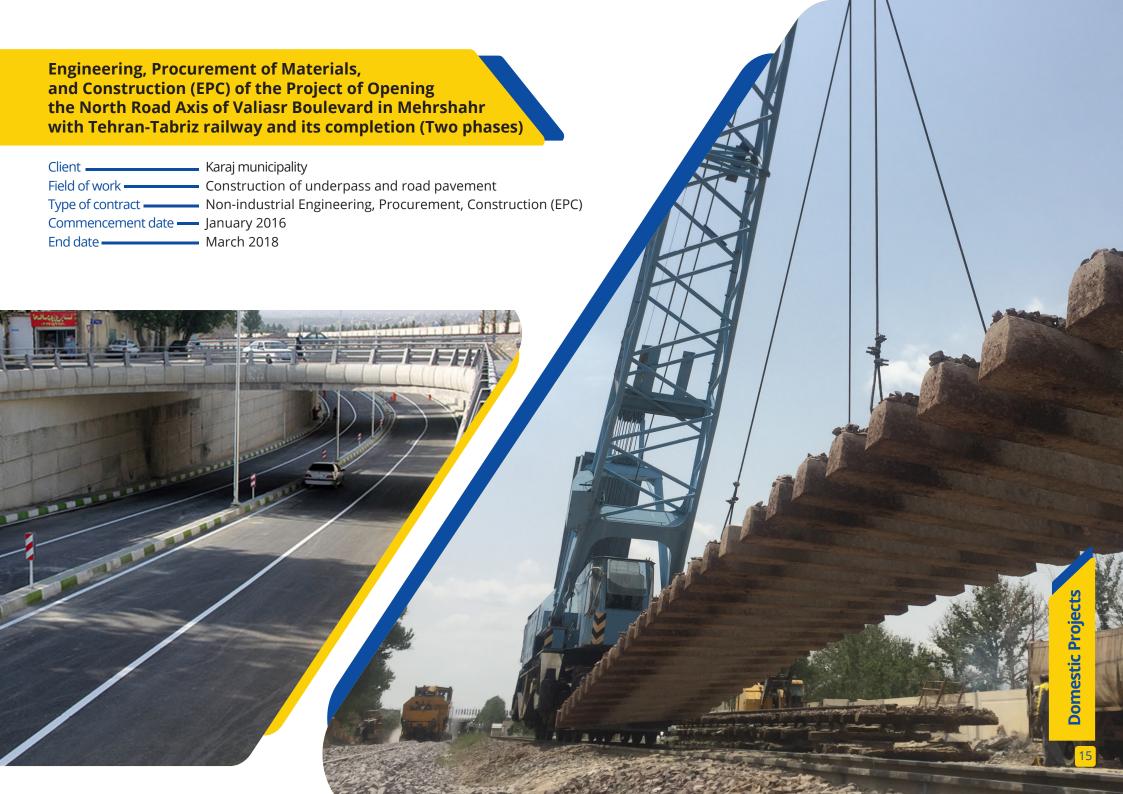
Construction of the Ramp Connecting Fast Lane to Slow Lane of Shora Boulevard

Client _____ Karaj municipality
Field of work _____ Drilling, excavation, consolidation

and stabilization of slopes

Type of contract — Construction Commencement date — March 2014 End date June 2015





Strengthening of Railway Bridges on the Bafgh-Bandar Abbas Axial Railroad (second segment) (Ghare tappe-Enshe'ab, Enshe'ab-Bandar Abbas, Enshe'ab-Shahid Rajaei) in Order to Increase Load Bearing Capacity Using Non-industrial EPC

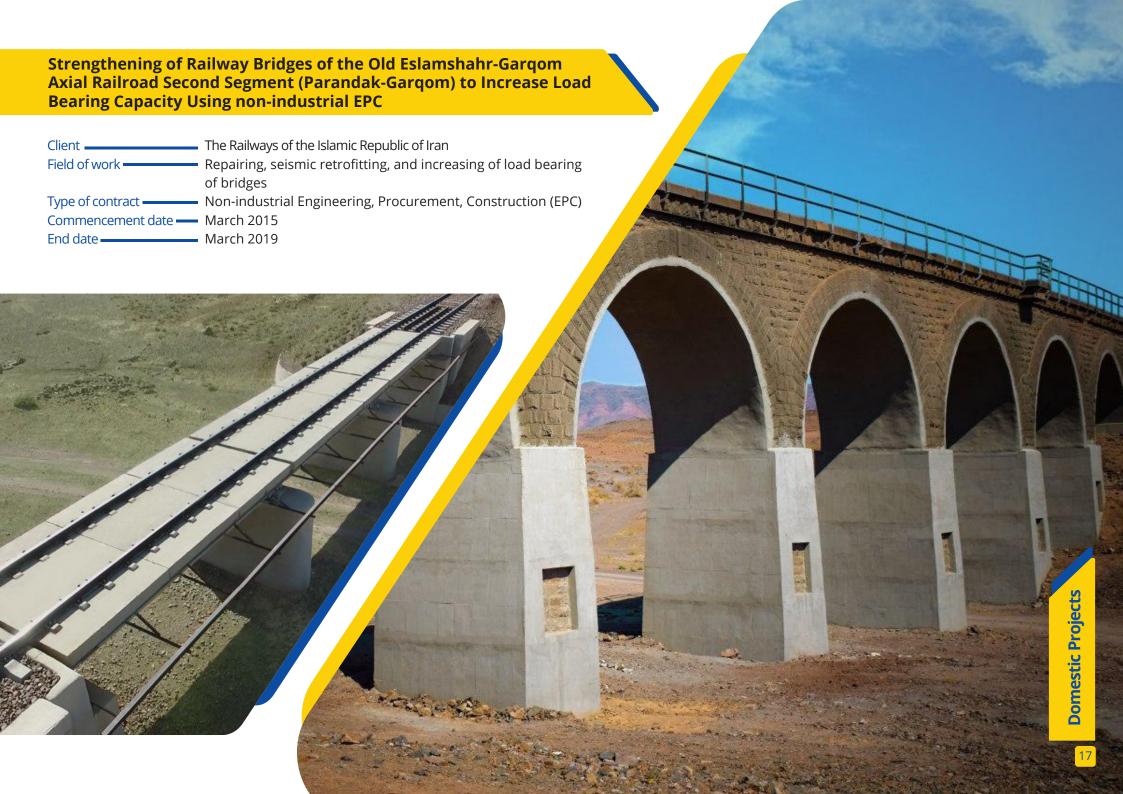
Client _____ The Railways of the Islamic Republic of Iran
Field of work _____ Repairing, seismic retrofitting, and increasing of load

bearing of bridges

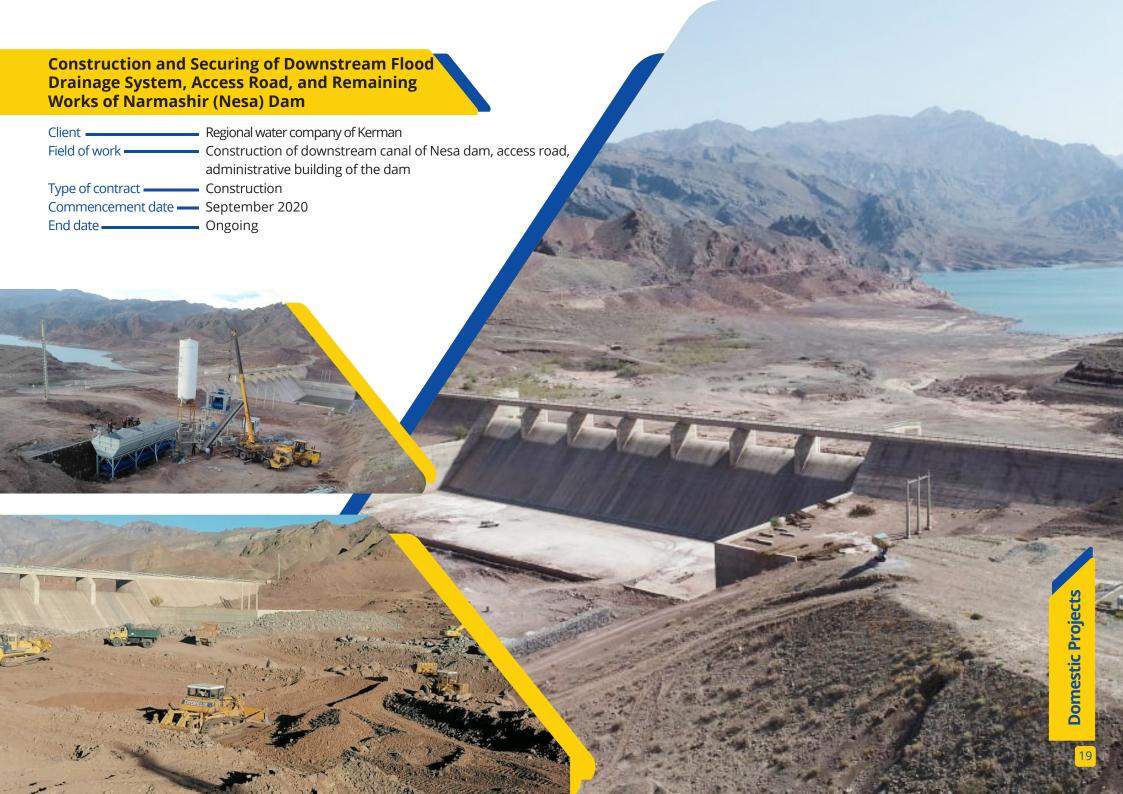
Type of contract — Non-industrial Engineering, Procurement, Construction (EPC)

Commencement date — March 2015
End date — October 2021























Rogun Dam and HPP as Well as its Infrastructures in the Republic of Tajikistan

Client _____ Ministry of Energy and Water Resources of the Republic of Tajikistan - OJSC Rogun HPP

Field of work — Construction of power plant and transformer cavern, valve cavern, water basin structure, water transfer

tunnels, power plant and access tunnels, access roads, consolidation and geotechnical operations, and

open cut operations for building various structures

Type of contract — Construction

Commencement date — March 2010

End date — Ongoing (construction period: Because of project extensiveness, executive work schedule is determined

and notified by the client annually)





Construction of Dam Intake Structure of Rogun Dam and HPP in the Republic of Tajikistan

Client _____ Ministry of Energy and Water Resources of the Republic of Tajikistan - OJSC Rogun HPP Field of work _____ Construction of intake structure

Type of contract — Construction Commencement date — September 2021







Drilling Operations, Transporting Excavated Materials, and Open Cutting of the Rogun Dam and HPP Structures in the Republic of Tajikistan



Construction of Shagun-Zighar Road in the Republic of Tajikistan (Two Phases)

Second Phase



Client — Ministry of Transport of the Republic of Tajikistan
Field of work — Construction of 10 km of road and three bridges
Type of contract — Construction
Commencement date — October 2007
End date — April 2010

Client — Ministry of Transport of the Republic of Tajikistan
Field of work — Construction of 19 km of road as well as 34 km
of asphalt pavement for the entire road
Type of contract — Construction
Commencement date — July 2011
End date — February 2014



Construction of Ayni-Mast Chah Koohi Road in the Republic of Tajikistan



Geotechnical Operation at No. 1 Sang Toode HPP in the Republic of Tajikistan



Field of work — Coring of the impounded dam structure, drain boreholes, excavation and grout

Type of contract — Construction

Commencement date — October 2011







Construction of Main and Secondary Canals Under the Irrigation System Modernization Project (comprising of 3 lots) in the Republic of Armenia

Financing Institution Eurasian Development Bank (EDB)

Client — Armenian Territorial Development Fund (ATDF)

Field of work — Rehabilitation of old canals and installation of irrigation equipment

Type of contract — Construction

Commencement date — July 2020

End date — Ongoing





Construction of Ellikkala 1 Canals in the Republic of Uzbekistan

Financing Institution _____ The World Bank

Client _____ Ministry of Water Resources of the Republic of Uzbekistan Field of work _____ Rehabilitation of old canals and installation of irrigation

and drainage equipment

Type of contract — Construction
Commencement date — March 2020
End date — Ongoing





Construction of the Right Bank Canal and Topulang-Karatagskiy Irrigation Canal in the Republic of Uzbekistan

Financing Institution Islamic Development Bank (IsDB)

 Ministry of Agriculture and Water Resources of Client —

the Republic of Uzbekistan

Field of work -Reconstruction of old canals and installation of

irrigation and drainage equipment

Type of contract — Construction

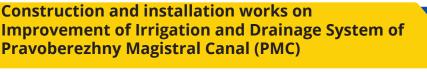
Commencement date — May 2018 End date —











Financing Institution ____ 70% KZ Government + 30% World Bank

Client — Water Resources Committee of the Ministry of Ecology, Geology

and Natural Resources of the Republic of Kazakhstan

Field of work — Water And Environment - Irrigation

Type of contract — General conditions of Kazakhstan contracts for the

construction of irrigation canals

Commencement date — February 2022

End date Ongoing





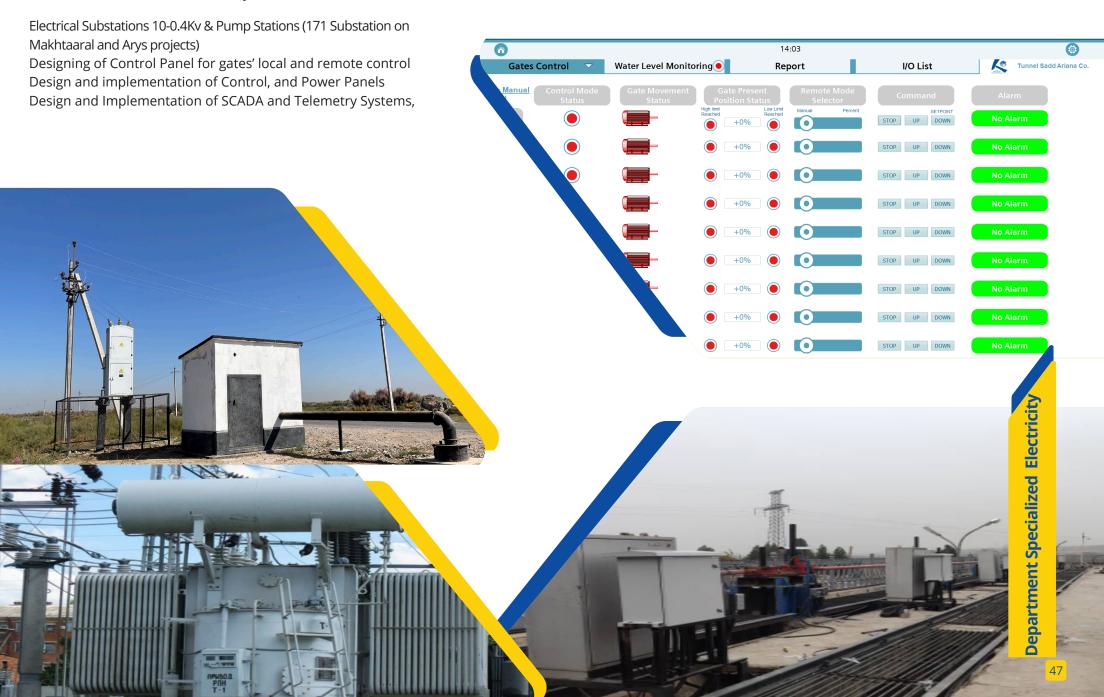


Department Specialized Electricity

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Construction of Irrigation and Drainage System of Makhtaaral1-b in the Republic of Kazakhstan









Fleet of Machinery

The Machinery and equipment of Tunnel Sadd Ariana company include various road-building machines such as drilling jumbos, bulldozers, excavators, cranes, trucks, crushers, as well as asphalt production factory, different batching plants and any other essential equipment for executing large construction projects. The machine fleet of this company consists of more than 550 different machines, devices and equipment, which is over 330 sets of heavy and semi-heavy road construction machines. Possessing many different types of machinery and equipment along with a capable management and logistics team, has enabled us to be involved in large and special projects such as the construction of concrete dams, embankment dams, hydropower plants, irrigation and drainage systems, sewage collecting systems, highways, railroads, and tunnels.









Contractor Competency Certificate From Planning and Budget Organization of Iran

Grade 1 in the field of Transportation, Road, Highway, and Railway Construction

Grade 1 in the field of Water Structures

Grade 1 in the field of Civil structure and buildings

Grade 1 in the field of Mechanical Installations and Equipment

Grade 3 in the field of Land Surveying

Grade 4 in the field of Electric Power

Grade 5 in the field of Oil and Gas Installations and Equipment

Grade 5 in the field of Industry and Mining





Contractor Dompetency Certificate from Planning and Budget Organization of Iran



Grade 2of Design and Construction Services
Competency Certificate from Planning and
Budget Organization of Iran



Grade 2 of Consultation services competency certificate from Planning and Budget Organization of Iran

Awards and Commendation Letters of the Exemplary Exporter of Technical and Engineering Services of from the Ministry of Industry, Mine and Trade



National Exemplary Exporter of 2021



Premium exporter 2022



National Exemplary Exporter of 2020



National Exemplary Exporter of 2019



National Exemplary Exporter of 2018



National Exemplary Exporter of 2017



Exemplary Exporter of Iran Award and Commendation Letter of 2017 Export Development Bank of Iran



International fair for Transportation and Related Industries Award of 2018 (EXPO 2018)



Exemplary Exporter of Iran Award and Commendation Letter of 2019 Export Development Bank of Iran

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Award for National Exemplary Exporter Companies Active in the Exportation of Technical and Engineering Services of Water and Electricity Industry



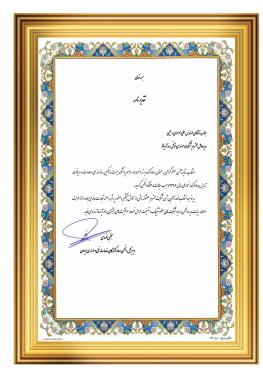
Commendation Letter Received from the Top Exporters Association of Iran Regarding Exemplary Exporter Award of 2018



Commendation Letter Received from the Iran Chamber of Commerce, Industries, Mines and Agriculture (ICCIMA) Regarding the 2017 Award for Exemplary National Exporter



Commendation Letter Received from the Ministry of Energy Regarding the Award of National Exemplary Exporter in Water and Electricity Industry of 2019



Commendation Letter Received from the Secretary General of the International Consultants and Contractors Association of Iran Regarding the Award of Exemplary National Exporter



Commendation Letter Received from Sepah Bank



Commendation Letter for the Leading Exporter Received from the Ministry of Energy in 2016

انجمن صادر کنندگان خدمات فنی و مهندسی ایران

THIS IS TO CERTIFY THAT

IS A MEMBER OF INTERNATIONAL CONSULTANTS AND CONTRACTORS ASSOCIATION OF IRAN

Membership Certificate of the

International Consultants and

Contractors Association of Iran



Commendation Letter from the Municipality of Karaj for the Construction of Kaj Interchange



Commendation Letter Received from the Ministry of Energy for the Construction of Karoun 3 Dam and HPP



Commendation Letter for the Construction of Shaghun-Zighar Road in Tajikistan



Commendation Letter for the Sang Toode-1 Dam and HPP in Tajikistan



Commendation Letter of the Makhtaaral District Governor Regarding the Aid of Tunnel Sadd Ariana Company During the Flooding in the Turkestan Province in 2020



Commendation Letter for the Rogun Dam and HPP in Tajikistan Received in 2018



commendation letter on HSE from Republic of Tajikistan for the Rogun HPP on 18 November 2022



The Environment

The adverse effects of non-compliance with the principles and standards of protecting and safeguarding the environment in civil engineering projects, indirectly indicates the importance of nature in this industry. Therefore, Tunnel Sadd Ariana company rigorously observes this issue. Hence, the adaptation of the requirements of the client alongside environmental regulations is considered a principle in the process of implementing projects. Commitment towards the laws of protecting the environment is one of the organizational guidelines of this company which all personnel must be aware of and observe.





Cavern of Underground Rogun HPP with 3600 Megawatts of Capacity in the Republic of Tajikistan



Cavern of Underground Rogun HPP with 3600 Megawatts of Capacity in the Republic of Tajikistan

Tunnel Sadd Arianal

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