



MahTaab Group

IN THE NAME OF THE CREATOR OF LIGHT

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

MahTaab, Beyond Electricity Generation

ماہتاب، فراتر از تولید برق

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About Us

Arian MahTaab Gostar Company, a pioneering entity in the private sector for power generation investment, was established in 2002 in order to contribute power industry and electricity demands of the country with the highest availability.

Embracing agility, MahTaab outsources operational activities, managing all endeavors with a lean team of 100 employees. We are dedicated to implementing world class best practices and aspire to serve as a benchmark in the country.

Moreover, MahTaab has diversified its portfolio by establishing companies in infrastructive industries such as electricity, water, oil, gas, and energy trading. Presently, we own all or part of 12 thermal and renewable power plants, collectively providing 4,400 MW of nominal capacity. We also operate a desalination plant in Kish Island, enriching the south of Iran.

MahTaab goes beyond financial goals, emphasizing CSR. We actively collaborate with social institutions in project regions.

“MahTaab, meaning ‘Moonlight’ in Persian”



In our journey, we have prioritized value creation and ethics, aiming to set new benchmarks through collaboration with MahTaab family and leveraging proven successes.

Mission

Through the development, investment, and management of operations in the fields of electricity, energy, petrochemicals, and mining, we aim to emerge as a leader in fostering sustainable development. We strive to achieve this through the utilization of efficient human capital, collaboration with world-class companies, and leveraging internal and external professional capabilities.

Vision

To be a pioneering Developer and Investor steering towards the forefront of sustainable development.



Common Values



Create and Foster value for all stakeholders.



Cultivate a culture of learning, creativity, innovation, and entrepreneurship.



Encourage economic and strategic thinking at all organizational levels.



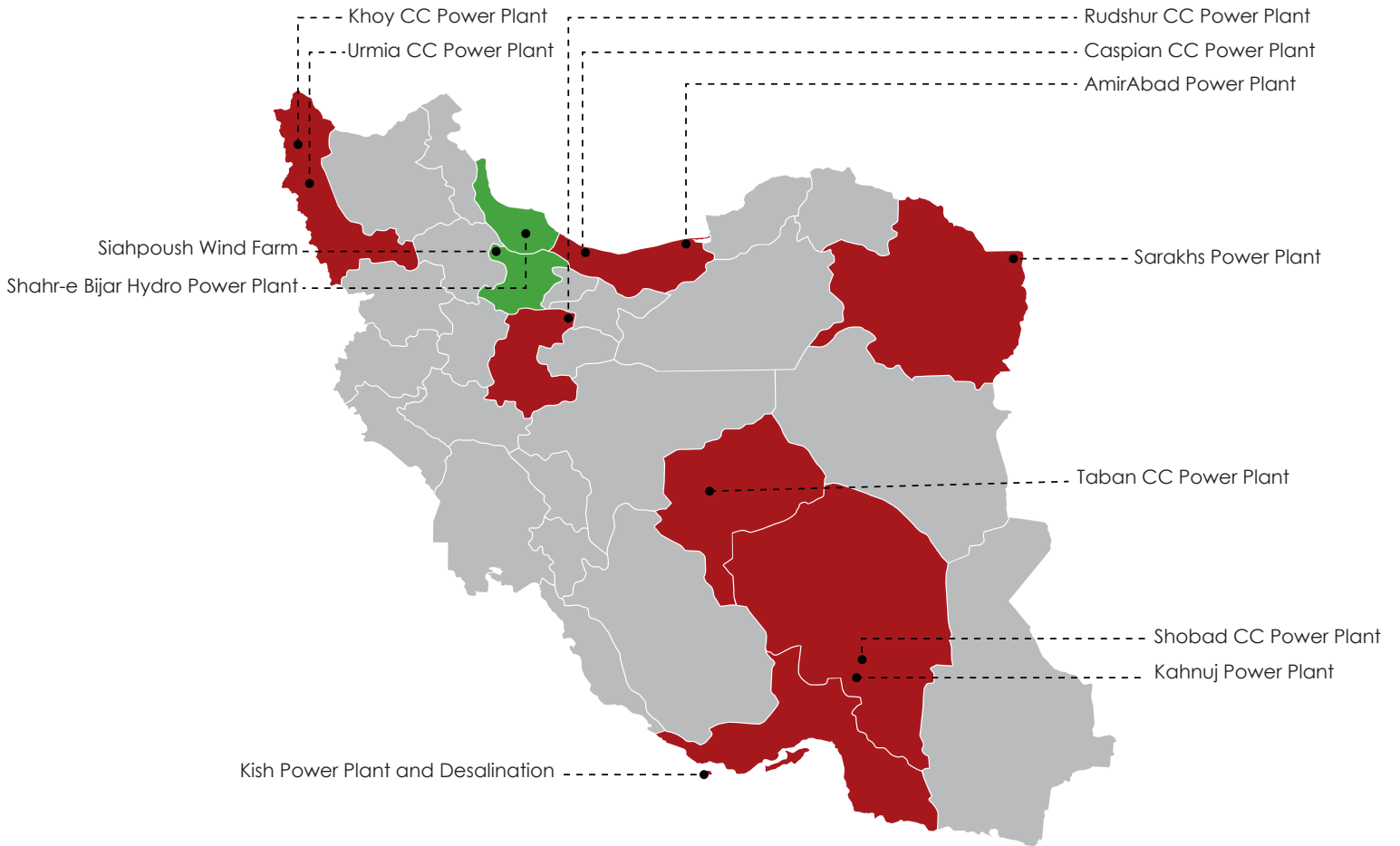
Build trust, confidence, and cooperation among company employees.



Engage in effective social activities within the vicinity of projects.



Respect the viewpoints of employees, customers, and shareholders.



MahTaab, Beyond Electricity Generation

Subsidiaries

- 2002** ● **Arian MahTaab Gostar**
Holding Company
- 2003** ● **Arian MahBaad**
Siahpoush (Tarem) Wind Farm
- 2005** ● **Shams Sarakhs Power Generation**
Sarakhs Power Plant
- 2007** ● **MahTaab Kahnuj Power Generation**
Shobad & Kahnuj Power Plants
- 2008** ● **MahTaab Sina Power Generation**
Investor in Power Generation
- 2008** ● **MahTaab Caspian Power Generation**
Caspian & AmirAbad Power Plants
- 2012** ● **MahTaab Economic Development Group**
Investor Engaging in Economic Activities
- 2012** ● **Farinam Electricity Supply**
Investor in Filed of Electricity
- 2012** ● **Farda Energy Trading**
Electricity Retailer in Target Markets
- 2013** ● **Sabz MahAab Energies Development**
Shahr-e Bijar Hydro Power Plant
- 2013** ● **AmirKabir Electricity Generation**
Rudshur Power Plant
- 2014** ● **MahTaab Kish Water & Power**
Kish Power Plant and Desalination
- 2015** ● **MahTaab Petrochemical Development**
Investor in Petrochemical Complexes
- 2021** ● **MahTaab Mines Development**
Investor in Exploring Mines

Affiliated

- 2008** ● **Parto Shams Taban**
Khoy Power Plant
- 2010** ● **Energy Gostar Jam**
Taban Power Plant
- 2010** ● **Tadbir Sazan SarAmad**
Urmia Power Plant

Electricity Generation







Rudshur Combined Cycle Power Plant

Zarandieh - Markazi

Nominal Capacity: 1137 MW

Number of Units: 3 Gas Turbines & 1 Steam Turbine

Units Type: Siemens V94.3A & Siemens SST5000

Main Fuel: Natural Gas

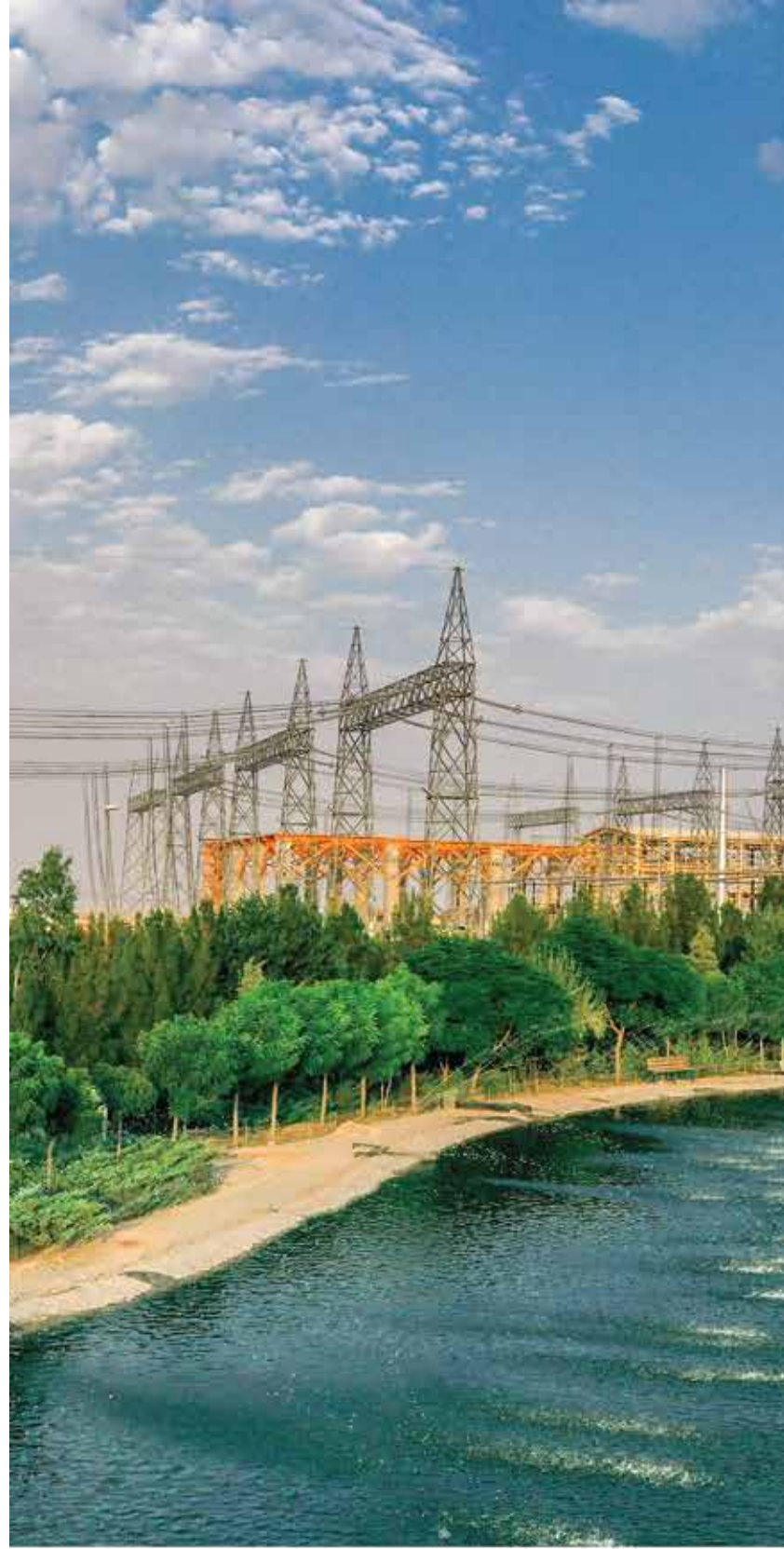
Backup Fuel: Gasoil

Nominal Efficiency of Gas Portion: 39%

Nominal Efficiency of Combined Cycle: 56.5%

COD of Gas Portion: 2007 Winter

COD of Steam Portion: 2024 Autumn







Shobad Combined Cycle Power Plant

Kahnuj - Kerman

Nominal Capacity: 484 MW

Number of Units: 2 Gas Turbines & 1 Steam Turbine

Units Type: V94.2A & E30

Main Fuel: Natural Gas

Backup Fuel: Gasoil

Nominal Efficiency of Gas Portion: 33%

Nominal Efficiency of Combined Cycle: 49.5%

COD: 2015 Winter







Caspian Combined Cycle Power Plant

Nowshahr - Mazandaran

Nominal Capacity: 460 MW

Number of Units: 1 Gas Turbine & 1 Steam Turbine

Units Type: Ansaldo AE94.3A Single Shaft

Main Fuel: Natural Gas

Backup Fuel: Gasoil

Nominal Efficiency of Gas Portion: 39%

Nominal Efficiency of Combined Cycle: 58%

COD: 2021 Spring







Tarom (Siahpoush) Wind Farm

Tarom Sofla - Qazvin

Nominal Capacity: 61.2 MW

Number of Turbines: 18 Wind Turbines

Turbines Type: Siemens SWT 3.4-108 PMDD

Turbines Height: 83.5 m

Blades Diameter: 108 m

Annual Capacity Factor: 33%

COD: 2018 Spring







Kahnuj Power Plant

Kahnuj - Kerman

Nominal Capacity: 75 MW

Number of Units: 3 Gas Turbines

Units Type: Alstom F5 & Hitachi F5

Main Fuel: Natural Gas

Backup Fuel: Gasoil

COD: 2007 Spring







Sarakhs Power Plant

Sarakhs - Khorasan Razavi

Nominal Capacity: 75 MW

Number of Units: 3 Gas Turbines

Units Type: AEG F5 & Alstom F5

Main Fuel: Natural Gas

Backup Fuel: Gasoil

COD: 2013 Summer







Kish Island Power Plant & Desalination

Kish Island - Hormozgan

Nominal Capacity: 67 MW

Number of Units: 2 Gas Turbines & 4 Gas Engines

Units Type: AEG F6, GE F5, Caterpillar & Perkins

Main Fuel: Natural Gas

Backup Fuel: Gasoil

Desalination Nominal Capacity: 5000 M³/Day

Desalination Number & System: 2 RO Skids

COD: 2016 Winter







AmirAbad Power Plant

Behshahr - Mazandaran

Nominal Capacity: 58 MW

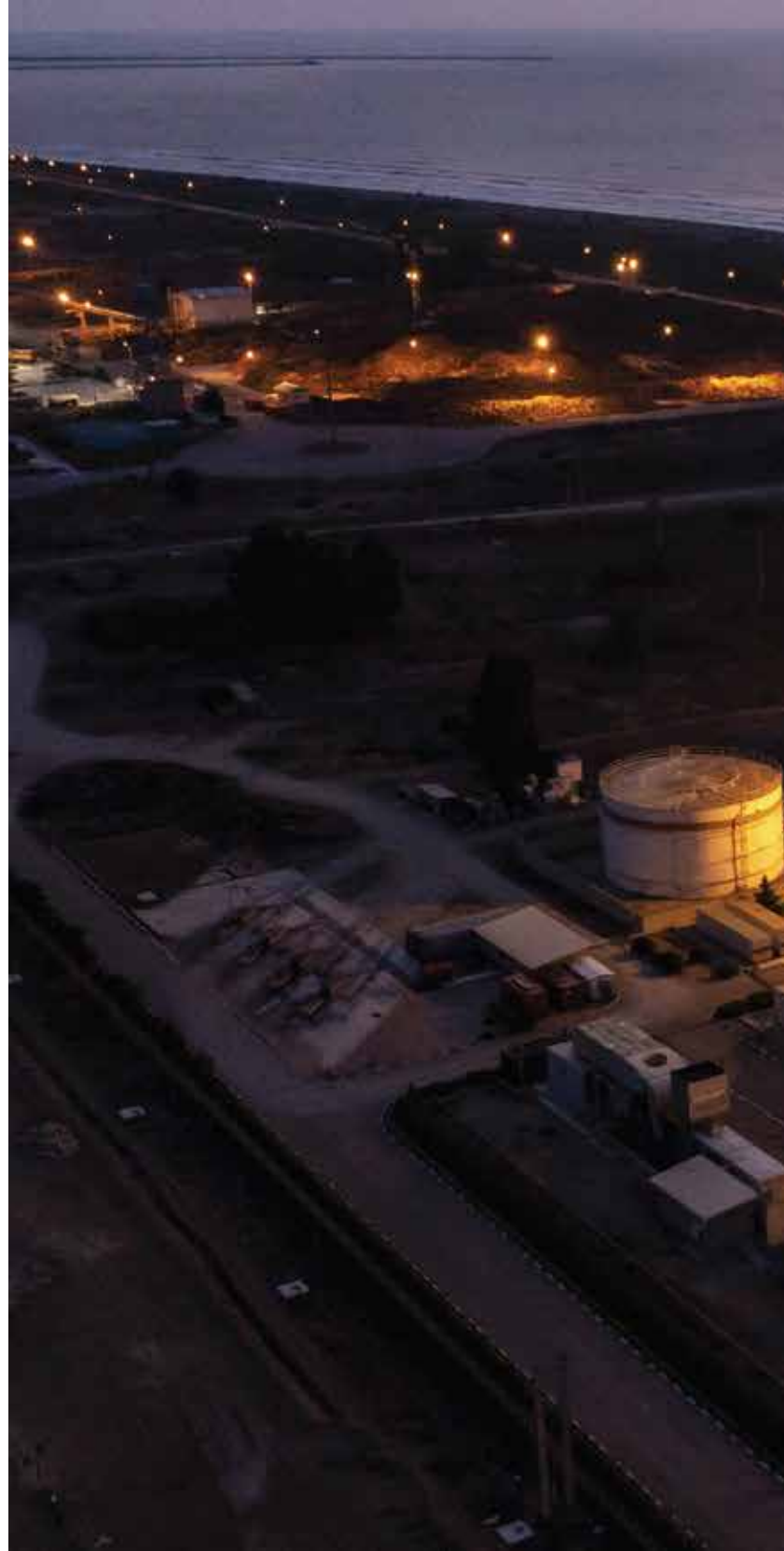
Number of Units: 2 Gas Turbines & 2 Gas Engines

Units Type: GE F5 & MWM TCG2032

Main Fuel: Natural Gas

Backup Fuel: Gasoil

COD: 2011 Autumn







Shahr-e Bijar Hydro Power Plant

Rudbar - Gilan

Nominal Capacity: 6.3 MW

Number of Units: 3 Hydro Turbines

Units Type: Francis Vertical

Nominal Turbines Alignment: 69 M

Maximum Water Flow for Each Unit: 3.3 M³/S

Nominal Efficiency: 92%

Annual Capacity: 21 GWH

COD: 2018 Winter







Urmia Combined Cycle Power Plant

Urmia - West Azerbaijan

Nominal Capacity: 1495 MW

Number of Units: 6 Gas Turbines & 3 Steam Turbines

Units Type: V94.2A & E30

Main Fuel: Natural Gas

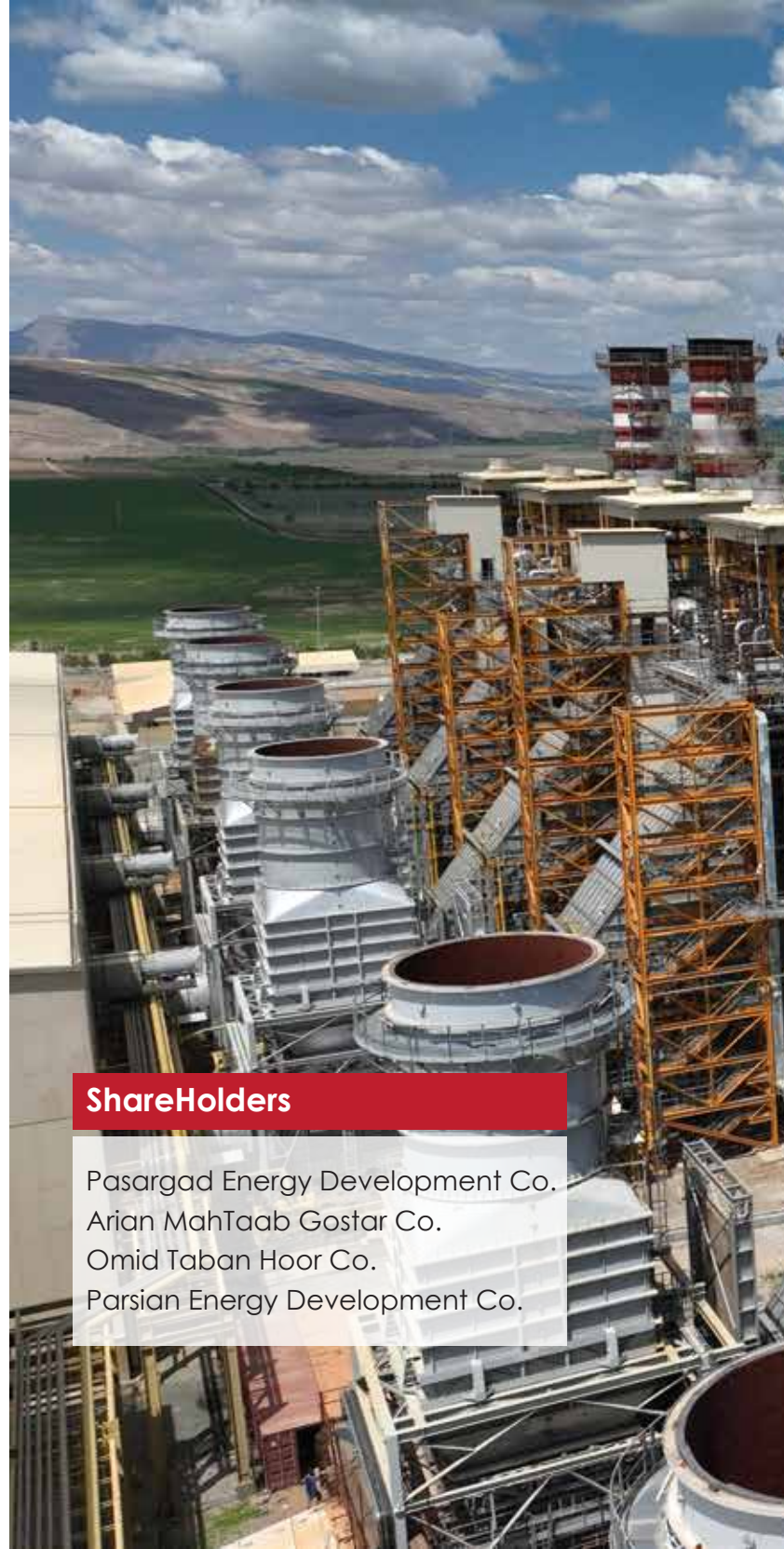
Backup Fuel: Gasoil

Nominal Efficiency of Gas Portion: 33%

Nominal Efficiency of Combined Cycle: 48%

COD of Gas Portion: 2008 Winter

COD of Steam Portion: 2020 Autumn



ShareHolders

Pasargad Energy Development Co.
Arian MahTaab Gostar Co.
Omid Taban Hoor Co.
Parsian Energy Development Co.





Taban Combined Cycle Power Plant

Ashkezar - Yazd

Nominal Capacity: 484 MW

Number of Units: 2 Gas Turbines & 1 Steam Turbine

Units Type: V94.2A & E30

Main Fuel: Natural Gas

Backup Fuel: Gasoil

Nominal Efficiency of Gas Portion: 33%

Nominal Efficiency of Combined Cycle: 49%

COD: 2018 Winter



Main ShareHolders

IRSA Power Plant Development Co.
Arian MahTaab Gostar Co.
Parsian Energy Development Co.





Khoy Combined Cycle Power Plant

Khoy - West Azerbaijan

Nominal Capacity: 350 MW

Number of Units: 2 Gas Turbines & 1 Steam Turbine

Units Type: Alstom-GE F9 & Siemens

Main Fuel: Natural Gas

Backup Fuel: Gasoil

Nominal Efficiency of Gas Portion: 31%

Nominal Efficiency of Combined Cycle: 48%

COD: 1997 Summer



ShareHolders

Energy Gostar Jam Co.
Pasargad Energy Development Co.
Arian MahTaab Gostar Co.



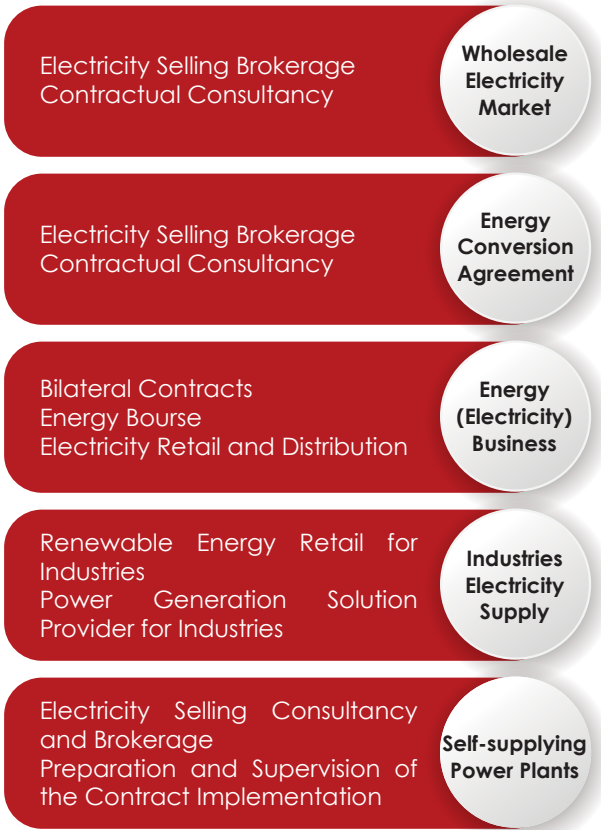
Energy Trading



Tejarat Energy Farda Company (Tomorrow Energy Trading) was established in 2012 as one of the pioneering commercial entities in the energy trade sector, aligning with the development of electricity trade in Iran.

Specifically, the company engages in buying and selling electricity from power plant companies through various channels, including wholesale electricity market, energy exchange, bilateral contracts with industrial customers, electricity retail, and electricity export.

The authorization for the company's electricity retail operations was granted in 2014, in accordance with Article 5 and 6 of the Electricity Organization Law and relevant instructions.



Oil & Gas

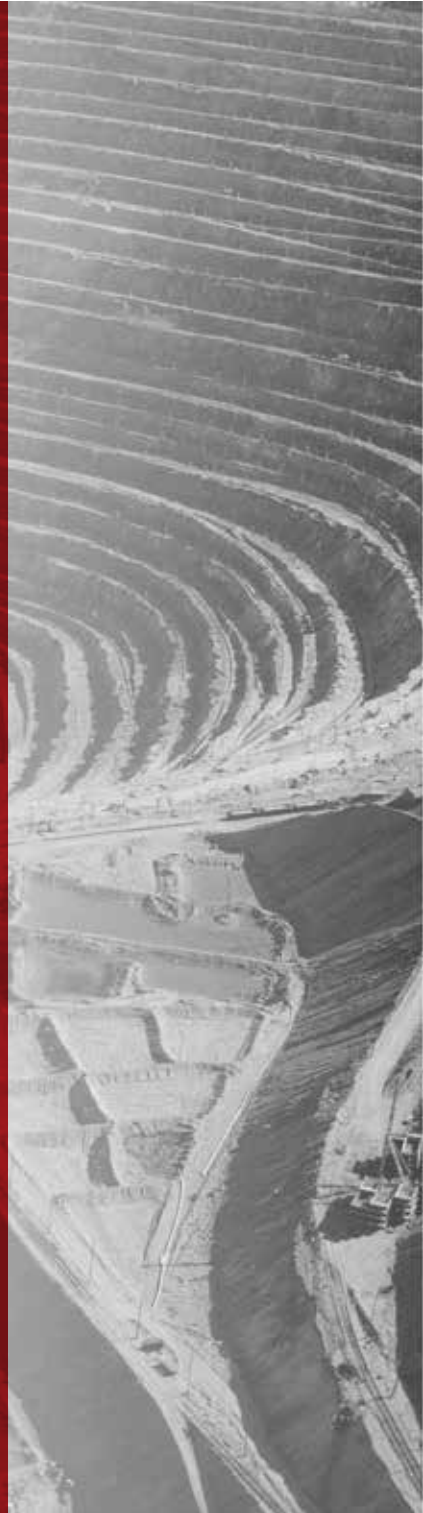


The oil and gas sector, serving as the cornerstone of Iran's development, has consistently drawn investors' attention. In recent years, MahTaab, aiming to diversify its portfolio, proposed a plan to engage in oil and gas projects. Following approval of the board of directors, an oil and gas deputy was formed.

Considering MahTaab Group's investment history and its adherence to established standards, the company is exploring various downstream fields of oil and gas and also petrochemical projects. This involves leveraging cutting-edge technology and prioritizing the production of environmentally compatible products all while ensuring proper profitability. Initial measures for several selected projects are currently in progress in this deputy.



Mine



Situated in a prominent mining belt, Iran boasts the formation of more than 64 mineral types with a potential reserve of 50 billion tons, ranking it among the world's top 10 mining countries.

In this regard, MahTaab Group has strategically chosen mining and mineral industries as a new business area to diversify its portfolio following the conducted studies.

MahTaab Mines and Mineral Industries Development Company was established to focus on metal mines, including copper, iron, gold, lead, and zinc, as well as the setting up mining industries. Having obtained the technical and financial qualifications from the Ministry of Industry, Mine and Trade, and also Iranian Mining Engineering Organization, in addition to plan to invest in the mining industry the company has registered several exploration areas which are currently under investigation and study.



Social Responsibilities



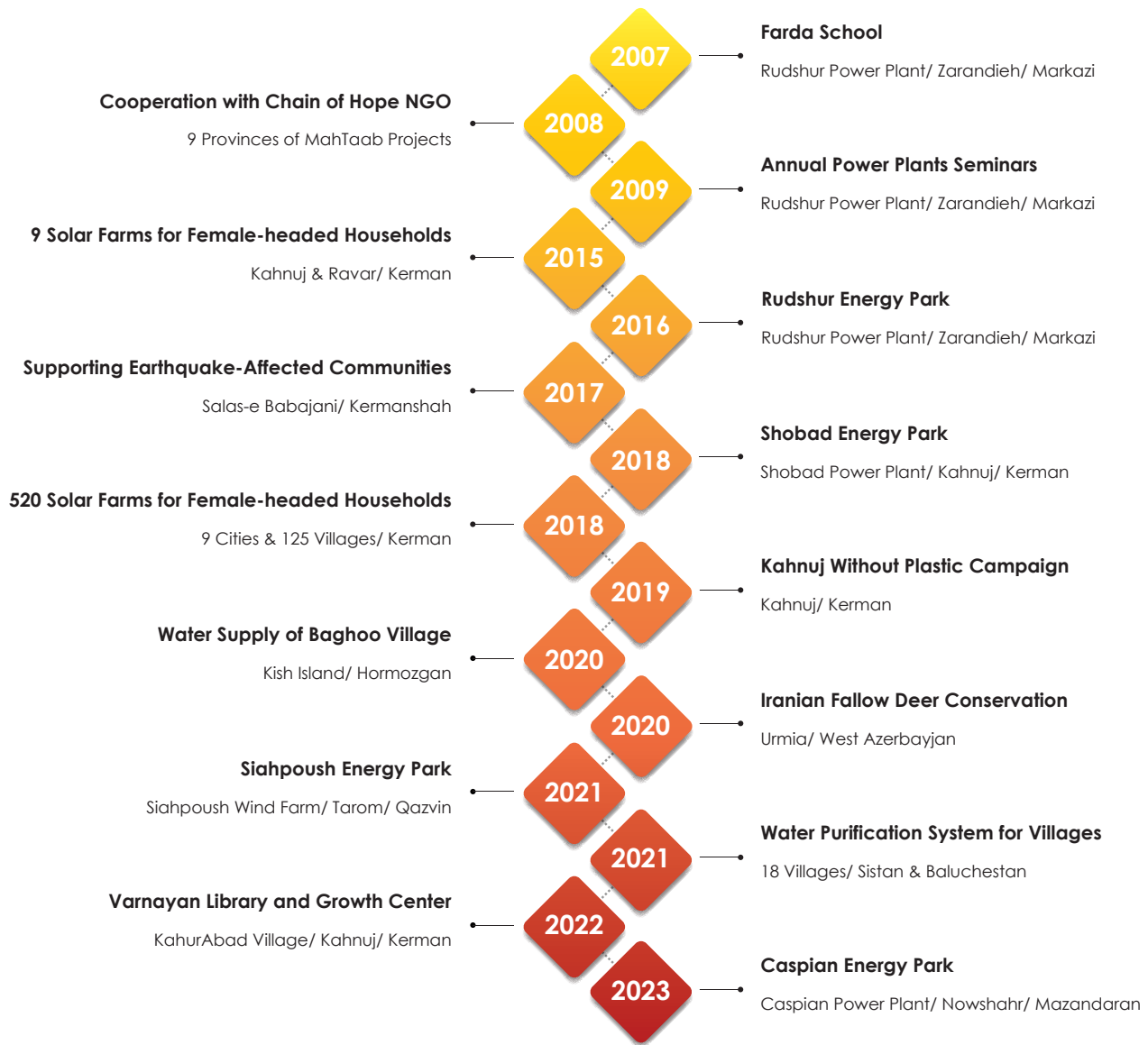


Social Responsibilities

The commitment to social responsibility is a core value at MahTaab. The company firmly believes that, beyond its business activities, it should contribute to the community's well-being. Therefore, focusing social and cultural value creation is a strategic goal alongside profitability.

In this regard, MahTaab actively participates in social and cultural activities, both locally in projects and neighborhoods, as well as in other parts of the country. This involvement is aligned with the company's strategy and is meticulously planned.

We Believe in Our Social Responsibilities



Solar Farms for Female Head of Households

MahTaab actively fulfills its social responsibility by constructing solar power plants and selling the generated energy through a 20-year guarantee contract with the Ministry of Energy, targeting female heads of households under the auspices of the IKRC (Imam Khomeini Relief Committee).

In the first step, a pilot project was launched, involving the construction of 9 solar power plants for female heads of households in 3 villages in Kahnouj and Ravar city. Starting in May 2017, the pilot project became operational in July 2017.

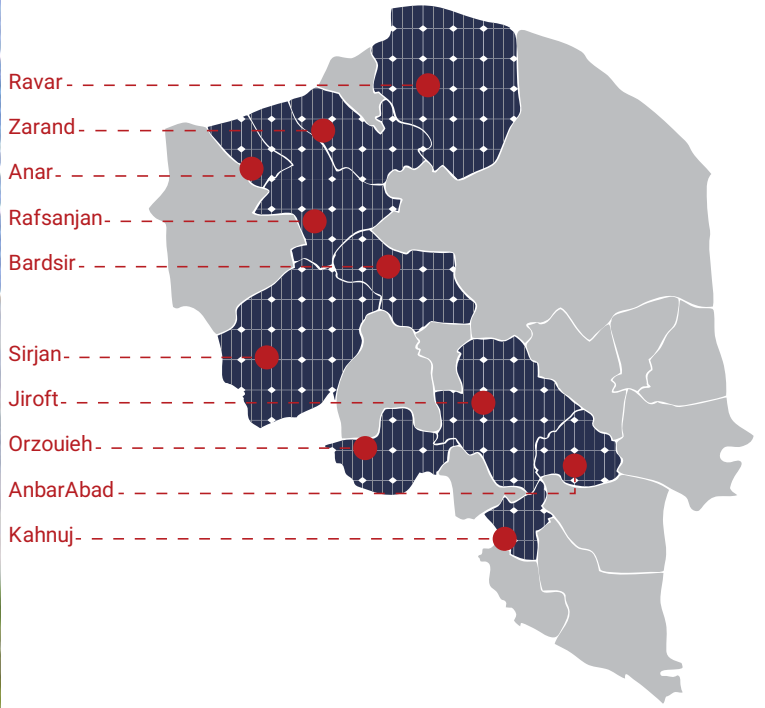
By the success of the pilot, the second phase unfolded with the construction of 520 solar power plants in 9 cities and 125 villages across Kerman province. It initiated in late 2017, reached operational status by March during that year.

IKRC, along with Mellat Bank and Mehre Iran Bank, took on the main financing role for the project. MahTaab Group leveraged its expertise to ensure optimal project execution, exemplifying a successful teamwork among various bodies and organizations to form an effective social activity.

The plan aims to establish economic and social independence through generating a stable income for 20 years, fostering dignity, self-esteem, and producing clean energy.

The Contributions of MahTaab Group:

- * Ensuring the execution of the guaranteed purchase agreement between the Ministry of Power and solar power plant owners for a 20-year period.
- * Overseeing to receive facilities from banks for the owners.
- * Engaging in negotiations with both domestic and foreign manufacturers to secure the quality of equipment and receive discounts for owners.
- * Managing the project at every stage, including engineering design, contractor selection, choosing supervising organizations, and ensuring timely grid connection.
- * Conducting training courses and establishing a centralized and online network infrastructure for technical support across all installed power plants.



Energy Parks

In a special initiative, MahTaab Group warmly welcomes the community to explore the workings of its power plants while prioritizing safety and security. Visitors will discover a charming blend of a science laboratory and an amusement park, offering hands-on experiences to bring textbook theories to life through different equipment and engaging animations.

Aligned with MahTaab Group's mission, our emphasis is on understanding energy concepts and fundamentals, especially in electrical energy. Visitors actively participate in activities that involve producing, converting, or transferring energy on a scale provided by the park's equipment.

Entry to MahTaab's energy parks is not only free but also comes with insurance coverage for all visitors during their stay, ensuring a secure and memorable experience.

Beyond energy-related concepts, based on the park's location, local capabilities, and time conditions some other additional initiatives will be allowed in visit programs to contribute to have a better generation. These ongoing programs, focused on the environment and culture in social fields, enrich the visitor experience.

The main audience of energy parks includes students from the fourth to twelfth grade, as well as school principals, teachers, and families. They can participate in half-day camps by scheduling in advance through the appointment system or by phone.

Reservation: ep.mah-taab.com

Instagram: [@energypark_csr](https://www.instagram.com/energypark_csr)

Telegram: [@energypark_csr](https://www.telegram.com/@energypark_csr)



Kahnouj Without Plastic Campaign

To leverage the potential of students visiting Energy Park in promoting a culture of reduced plastic consumption, the "No to Plastic" campaign is actively working to transform Kahnouj into a model of a plastic-free city. The campaign has clear goals, including cleaning the environment from plastic, fostering a culture of diminished plastic usage, and creating a sustainable environmental model for Kahnouj city. Implemented programs under this campaign include:

- * Honorary Sweepers Project: Engaging citizens in a collective effort to clean the main roads of the city.
- * Waste Separation: Encouraging students to separate dry waste at home and deliver it to the entrance of Energy Park.
- * Educational Workshops for Teachers: Conducting workshops tailored for elementary school teachers, empowering them to educate the next generation about environmental conservation.
- * Pyramid Challenge: Initiating a challenge to clean schools from garbage and developing it by teachers.
- * Garbage-Free Street Plan: Implementing a plan to reduce the dispersion of industrial waste.
- * Green Exercise Festival: Organizing a festival with the goal of fostering morale and enhancing teamwork motivation among students.





Water Purification System for Villages of Sistan and Baluchistan

In the ever-changing climate of Sistan and Baluchistan Province, where frequent heavy rains replenish water sources in pits, the village of Hotag or Hotak acts as a key pit for drinking and agricultural needs. However, it encounters two main challenges: health and safety.

Recognizing this, in May 2021, MahTaab took a significant step by installing and commissioning equipment for rainwater harvesting and purification. A 2,200-meter pipeline was constructed to efficiently supply purified water to 14 villages in Chabahar and Konarak. This initiative involved both the poor quality of water for drinking and the associated health risks, including the danger of children's falling into pits or drowning while fetching water in containers, as well as gastrointestinal and blood-related diseases.

Notably, the impact has been substantial, with over 11,000 residents benefiting from access to safe and drinkable water.

Supporting Earthquake-Affected Communities in Kermanshah

In response to a devastating earthquake in Kermanshah, MahTaab Group, in collaboration with MahTaab Sazan Iranian Charity Foundation and Hirbodan Company, initiated a project to construct 65 livestock facilities for the residents of Gholeh-Rash-Vali village in Salas Babajani County within 45 days presenting a pioneering model for post-disaster employment. Each of these, measuring 45m², can accommodate up to 30 livestock and boasts earthquake resistance up to 8 Richter magnitude.

Given that animal husbandry is the main source of income and employment for the residents of Gholeh-Rash-Vali village, this initiative directly addresses post-earthquake challenges, ensuring employment and income security.

The project reached successful completion in April 12th, 2012, as livestock facilities were delivered to their owners. To celebrate this achievement, a public celebration took place in May 6th, 2018, at the project site with the participation of all residents of the village.





Farda School

Farda School, the School for Tomorrow, established in 2007 at the heart of Rudeshur Power Plant, exemplifies cutting-edge international practices and methods. It introduces workshop-centric programs for pre-school to 3rd-grade teachers and students.

Participants engage in half-day camps, experiencing an innovative educational environment that fosters curiosity, inquiry, and student independence. The workshops emphasize diverse talents, individual differences, and uniqueness, striving to create an enjoyable and lively atmosphere.

Reservation: ep.mah-taab.com

Instagram: [@energypark.csr](https://www.instagram.com/energypark.csr)

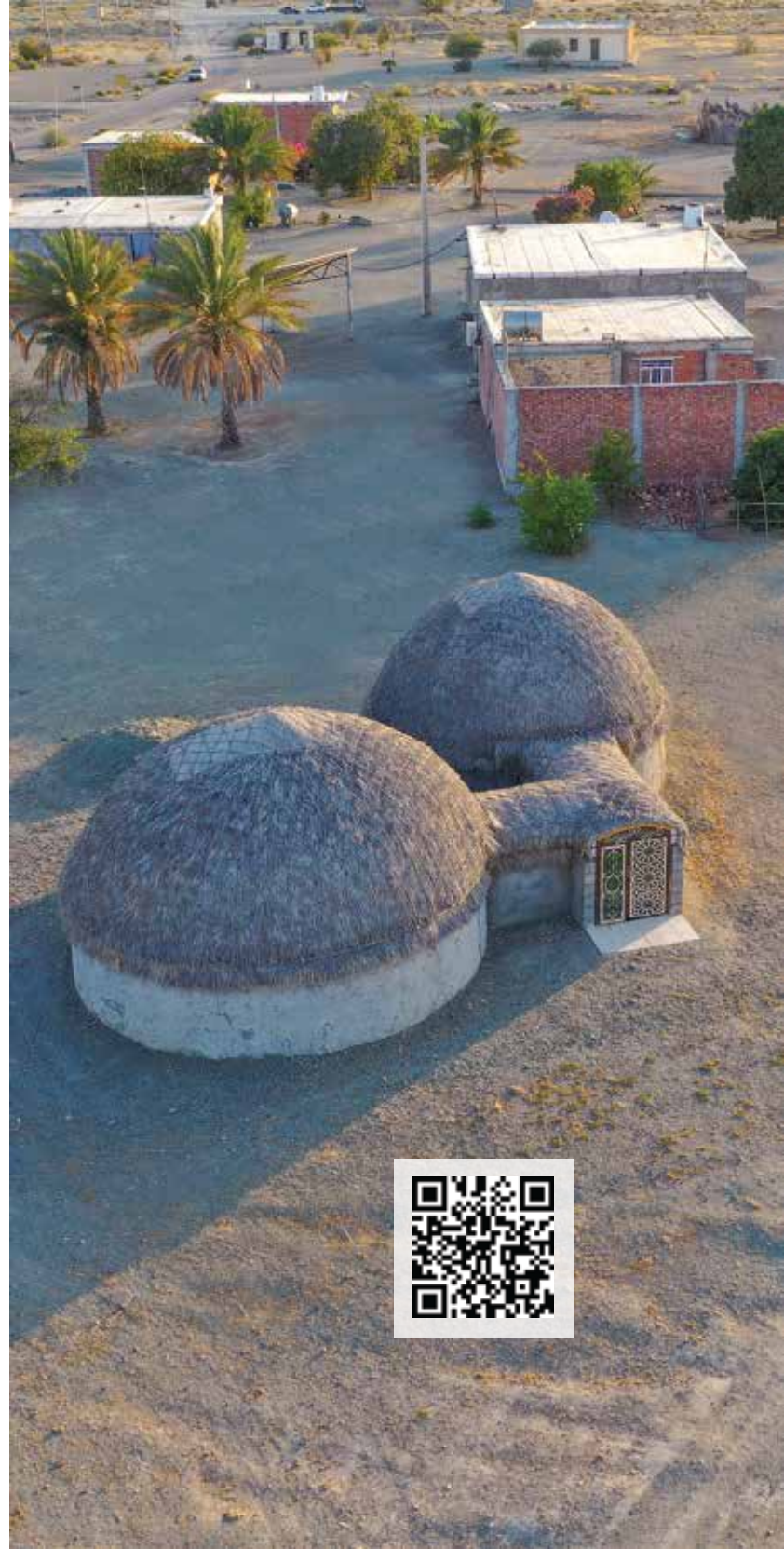
Telegram: [@energypark_csr](https://www.telegram.com/@energypark_csr)

Varnayan Library and Growth Center

In 2017, MahTaab Group conducted a comprehensive study of two villages in Kahnouj City, pioneering a project that equipped installed solar energy on mosque roofs. The generated income, overseen by MahTaab, offered the exploration of social business development concepts and capacities within this village.

Responding to the suggestion of Kahurabad's youth, two local-structure rooms were built from the solar system's income. One room now serves as a village library and study hall, while the other is a versatile space for holding meetings and screening movies.

Varnayan Cultural Building stands as an intimate public haven, fostering community gatherings and providing diverse learning opportunities across various levels. This initiative aims to empower villagers, enhancing their skills, elevating their quality of life, and increasing productivity in their businesses.





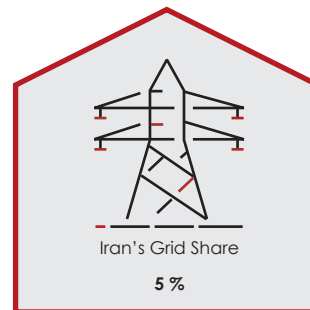
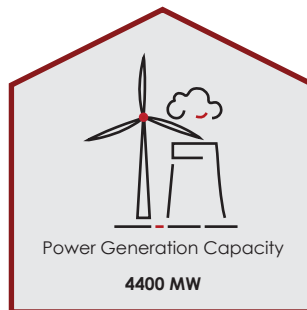
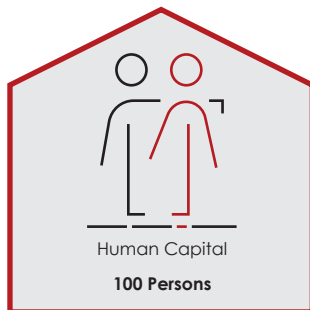
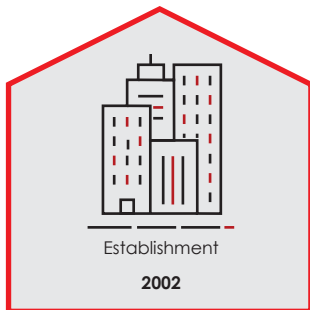
Iranian Fallow Deer Conservation

The Iranian Fallow Deer, once in danger of extinction, breathing new life into this valuable species through the dedicated efforts of the Environmental Protection Organization in Ashk Island of Lake Urmia. With a growing population, a relocation to the historic habitat in the Zagros Basin was successfully undertaken.

Tadbir Sazan Saramad Company has proudly declared both financial and moral support for this endangered species through a long-term cooperation agreement with the Environmental Protection Organization of West Azerbaijan province.

In this memorandum, Urmia Combined Cycle Power Plant is committed to contribute to the restoration of the Iranian Fallow Deer. Additionally, the plant commits to meet the protection and maintenance needs of this invaluable species.





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