

'Sustainable Buildings' in Iran



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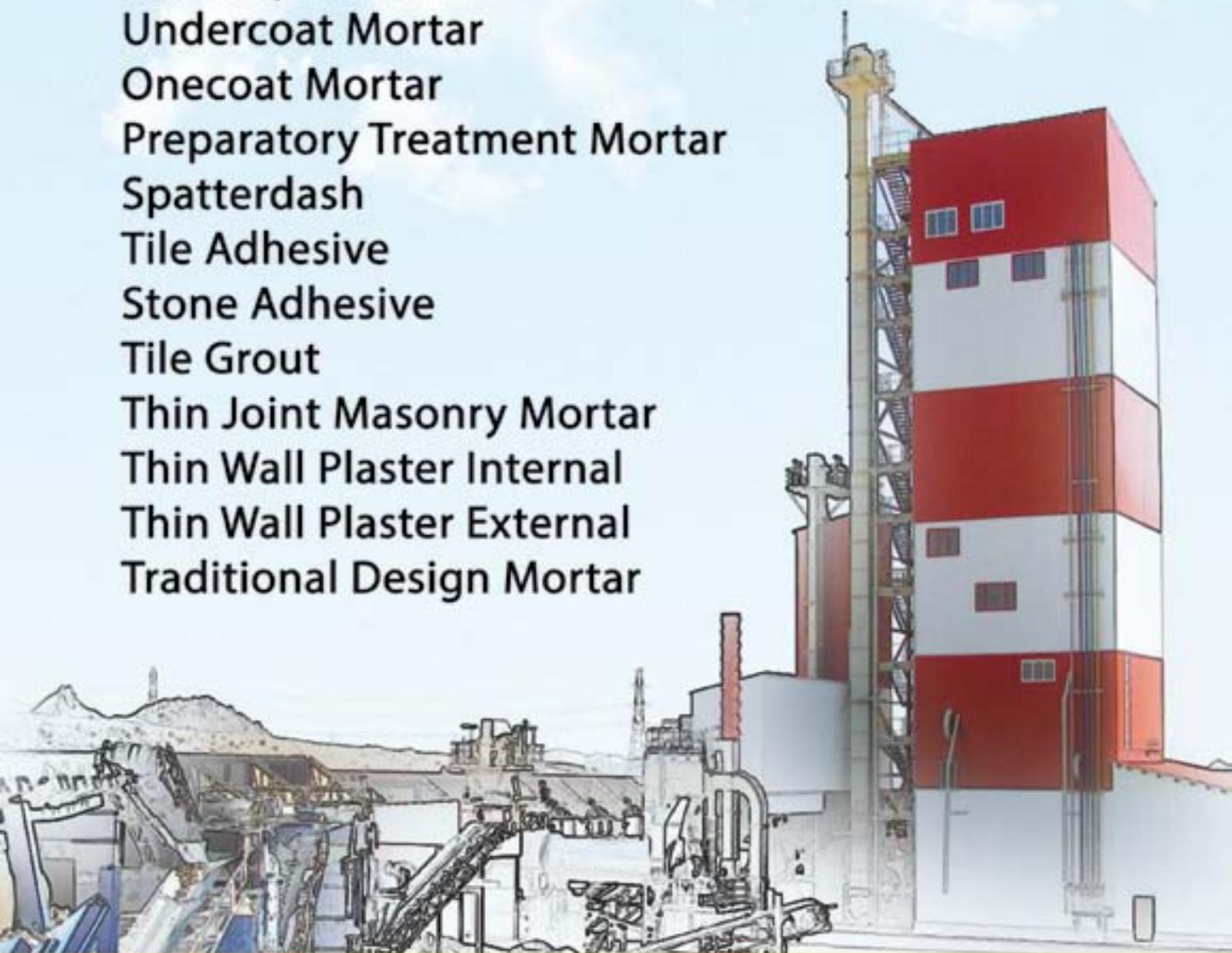
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The first manufacturer of high quality galvanized sheet in Iran

Kashan Amirkabir Steel Co, previously called Fajr Sepahan Galvanizing Industries Co, the first manufacturer of hot-dip galvanized sheets, was founded in March 1995 aiming at producing hot-dip galvanized sheets and was launched in 2000. The company is spread over an area of 72 hectares located 14 kilometers east of Kashan, Isfahan Province. Products of Amirkabir Steel Co. currently include, galvanized sheet with commercial quality, Cold rolled Full hard sheet, deep drawing cold rolled sheet with commercial quality and also pickled sheet.

Production lines:

- 1- Pickling Line
- 2- Acid Regeneration Plant
- 3- Cold Rolling Mill
- 4- Box Annealing Line
- 5- Continuous Galvanizing Line
- 6- Roll Forming Line
- 7- Sheet Shearing Line

Export

The use of up-to-date technology and compliance of its products with international standards have won them domestic and foreign customers.

Galvanized products have been exported to Italy, Turkmenistan, Armenia, UAE, Iraq (Erbil, Sulaimaniyah, Basra and Baghdad) and Afghanistan, in addition to domestic supply.



Address: Kashan, 14 km of Kashan – Ardestan Road
tel: +98 3155503841 – 7 P.O.Box: 1534
Postcode: 8735168313 fax: +98 3155503848



- Product: Galvanized sheet
- Winner of the Four-Star Award for National Excellence Award
- Winner of the silver image on Observing Consumer Rights
- Winner of the silver image as Green Industry
- Winner of the four-star award for EFQM Excellence Model

www.AKSTEEL.ir

info@aksteel.ir



توسعه منابع آب و انرژی
TOSSE MANABE AB VA ENERGY

TOSSE MANABE AB & ENERGY

TOSSE MANABE AB & ENERGY Co. is one of the largest contractor companies in IRAN which has more than 30 years of experience in construction projects, especially in dam and tunnel construction (mainly with TBM).

The main activities of TMAE are: 4.500.000 m³ of concrete casting, 85 km of tunnels, 370 km road construction, 110 km of piping, 22.000 m² building, 10.000 ton heavy steel works, 22.000.000 m³ of excavating, and 35.000.000 m³ of embankment.

The main fields of TMAE activities include:

- ✔ Dam and power plant construction
- ✔ Tunnel construction
- ✔ Metro construction
- ✔ Hydraulic structures
- ✔ Road construction
- ✔ Concrete heavy structures
- ✔ Building construction
- ✔ Facilities and equipment
- ✔ Oil & gas

Website: www.tmae.com

Tel: +982188881945, +982188772485 Fax: +982188882780



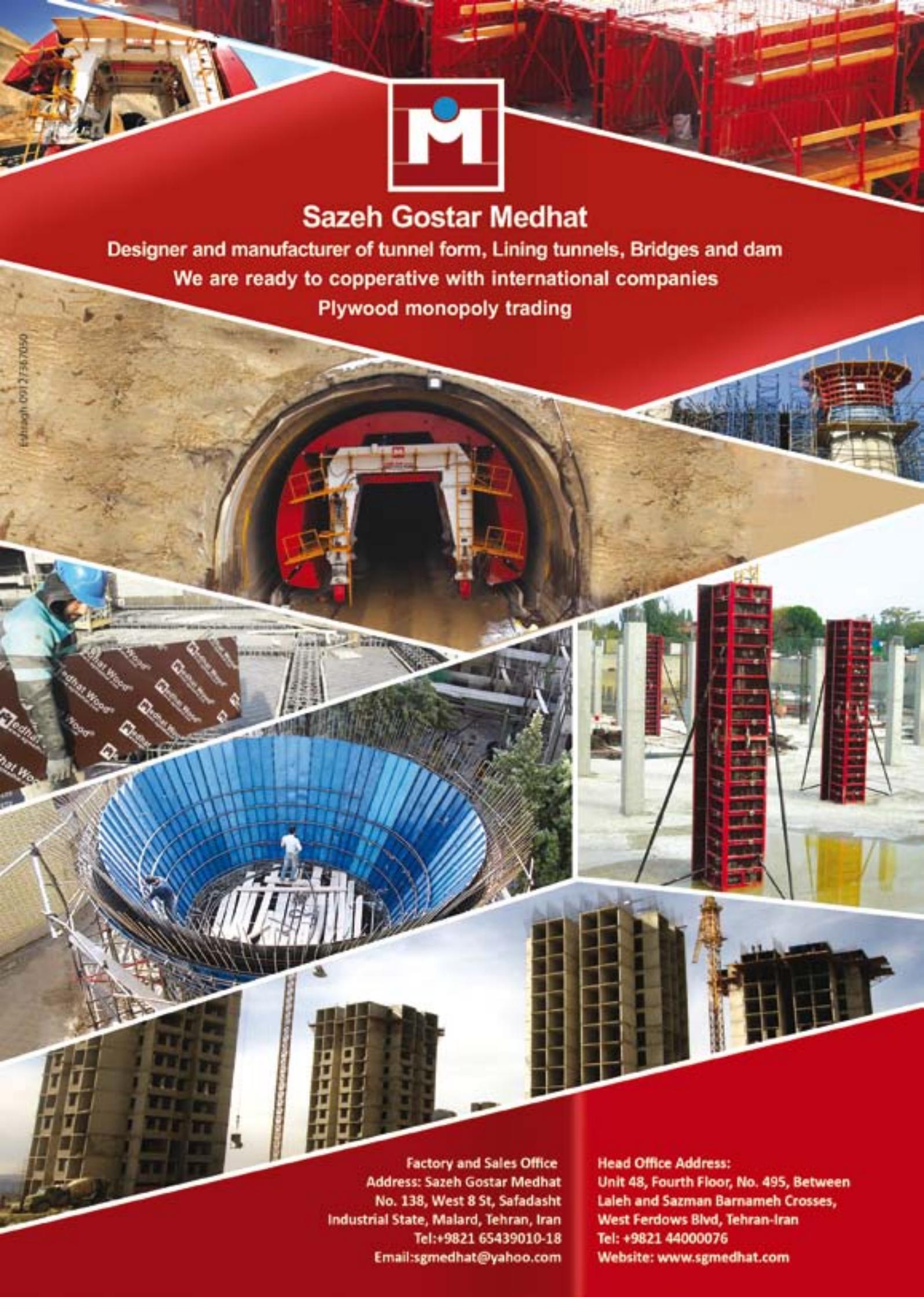
Sazeh Gostar Medhat

Designer and manufacturer of tunnel form, Lining tunnels, Bridges and dam

We are ready to cooperative with international companies

Plywood monopoly trading

Edinburgh 00127387050



Factory and Sales Office
Address: Sazeh Gostar Medhat
No. 138, West 8 St, Safadasht
Industrial State, Malard, Tehran, Iran
Tel: +9821 65439010-18
Email: sgmedhat@yahoo.com

Head Office Address:
Unit 48, Fourth Floor, No. 495, Between
Laleh and Sazman Barnameh Crosses,
West Ferdows Blvd, Tehran-Iran
Tel: +9821 44000076
Website: www.sgmedhat.com



Advantages selection of waffle ceilings of Sahand Sazeh Beton Company in projects:

1. In according with the provisions of clause 9 of the national building and ACI and modeling with the latest software editing software. (In accordance with the regulation of Iran and the world)
2. Remove the double arc in longest openings above 7.5meters.
3. Remove metal molds joints and foam and oiled molds in structures.
4. The distance between the axis and the axis in each column in high and high buildings 10to13 meters. Low rise building such as the 16 meter high cultural and sports complex.
5. Supply architectural requirements, control vibration of the ceiling without the need for pre-stress, earthquake resistant, delete middle columns and increase the number of parking lots.
6. Store waffles in the shortest time, carry and easy to install, fast and economical and usable (like the metal mold)
7. Reducing concrete consumption and reducing the reinforcement and dead load of structures by 40%.
8. High safety against fire, environment-friendly, expose concrete.
9. Easy access and free installation of the facility from Sahand Sazeh Beton waffles and avoid insulation decay and cheap repair.
10. Remove the pendants of the beams, (the ceiling is flattered)
11. Decrease the false ceiling flooring and increase the useful up grade.
12. Roof and ceiling integration in two ways. (As a one-way and two-way slab).
13. Removing joinery in the industry connectivity and parking lots as expose concrete.
14. No need for heavy metal reinforcement and scaffolding and paving and wedge molds and metal slab molding.
15. Ease of implementation and high speed run.

Sahand Sazeh Beton Services:

Initial Analysis Address The ramp is completely free of change handling phase 1 services, the appropriate amount of concrete and fittings consumed, and provide the ramp. Preparation of casting and concrete plans
Implementation of the waffle roof system and monitoring the implementation of the system
Testing and monitoring the indicators of casting and supplying waffle templates



کد: W102
 102x102x20mm

کد: W104
 104x104x20mm

Can be changed in different sizes in any direction



Sahand Sazeh Beton



Factory address:

Sahand Plastic Kavosh Co.
 Tehran -19th Km Karaj Makhsoos Road
 Phone:(+98)21-44987812-13
 Mob:09123691030 (Engineer Mr Solgi)
 Mob:09126990953 (Engineer Mr Majidi)
 Fax:(+98)2144984409
 Email:sahandsazebeton@gmail.com
 Website:www.sahandsazeh.ir





سازمان راه‌سازی و حمل و نقل جاده‌ای



وزارت راه و شهرسازی

MINISTRY OF ROADS & URBAN DEVELOPMENT ROAD MAINTENANCE & TRANSPORTATION ORGANIZATION (RMTO)

INVESTMENT OPPORTUNITIES BRANDED ON-ROAD CHAIN SERVICE AREAS

On – road Service areas are established in order to provide overseas as well as domestic travelers required Services alongside Iran roads network together with other accommodations including treatment favors Fuel stations and so forth

Row	Title of project	Location of project	Description of Project	Type of capital the project needs	Is there any feasibility study	Explanations
1	Creation of transport towns	at country level	Construction of transport towns for accumulation & settlement of companies and heavy vehicles	Land Financing	by private investors (sector)	To make safety and non-accumulation and passage of vehicles through cities
2	Service Areas	National connecting roads	Construction of Service Areas along roads sides	Financing	under study	To supply welfare for passengers and Tourists

🏠 No.17, Dameshgh st., Valliasr sq., Tehran, Iran 🌐 www.rmto.ir 🌐 www.141.ir

☎ +982188804379-88 📠 +982188947825 ✉ 1416753941 @ info@rmto.ir





Current Situation & 2nd Generation of Iran New Towns

New Town Development Company (NTDC) of Iran is a state owned company which is responsible for developing new towns across the country

- 17 New Towns with approx. 4 million population capacity. Currently, 800,000 people are residing in them
- Expected population in 5 years will reach 2.5 million (17 New Towns)
- There exists 13 New Towns/ 2nd Generation projects under consideration and designing process

Investment Advantages in New Towns

- The New Towns of Iran have large investment capacity in different fields due to following reasons:
 - The exponential growth of population
 - The Mega scale of some of the New Towns demand mega scale investment.
 - Crucial regional role provider

Address: #25 Khodami St. , Vanak Sq. ,Tehran, Iran

Phone: +982188884164 & +982189356725

Website: www.invest.ntdc.ir



Investment Opportunities

ID	Land Use
1	Residential
2	Commercial-Service
3	Sport
4	Recreational
5	Medical
6	Railway
7	2 nd Generation of New Towns



"IR. Holding is the Gateway to Iran's Building, Construction and Road industries."

IR. Holding company is a premier private listed holding company based in Tehran, Iran, active in various sectors including building, construction, roads, transportation, renewable and green energy, etc. With over 16 years of high-level successful collaboration with the private and public sectors of Iran, IR. Holding is now active in the Middle Eastern and International markets.

IR. Holding's portfolio was gradually built up within a few selected industries. The entry into each new industry was carefully considered and often structured to take advantage of IR. Holding's unique access, partnerships, collaborations and credibility in the related industries both locally and regionally.

Departments:

- Iran Building Magazine – Sakhteman Magazine
- SAMA-news Agency and the main Analytical website of Building, Construction, Roads and Energy industries of Iran
- Advertisement and Marketing Department of SAMA
- Conferences & Seminar Center of SAMA
- Department of Exhibitions
- Department of Education
- International Business Services
- Real Estate and Investment
- Directory of Iran's Building and Construction Industry
- Central Information Center of Iran's Mass-builders

Iran Building Magazine

Iran Building Magazine –Sakhteman Magazine– was created with industry leaders in mind and is the most trusted and influential resource available for the decision-makers in Iran's Building and Construction industries.

As nation's leading publication on building, construction, roads, energy and as one of the leaders in Iran's green and sustainable construction publications, Iran Building magazine inspires, educates and delivers authentic information to building and construction professionals, officials and consumers across Iran and in different countries.

Published monthly, each edition features top executives and their businesses from around the world and provides in-depth analyses of the critical issues of the day. No other publication comes close to its leadership, elegance of design and quality of writing. Readers count on Iran Building Magazine as their main and number One source of industry insight.

>> 100% original content

>> Readers in all over Iran and subscribers from 38 different countries

>> 85% of audience are active in the industry or are involved in Building, Construction and Road operations



Advertorials in Iran Building Magazine

Do you have a Special product, service or project that you'd like to promote?

Iran Building Magazine is now offering 'advertorials' available in one-or two-pages. Advertorials are articles that include a marketing message. They are a very attractive advertising option that allows you to present your message in an informative and educational way to our readers. The idea is to present an existing problem or condition in a written one/two page article and then provide a solution that is your product or service! As a bonus, you can accompany your advertorial with an advertisement. This opportunity is the perfect way to spotlight your products, services or accomplishments as a company.

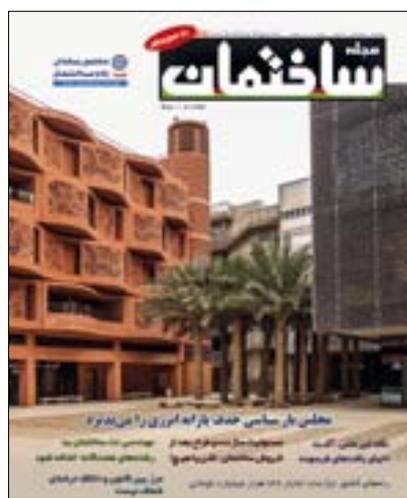
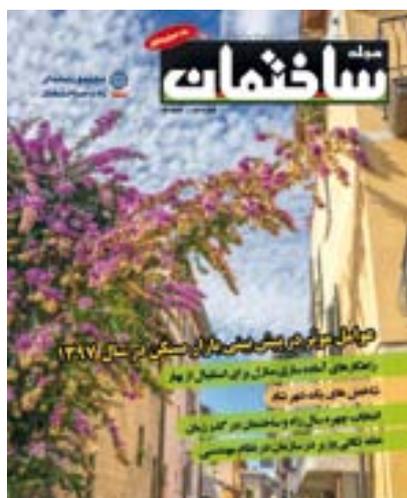
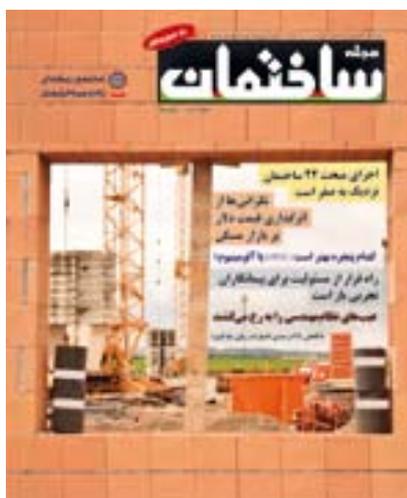
The advertiser supplies:

- Headline- (8 words max)
- Sub-Head- (12 words max)
- Body Copy- (300 words)
- Microsoft Word Format
- 1 HD Photo
- Full Company Information

Reserve a full-page advertorial in an issues of Iran Building Magazine.

Contact us

Tel: +982122853530 Email: r@irholding.ir



Marketing And Advertisement

Regional and International brands that desire unrivaled access to a viable niche audience:

- Advertisers who want to reach the owners and leaders of Iran's building , construction and road economy.
- Advertisers who need additional brand awareness for their Iran Market
- Advertisers with new products or services.
- Retailers who need to generate or increase sales, both online and in-store all over Iran
- Brands that are highly competitive and have exclusive or limited-edition products.
- Marketers who their target market are Iranians.

Strong connection with both Governmental and Private Sectors of Iran such as the Urban Development, Building and Construction industries, Close working relation with the Iranian Engineering Council in all its 31 provinces in Iran and professional collaboration with the Mass-builders Community of Iran with its over 6,000 mass-builders all over Iran, beside our long-lasting and close working relation and collaboration with some of the top private companies, businesses and brands, are some of our very valuable connections and collaborations that keeps us the One and Only reliable holding in Iran's Building, Construction and Road industries and makes us stand at the Top.

We act as your single window solution for starting and promoting your business in Iran, or marketing your products and services in Iran's fast growing business environment, with the best marketing solutions in any of the Construction, Roads and Building fields including Architecture, Mass-Building, Roads and highway construction Interior design and Decoration, Reconstruction.

Contact Us: r@irholding.ir +98 21 22853530 (Ext 9)



Real Estate Marketing

As a veteran full-service real estate and home builder marketing and advertising agency, IR. Holding knows what it takes to attract in-market investors and home buyers to improve your sales goals. We offer a multitude of marketing and advertising strategies that have proven to work effectively within the industry. Your firm won't have to worry about what campaign to run on a monthly or quarterly basis and how to promote them for their Iran market; we're equipped to handle all of that and more.

We create digital and creative experiences for the commercial real estate industry. Our clients look to us for solutions relating to visual design, advertisement and marketing, online and offline strategies, lead generation and our overall experience to help them maximize exposure

and create opportunities.

We are comprised young and dynamic team of real estate marketing professionals, digital technology specialists and creative designers.

Together, we have a clear understanding of the marketing and advertisement needs of the real estate industry in Iran and the expertise to create solutions to serve these needs.

Real Estate Marketing

Our expert team can help you stand out from the crowd, we offer a full range of services required to do just that. It is important for potential clients to have a sense of who you are in order to establish a trusting relationship, this is where real estate agent marketing comes in. Our team can provide you with the necessary real estate marketing and advertisement tools to achieve this.

Contact Us: r@irholding.ir +98 21 22853530 (Ext 9)

Business Services

IR.Holding has a wide and strong collaboration and connection to the suppliers of building and construction products across Iran. For example companies and manufacturers of cement, tile, stone, steel, glass and many other products related to the industry are among the products that IR.Holding collaborates with their producers, and is the executive partner covering their international markets. IR.Holding has the ability to supply quality products with their best price to its International customers and is capable of covering all the construction project products to its valuable clients.



IR.Holding can be your trusted provider of all raw materials from Iran's local markets and producers. Raw material suppliers from all over Iran are connected to IR.Holding providing lowest prices of the best raw materials in Iran's markets, therefore providing raw materials from all industries of Iran without limitations on numbers and amounts to different destinations across Iran's borders and international destinations is one of IR.Holding's most welcomed services by its international customers.

Contact Us: r@irholding.ir +98 21 22853530 (Ext 9)



Conferences And Seminars

Conferences and Seminar Center of SAMA is one of the leading centers for national and international seminars and conferences, gathering the most high ranking and influential people related to the building and construction industries and other industries of Iran such as renewable energy and green production.

Conferences and Seminar Center of SAMA has been successfully active since 2008. The importance of experiences is highly increasing, we connect with our audience through conferences, events and temporary happenings. Alongside conceiving and producing our own events such as The Annual conference of Sustainable Building and Energy Efficiency and The Annual TOP Leaders of the Year Awards, we also advise brands and trade fairs on how to drive traffic and add meaning to theirs. Whether through curated exhibitions and showroom events, panel discussions with leading creators, or awards that honor companies and individuals positively active in the industry from around the globe.

We invite you to collaborate with us to create memorable conferences, seminars, events and experiences. IR. Holding specializes in creating a combination of performance focused strategy, creativity and technical know-how with a can-do approach for our local and international clients. We have the luxury of being able to do the most creative and strategic things an event company can do. But our advantage is also that we own the strongest media platforms in the market, that gives our clients extra leverage.

Contact Us: exhibition@irholding.ir +98 21 22853530 (Ext 9)



The Annual conference of Sustainable Building and Energy Efficiency

After three years of success, the Annual National conference of **Sustainable Building and Energy Efficiency** is becoming an International Conference for its fourth year.

Sustainable building and Energy efficiency Conferences play a very vital role in the country's vision to generate sustainable building and more efficient and cleaner energy, this conference has indeed captured the attention of the global building and construction, renewable and green energy industries since the beginning of 2017. Each year, the Sustainable building and Energy efficiency conference is attended by the most important authorities and companies of Iran, including distinguished guests, delegations & policy-makers from all over Iran. These leaders in the industry were at the Sustainable building and Energy efficiency conference to participate in the conference and seminar and visit the exhibition as well as give key-note addresses in support of investment promotion policies, business opportunities and future plans. As a result the Sustainable building and Energy efficiency conference has proved to be a top national event!

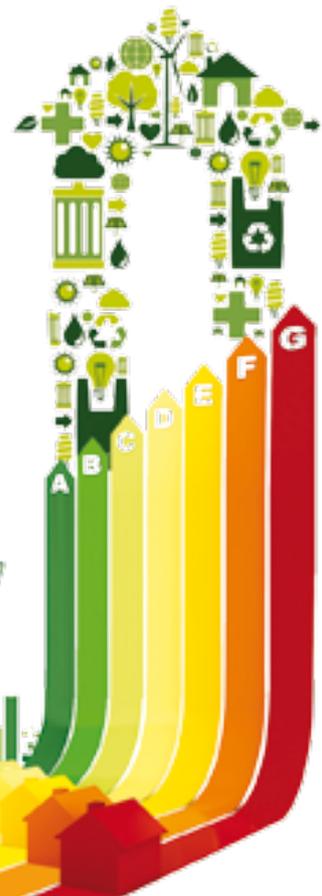
This year coming from around the world to meet in Iran, the conference will focus on how to tackle the dual challenges of a rising demand for sustainable building construction and energy efficiency.

The Sustainable building and Energy efficiency conference will bring together regional and international industry stakeholders to discuss how we can meet our sustainable building and energy efficiency challenges. Hence we at IR. Holding will be hosting this international event scheduled to take place on December in Tehran, Iran. This two day platform has been developed to provide all the participating organizations with an exclusive insight into the Iran's Sustainable building and Energy efficiency market. This summit will provide all the participating organizations with an excellent opportunity to meet, network, exchange ideas and come up with real-time solutions to some of the world's most pressing issues. We at IR. Holding request all the Regional and International Experts, Government Authorities, Key Stake Holders involved in the upcoming Building, Construction and Energy projects and Solution Providers to actively participate in this International conference.

The conference will bring together the entire value chain of the sustainable buildings and energy efficiency industries; government and regulatory bodies, producers, buyers – current and potential, technology solution providers, innovators, supply chain partners, end users, international firms, traders and international associations.

The event organizers at IR. Holding are at your disposal to provide detailed information about the Exhibition and Conference and all related inquiries.

Contact Us: exhibition@irholding.ir +98 21 22853530 (Ext 9)



Iran's \$34.6 billion chain stores market

The head of National Union of Chain Store of Iran said, chain stores have a \$3.2 billion share of the Iran's \$34.6 billion market. From this share already \$1.3 billion worth of investments have been financed by public and private sectors in this field.

According to the head Trade Promotion Organization of Iran, German and French firms are ready to launch chain stores in Iran.

Various countries including Germany, France, South Korea, European states and some of the neighboring Arab countries and states have so far requested opening chain stores in Iran.

Iranian and foreign nationals have no obstacles on the way of launching chain stores in the country.



Iran's Hyper Star

The UAE based - Majid al-Futtaim (MAF) group has invested \$60m in HyperStar store in Iran. Hyperstar is widely welcomed by the Iranian shoppers, and in average about 10,000 customers shop daily at the main branch of this hypermarket which is located in a middle-class area of western Tehran. The figure has put Tehran's Hyperstar among the top four of the 37 Carrefour-MAF hypermarkets in the Middle East, and the company plans to open 15 other branches in five cities of Iran.

United Colors of Benetton, Ecco footwear, the Adidas sports products, Hong Kong-based Esprit beside Geox of Italy and Spain's Mango are some available shops. Hyperstar was the first time that branches of such global brands and products could be found at the same location in a shopping center in Iran.

Italian companies to develop two of Iran's international airports



IAC (Iranian Airport Company) signed a MoU with Italy for the construction of a new passenger terminal in Tehran's Mehrabad International Airport.

The MoU is between the Iranian airport and Italy's SEA Group (Società Esercizi Aeroportuali), which is in charge of development and management of Italy's Milano Malpensa airports and airport systems, including all services and activities related to the arrival and departure of aircraft, airport safety, passenger and cargo handling, and development of commercial services. In the first phase, an 80,000-square-meter passenger terminal will be constructed. It could be expanded to 120,000 square meters in the future as demand grows, the agreement stipulates. Mehrabad's current capacity is to handle 14 million passengers annually. The new terminal will add the same amount of passengers to the airport's capacity.

The plan, which is estimated to require €250 million in investment, also includes landscaping

and construction of parking space for 6,000 vehicles alongside the passenger terminal.

Revamping Iran's airports is a top priority for the administration of President Hassan Rouhani, which engineered a deal with world powers to resolve a longstanding dispute over Tehran's nuclear energy program and remove sanctions imposed for years on the country's aviation industry.

A €50 million investment agreement has also been signed with Vitali SPA -an Italian construction firm and general contractor- to develop Tabriz International Airport, in the provincial capital of northwestern East Azarbaijan Province.

The agreement concerns investment, design and construction of a new passenger terminal in Tabriz airport in two development phases. In the first phase, the terminal is estimated to be built on a 20,000-square-meter area to accommodate the landing of one wide-body and two average-body aircraft at the same time.

CEO of the Construction and Development of Transportation Infrastructures Company in an interview with Sama news:

There is no problem with presence of foreign investors

Deputy Minister of Roads and Urban Development, with expressing that we have a joint venture in the Freeway Roads section, said: "investments which have been made in this sector is domestic or internally and this investment has been carried in two ways of individual or participatory with the banks from long time ago".

Kheirullah Khademi by saying the above added: "Therefore, political tensions will not have much impact on the field of road transportation and new projects".

He with expressing that the only affected field by the political tensions is railways section, said: "However, the presence of foreign investors has been highlighted from the beginning of 2017, and in event of economic or political tension in the near future, these problems can be compensated by financing and since the central bank provides acceptable guarantees to the active countries in the field of finance, there will be no problem in this regard".

"Currently, the central bank is one of the most punctual banks in the world and its guaranty is acceptable by many countries," Khademi stressed.

"Certainly, in future years, there will be no problem in transportation contracts between friend and ally countries and all countries that greatly tend to invest and presence in Iran," CEO of the Construction and Development of Transportation Infrastructures Company said.

He with adding that there are more than 3410 km of ongoing rail projects and 5000 km of new rails which are in studying and progressing, pointed "6 signed rail contracts in 2017 reflects the strong presence of countries in investment".

"Until the end of the 2017, almost 516 km of rails have been completed and delivered, and we hope that with this action, the total length of applicable rail lines will reach to 919 km in during

one year and until mid of 2018, five provinces of country will be connected to railway network," he added.

"Due to specific situation of country, using the private sector and supplying the budget through finance have been taken into action and placed on agenda by Minister of Roads and Urban Development," Deputy Minister of Roads and Urban Development said.

"Accordingly, in the rail transport section, 7 projects with total worth of 130000 billion IRR placed in the financing program, that as an example can refer to Kermanshah-Khosravi and Shiraz-Bushehr. Also, Hamedan-Sanandaj, Gorgan-Mashhad, Miyane-Ardebil and Miyane-Tabriz projects are being done and finalized," he added. Also Khademi noted to finalize the 896 km of freeway in form of 8 new projects in the near future and said, "1113 km of freeway was executed with budget of 87000 billion IRR in last year, which 70% was supplied by private sector and 30% by government".

"The contract of construction for 896 km of new freeway in the form of 8 projects is being finalized, and after completing the process we hope that projects will be approved by government," CEO of the Construction and Development of Transportation Infrastructures Company added. Finally Deputy Minister of Roads and Urban Development, explained that Service Level Upgrade Plan is one of the important practices of government to increase the capacity of country's roads, and said, "Important traffic arteries or paths should be upgraded to freeway and highway, so shortage of road paths will be resolved and needs of cars and passengers will be answered by upgrading the level of roads as a freeway".



Freeway Investment Opportunities

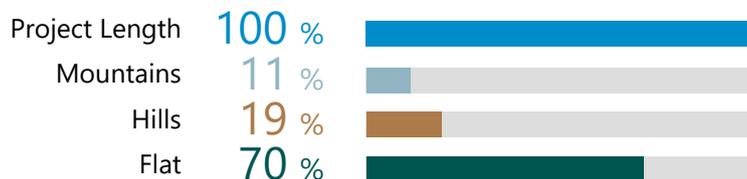


Construction & Development of Transportation Infrastructures Company

Qom – Salafchegan – Arak Freeway

Project Length: 120 km

Overview



Project Location
Qom & Markazi Provinces



Climatic Conditions
Dry & Semi-Dry



Number of Lanes
4 lanes - Expandable to 6 lanes



Fixed Investment Cost
270 million Euros



Construction Period
2 years



Investment Incentives

- Being located in the international North-South freeway corridor
- The annual operation capacity: 7,129,000 Vehicles
- Anticipation of light vehicles transit volume: 1st year 16,555 vehicles, 5th year 19,929 vehicles, 15th year 27,440 vehicles
- Anticipation of heavy vehicles transit volume: 1st year 13,113 vehicles, 5th year 15,786 vehicles, 15th year 21,736 vehicles
- The possibility of construction and operation of rest areas and fuel stations
- An established Fast and secure connection with production centers and industries in the province, such as aluminum complex in Arak, Imam Khomeini petrochemical and refinery complex

Freeway Investment Opportunities

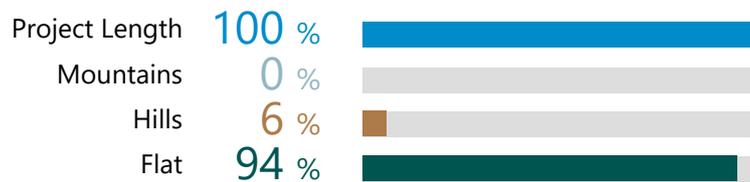


Construction & Development of Transportation Infrastructures Company

Andimeshk – Ahvaz Freeway

Project Length: **125 km**

Overview



Project Location
Khuzestan Province



Climatic Conditions
Dry & Semi-Dry



Number of Lanes
4 lanes



Fixed Investment Cost
280 million Euros



Construction Period
3 years



- Being located in the international north-south freeway corridor
- The annual operation capacity: 10,636,000 Vehicles
- Anticipation of light vehicles transit volume: 1st year 19,263 vehicles, 5th year 23,191 vehicles, 15th year 31,930 vehicles
- Anticipation of heavy vehicles transit volume: 1st year 9,879 vehicles, 5th year 11,894 vehicles, 15th year 16,376 vehicles
- The possibility of construction and operation of rest areas and fuel stations

Freeway Investment Opportunities

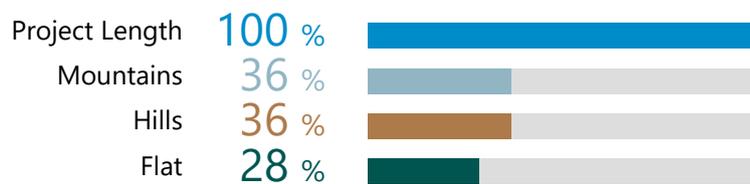


Construction & Development of Transportation Infrastructures Company

Hamedan – Kermanshah Freeway

Project Length: 206 km

Overview



Project Location
Hamedan & Kermanshah Provinces



Climatic Conditions
Semi-Cold & Dry



Number of Lanes
4 lane



Fixed Investment Cost
470 million Euros



Construction Period
4 years



- Being located in the international west-east freeway corridor
- The annual operation capacity: 9,200,000 Vehicles
- Anticipation of light vehicles transit volume: 1st year 12,216 vehicles, 5th year 15,165 vehicles, 15th year 17,527 vehicles
- Anticipation of heavy vehicles transit volume: 1st year 4,439 vehicles, 5th year 5,219 vehicles, 15th year 6,390 vehicles
- The possibility of construction and operation of rest areas and fuel stations

Freeway Investment Opportunities



Construction & Development of Transportation Infrastructures Company

Sirjan – Bandar Abbas Freeway

Project Length: 300 km

Overview



Project Location
Kerman & Hormozgan Provinces



Climatic Conditions
Warm & Dry



Number of Lanes
4 lane



Fixed Investment Cost
1075 million Euros



Construction Period
4 years



- Being located in the international North -South freeway corridor
- The missing link of Tehran –Bandar Abbas freeway
- The annual operation capacity: 33,858 Vehicles
- Anticipation of light vehicles transit volume 1st year 12,866 vehicles 5th year 16,420 vehicles, 15th year 26,747 vehicles
- Anticipation of heavy vehicles transit volume: 1st year 20,992 vehicles, 5th year 26,792 vehicles, 15th year 43,641 vehicles
- The possibility of construction and operation of rest areas and fuel stations

Freeway Investment Opportunities

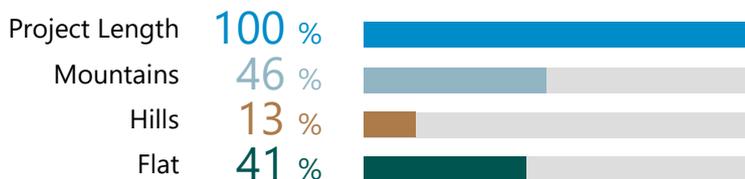


Construction & Development of Transportation Infrastructures Company

Shiraz – Bushehr Freeway

Project Length: **220 km**

Overview



Project Location
Fars & Bushehr Provinces



Climatic Conditions
Semi-Dry



Number of Lanes
4 lanes



Fixed Investment Cost
740 million Euros



Construction Period
3 years



- Being located in the international North-South freeway corridor
- The annual operation capacity: 7,129,000 Vehicles
- Anticipation of light vehicles transit volume: 1st year 15,686 vehicles, 5th year 19,354 vehicles, 15th year 31,352 vehicles
- Anticipation of heavy vehicles transit volume: 1st year 3,848 vehicles, 5th year 4,748 vehicles, 15th year 7,691 vehicles
- The possibility of construction and operation of rest areas and fuel stations

No. 3, Western Arash Blvd. Junction, Farid Afshar St., Vahid Dastgerdi (Zafar) St., Northern Modarres Highway, Tehran
 Tell:+9821 26400318
www.cdtic.ir

Highly increasing tourist numbers, brings hotel investors to Iran



The booming visitor numbers in Iran have caused an increasing demand for hotel accommodation, creating investment and development opportunities for local entrepreneurs and foreign businesses. International hotel chains have been looking to investment opportunities as demand for standard and modern guestrooms is rising in Iran.

France-based AccorHotels was the first chain to take advantage of demand for Iran. The group currently operates two hotels in the country.

Spain's Meliá Hotels International has signed its first hotel in Iran, which is set to open in mid 2018. Meanwhile, UAE's Rotana also has a hotel opening and has planned for three more openings by 2020.

The UK's EasyHotel also signed a deal to open 500 guestrooms in Iran.

The growing market has room for many more investors and developers. The state tourism agency reported that the country is expecting to attract over 20 million visitors by 2025. Young backpackers from Europe and Asia make up a big percentage of the new visitors to Iran who are attracted to the country's history and culture, making three of the most popular tourist destinations the ancient cities of Esfahan, Shiraz and Persepolis, a UNESCO World Heritage site.

According to a World Economic Forum report from early 2017, Iran is the world's cheapest travel destination.

Building 20 Top Hotels Each Year in Iran

Under the 20-year Outlook Plan, Iran is expected to host 20 million foreign tourists in 2025. That means the country should build 20 four- or five-star hotels each year over the course of the next decade.

Director of the Cultural Heritage, Handicrafts and Tourism Organization Masoud Soltanifar, speaking at the inaugural of a hotel, said, "The new regulations will help remove the ambiguities of the individuals involved in the tourism sector which will be known as an industry under new arrangements."

In the new directive tourism facilities are defined and regulations governing the establishment, operations, rating and supervision of these facilities are specified, Soltanifar said.

Soltanifar described Iran's tourism sector as attractive to foreign investors and said, "For the very reason, hotel construction companies from Arab countries are already working on several projects in Iran; actually they have seven hotels under construction.

The director of the Cultural Heritage, Handicrafts and Tourism Organization said that if the country is determined to get itself ready

for the arrival of 20 million tourists as stipulated in the 2025 Outlook Plan, its tourism industry needs to grow 14 percent annually; that is three times more than the global average.

Soltanifar described tourism as an effective way for communication between nations and said, "In 1950, five years after the end of World War II, 25 million tourists traveled across the world and that generated \$2 billion in revenues for the host countries."

He added, "In 2014 the number of global tourists stood at 1.2 billion. The World Travel and Tourism Council (WTTC), an affiliate of the World Economic Forum (WEF), has projected that the figure will rise 4.5 percent to reach 1.6 billion in 2020, 1.8 billion in 2030 and 2.6 billion in 2050."

He said that presently there are only 130 four- and five-star hotels in the country, adding, "If we want to raise the number of tourists by 15 million in a decade, we need to increase the number of these hotels to 400, and that translates into annual construction of 20 four- or five-star hotels in the country."



Iran Plans Major Boost to Tehran's IKA International Airport

Under a multi-billion-euro project to expand Tehran's Imam Khomeini International Airport (IKA), new terminals would be built that, along with the existing one, could handle 100 million passengers a year, an official said.



CEO of Imam Khomeini Airport City, Shahram Adamnejad, Speaking at a press conference on ideas for the design of a new air terminal "Iran-Shahr" said the expansion project, requiring €2.5 billion in investment, would be financed by both domestic and foreign sources. After three phases of development, the Iran-Shahr terminal will reach the capacity of 100 million passengers each year, he added.

Iran has signed several contracts with foreign companies to renew and improve its civil aviation industry since coming into forces of the Joint Comprehensive Plan of Action (JCPOA)

Iran's first "Airport City" - A new way of doing business

The master plan for IKIA includes the vision to create a world-class aerotropolis by building a city around IKIA. The Ministry of Roads & Urban Development has positioned IKIA to investors as "an international crossroad connecting north to south and east to west" which "makes it profoundly eligible to evolve as a regional hub, leading to an Airport City or an Aerotropolis."

In this plan, the airport becomes a nucleus around which commercial centers, residential zones, and transport infrastructure would be organized. The IKIA Airport City will hopefully decentralize a good portion of Tehran's congestion by moving many offices and businesses to the new mega-site.

In the technical system for IKIA, there will be four major zones, an Aviation Zone (2,800 hectares), a Free Economic Zone (1,500 hectares), a Special Economic Zone (2,500 hectares), and a Mixed-Use Zone (7,000 hectares). Each zone will in turn house different facilities such as light industry, hotel and convention spaces, warehouses and logistics centers, commercial offices, and even public parks. To work effectively, these zones will need to be linked by road and rail to Tehran and Iran's four corners in a "smart" transport network. The main highway from Tehran to Bandar Abbas (with access to Isfahan and Shiraz) passes by IKIA to the East. Saveh Highway passes to the West. In terms of rail access, the extension of the Tehran metro network to a new terminus at IKIA, which is nearing completion, reflects a positive first step. The proposed Isfahan-Tehran high-speed bullet train will connect through IKIA.

The master plan for IKIA is one of the most ambitious in Iran, and it will therefore require Iran to innovate new ways of fostering cooperation and economic development between a wide range of stakeholders. This may be the most important legacy of the airport city project. Airports and their surrounding developments rely on enterprise zones and tax abatements to attract tenants, urban development corporations to manage the project delivery, and public-private partnerships to fund the construction of critical infrastructure.

We can already see evidence of new collaborations at IKIA. In 2015, the Ministry of Roads & Urban Development established the IKIA Airport City Company to serve as the contracting party in public-private partnerships around airport city development.

Through this entity, the government negotiated a joint-venture with French construction firm Bouygues and French airports operator Aéroports de Paris (AdP) to construct a new passenger terminal in a USD \$2.8 billion deal that would increase airport capacity to 20 million passengers per annum in the first phase. A possible further three phases have been planned that would take the airport through 90 million passengers per annum in total capacity.

French and Chinese companies, and companies from South Korea and the Netherlands are already involved in the airport city development. In this way, IKIA might be a project so large that it enables cooperation across a wide range of countries seeking to invest in Iran.

Urban Regeneration Top Priority of Iran's Roads and Urban Development

Ministry of Roads and Urban Development publicly launched and unveiled its national agenda of 'Urban Regeneration' on 8 February 2018. The scheme is described as the largest urban development plan in Iran's history with regeneration of 1334 neighborhoods across country.

According to a survey from current status of inefficient settlements, 2700 neighborhoods, in 543 cities within 141000 hectares of urban area are identified. The regeneration of these neighborhoods will upgrade livability of 6 million households.

At the presence of the President, Vice President and members of national 'Committee of Urban Regeneration' which was formed by approval of the Cabinet on September 2014 with branches in all cities, Abbas Akhoundi, Minister of Roads and Urban Development pointed to two main challenges of livability and mobility in cities and announced that the Ministry's fundamental Agenda through urban regeneration policy is empowerment of cities as a social structure rather than a physical structure collectively and individually. Collectively, it aims to restore IranShahr identity and individually it aims to empower the residents of target neighborhoods economically, socially and physically (in terms of quality of settlements) centering on neighborhoods in

each districts.

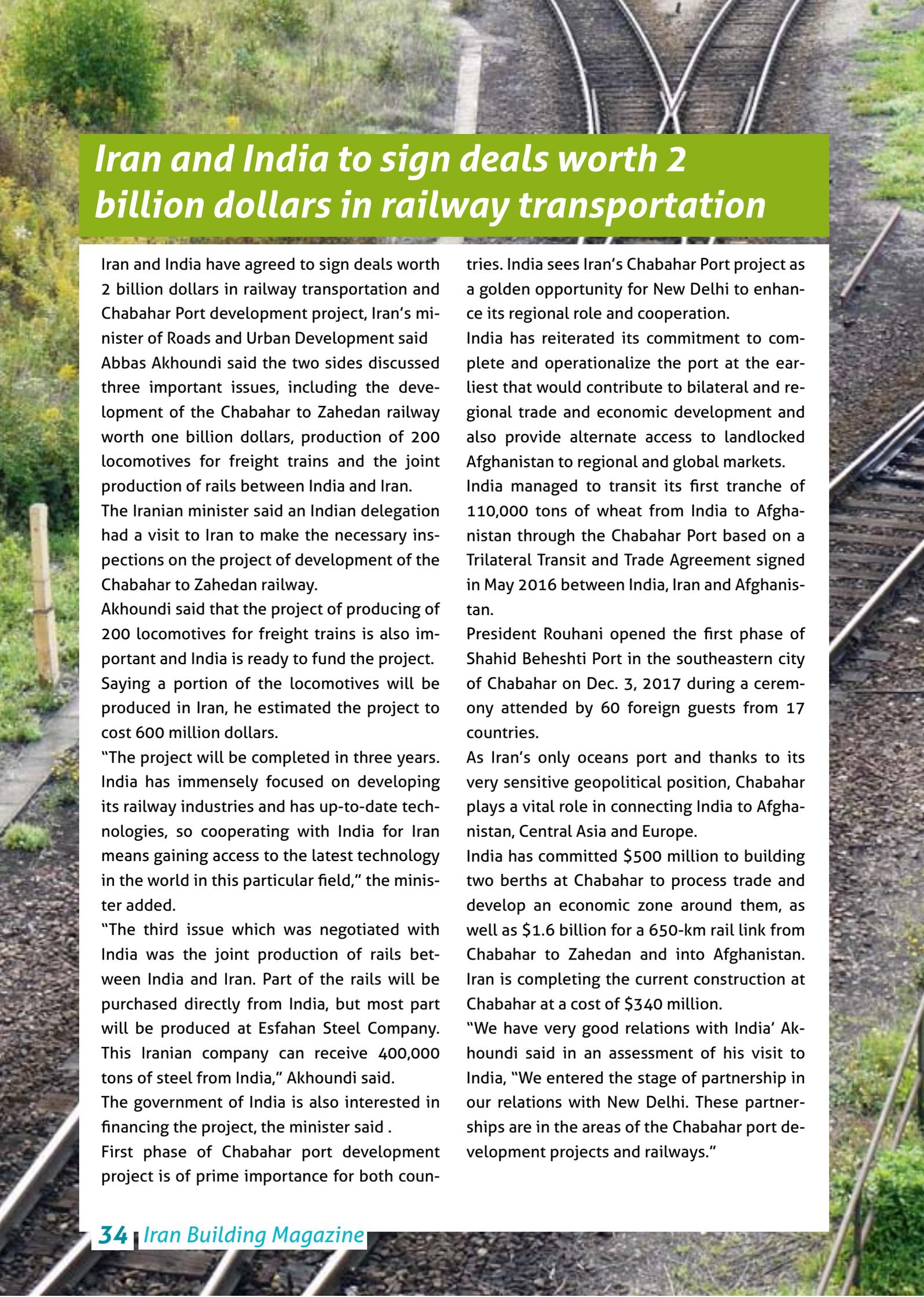
Overall, in the housing and urban development sector, there is a major shift from a project-oriented government to a planning-oriented government which mainly sees its mission in setting grounds for citizens and private sector to play their roles.

The scheme is planned in two 5-years. And it will include 1334 neighborhoods. The basis of plan is to revive the main elements of neighborhoods which vary based on each neighborhood.

The initiatives will include plans in: i) Development of urban superstructures and facilities, ii) Improving infrastructures, rehabilitation and promotion of public spaces, iii) Providing urban regeneration plan of cities, iv) Upgrading economic potentials and capacity building at local and urban scales.

The expected budget is 75000 billion tomans within 5-year period.

The program started simultaneously in Tehran, Boushehr, East Azerbaijan, Kurdistan, Fars and Hamedan Provinces.



Iran and India to sign deals worth 2 billion dollars in railway transportation

Iran and India have agreed to sign deals worth 2 billion dollars in railway transportation and Chabahar Port development project, Iran's minister of Roads and Urban Development said. Abbas Akhoundi said the two sides discussed three important issues, including the development of the Chabahar to Zahedan railway worth one billion dollars, production of 200 locomotives for freight trains and the joint production of rails between India and Iran.

The Iranian minister said an Indian delegation had a visit to Iran to make the necessary inspections on the project of development of the Chabahar to Zahedan railway.

Akhoundi said that the project of producing of 200 locomotives for freight trains is also important and India is ready to fund the project. Saying a portion of the locomotives will be produced in Iran, he estimated the project to cost 600 million dollars.

"The project will be completed in three years. India has immensely focused on developing its railway industries and has up-to-date technologies, so cooperating with India for Iran means gaining access to the latest technology in the world in this particular field," the minister added.

"The third issue which was negotiated with India was the joint production of rails between India and Iran. Part of the rails will be purchased directly from India, but most part will be produced at Esfahan Steel Company. This Iranian company can receive 400,000 tons of steel from India," Akhoundi said.

The government of India is also interested in financing the project, the minister said.

First phase of Chabahar port development project is of prime importance for both coun-

tries. India sees Iran's Chabahar Port project as a golden opportunity for New Delhi to enhance its regional role and cooperation.

India has reiterated its commitment to complete and operationalize the port at the earliest that would contribute to bilateral and regional trade and economic development and also provide alternate access to landlocked Afghanistan to regional and global markets.

India managed to transit its first tranche of 110,000 tons of wheat from India to Afghanistan through the Chabahar Port based on a Trilateral Transit and Trade Agreement signed in May 2016 between India, Iran and Afghanistan.

President Rouhani opened the first phase of Shahid Beheshti Port in the southeastern city of Chabahar on Dec. 3, 2017 during a ceremony attended by 60 foreign guests from 17 countries.

As Iran's only oceans port and thanks to its very sensitive geopolitical position, Chabahar plays a vital role in connecting India to Afghanistan, Central Asia and Europe.

India has committed \$500 million to building two berths at Chabahar to process trade and develop an economic zone around them, as well as \$1.6 billion for a 650-km rail link from Chabahar to Zahedan and into Afghanistan. Iran is completing the current construction at Chabahar at a cost of \$340 million.

"We have very good relations with India," Akhoundi said in an assessment of his visit to India, "We entered the stage of partnership in our relations with New Delhi. These partnerships are in the areas of the Chabahar port development projects and railways."

Railroad Connecting Iran-Azerbaijan in Operation



The railroad connecting Iran's northern city of Astara to its namesake in the Azerbaijan Republic was successfully tested and put into operation.

The railroad, which is part of the Rasht-Astara railroad project, became operational concurrent with an official visit of Azeri President Ilham Aliyev to Iran.

Heading a high-ranking delegation, Aliyev held talks with senior Iranian officials on topics of mutual interest.

At a meeting in Baku on July 3, 2016, officials from Iran, Russia, and Azerbaijan exchanged views on the cost of building the crucial rail link project, which envisages connecting

Iran's northern city of Rasht with Azerbaijan's Astara.

The three sides also studied the possibility of Russia's participation in financing the project. The budget for completion of Rasht-Astara railroad project is estimated at \$1.1 billion, part of which will be supplied by the \$500 million loan from Azeri banks.

The entire project constitutes part of the north-south corridor.

The International North-South Transport Corridor (INSTC) is a multipurpose route for the transit of goods between Iran, Russia, Europe, India and Central Asia via shipping lines, railroads and land routes.

Why Iran



1 Strategic Location

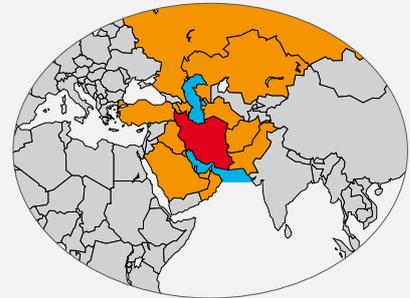
Straddling the Persian Gulf and the Caspian Sea, Iran connects Central Asia to the open seas and West Asia to the Middle East, offering a unique and valuable geographic location.



17m barrels of crude per day through the Straits of Hormuz
= 30% of global requirements

2 At the heart of Regional Market

Iran has land and sea borders with 15 countries, offering easy access to a combined market of over 530 million whose demographics and increasing purchasing power offer a growing market at a time of stagnation in the world economy.



15 Countries



3 World's 18th Largest Economy

With a total GDP of over USD 1,200 billion (PPP basis), Iran is the world's 18th largest economy and set to climb further, by mobilizing its demographic advantages and natural resources capital to enjoy years of sustainable and rapid growth.



9 % Agriculture

38 % Industry

53 % Services

4 Political Stability

While Iran enjoys peace, stability and security in an area affected by upheavals, unrest and hot beds of tensions, it has always offered peace and tranquility and used its utmost to invite others to contribute to the process of Détente in the area and the Middle East region.



→ ٢٠١٤ تا ٢٠١٥ ساله در ایران ۱۸۰ روز درگیری مسلحانه رخ داد

5 Abundant Mineral Resources

The country is also exceedingly rich in mineral resources, which are worth an estimated USD 27.3 trillion dollars. Iran is the MENA region's leading country in reserves and production of critical base metals including iron ore, zinc, steel, copper and lead.

68 types of minerals and metals

31 billion tones known reserves & 57 billion tones potential reserves



6

Energy Security

Iran with close to $\frac{1}{5}$ of total global proved gas reserves as the leading country and ranked 4th in proved crude oil reserves is one of the most sustainable resources of supplying hydrocarbon fuels in the world. An extensive national pipeline network to deliver fuel, together with 74,000 MW of installed electrical generation capacity ensure energy security. **14th Largest Electricity Producer**



7

Low Effective Rate of Taxation

Iranian companies enjoy a flat 25% corporate tax rate and shareholders are not liable to any tax on dividends, while exports are exempt from any taxation and under certain circumstances tax holidays of up to 15 years can be obtained.

15 Years Tax Holidays



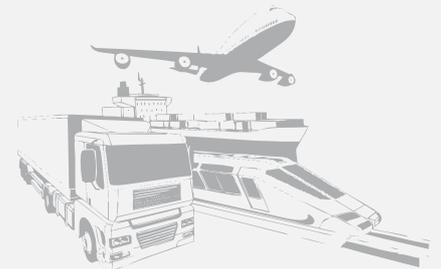
8

Developed Infrastructure

Through substantial investments, Iran has developed its ports, rail and road networks and air transport systems, creating the perfect foundation for economic development and prosperity.

103 Airports

13,000 km Railroads



9

Young Educated Labor Force

With some 3.7 million students at various stages of higher education, Iran possesses some of the best educated youth in the developing world.

79 m Population



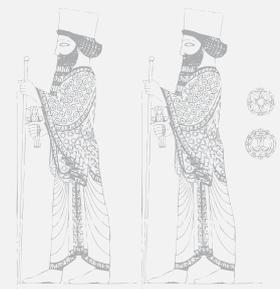
3.7 m Students



10

Untapped Tourism Potential

Ancient history, the heritage of some of the world's greatest empires, exquisite arts and crafts, rich cultural heritage, refined and varied cuisine, diverse climate and breath-taking natural wonders provide the perfect platform for Iran to tap into the fast growing and lucrative global tourism market.



Iran needs to build 5 million new homes in 10 years

Iran will need to build more than five million new homes in the next decade to fulfill its household requirements, the deputy for housing at the Ministry of Roads and Urban Development Hamed Mazaherian said.

“For the next 10 years, we must create homes for 29 million people ... Research and data currently tell us that we will need about 5.3 million homes for the newlyweds in the next 10 years ”

As Mazaherian noted, the latest census showed 24 million households are residing in the country, while Iran has 27 million homes, although 2.6 million of them are vacant and 2.1 million are second homes used occasionally during the year.

The fact that 19 million people are living in poor housing conditions even as millions of homes are empty is indicative of an acute “lack of balance” in the housing market, the deputy minister added.

In addition to the new homes, Mazaherian said about 3.8 million residential units must be reinforced which, presuming a 5.4% economic growth rate and a 2% population growth rate, will bring the grand total of homes needed to more than nine million by the end of the fiscal year 2026-27.

He predicted that about half –1.3 million– of all the empty homes that are mostly luxurious units beyond the purchasing power of a majority of people will also be occupied by that time, proving help to the total housing requirements of the country.

The official said Iran has a whopping 140,000 hectares in distressed urban areas, which is twice the size of the capital Tehran and presents a threat, as it plays host to about 30% of the country’s total population and also indicates an opportunity for investment.

“The target set by the parliament for the ministry is to renovate half of all distressed areas by the end of the Sixth Five-Year Development Plan in 2022, which is a significant number and requires a budget of \$28.27 billion,” he added.

Mazaherian hailed the private sector’s investment of about \$13.7 billion in the housing sector, but said major builders strictly engage in housing construction while the ministry envisions the improvement of the overall housing quality in neighborhoods.



India exporting container cargo to Russia through Iran and Azerbaijan



India will begin exporting container cargo to Russia through Iran and Azerbaijan in 2018, Sandeep Kumar, the Commissioner of the Central Board of Excise and Customs of India (CBEC) said.

He noted that transportation will be carried out as India joins the North-South international transport corridor.

Kumar said this step will cut down the time of cargo transportation by half to about 17 days from the earlier 35 days, when only the sea route was used.

Kumar added that the customs department receives many requests from different sectors for using this route, and noted that North-South corridor will help save money and time.

The International North-South Transport Corridor (INSTC) will connect Northern Europe with Southeastern Asia, as well as link railways of Azerbaijan, Iran and Russia. The corridor is planned to transport 5 million tons of cargo per year at the initial stage and over 10 million tons of cargo in the future.

French company Vinci completes deal to take over two of Iran's largest airports

French construction giant Vinci has closed a deal to take over the running of two Iranian airports, one in the northeastern city of Mashhad and the other in the tourist center of Isfahan. The firm will also put in place large-scale expansion plans at the sites.

The main work will take place in Mashhad. Hossein Esfandiari, the deputy head of Iran Airports Company, which manages 54 airports across the country, said: "Vinci has been in talks to build a 43,000 sqm international terminal and a 25,000 sqm domestic terminal in Mashhad International Airport."

The French company signed a memorandum of understanding (MoU) for the development of Mashhad International Airport, also known as Shahid Hashemi Nejad International Airport, on the sidelines of a business forum held in Tehran.

Vinci had previously signed a preliminary agreement with Iran for the development of the airport as well as that of Isfahan International Airport during President Hassan Rouhani's visit to France.

Vinci is a French concessions and construction company founded in 1899. With a workforce of over 179,000, the firm is the largest construction company in the world by revenue.

The French company will build a 43,000-square-meter international terminal and a 25,000-square-meter domestic terminal in Mashhad International Airport.

According to Iran Airports Company's CEO Rahmatollah Mahabadi, the capacity of Mashhad International Airport is estimated to reach 5 million passengers per year after the two terminals become operational.

Mashhad is the capital city of Khorasan Razavi Province in





northeastern Iran.

The city's aviation infrastructure, however, has not kept pace with its booming tourism sector, which is the case with most Iranian airports, including Isfahan International Airport and Tehran's Mehrabad International Airport.

During Rouhani's France visit, Iran also reached agreements with Aeroports de Paris and Bouygues SA for cooperation in the construction of a new terminal at Imam Khomeini International Airport.

The Ministry of Roads and Urban Development plans to increase IKIA's capacity to 45 million passengers per year.

Iran Construction Sector to Grow in 2018

According to the research arm of Iranian Parliament, the construction sector will grow by the end of the current fiscal year (March 2018) after five years of consecutive negative growth rates.

The analytical report by Majlis Research Center shows the Iranian construction sector will register a positive growth for the first time in five years, as the housing sector was mired in recession, the government's construction spending had declined and so did investments in related sectors of the economy.



Chehel Sotoun Palace

Located about 340 km south of Tehran (The capital), Esfahan or Isfahan is the capital of Esfahan Province and Iran's third largest city after Tehran and Mashhad.

Esfahan was once one of the largest cities in the world. It flourished from 1050 to 1722, particularly in the 16th century under the Safavid dynasty, when it became the capital of Persia for the second time in its history. Even today, the city retains much of its past glory.

Esfahan is a multi-ethnic city and Muslims, Jews and Christians live peacefully together. It is also famous for its Islamic architecture, with many beautiful boulevards, covered bridges, palaces, mosques, and minarets. This led to the Persian proverb *Esfahān nesf-e jahān ast*: "Esfahan is half of the world".

The architecture of Esfahan is made up of eight traditional forms which taken together form the foundation in the same way that music was once based on a finite number of notes. These are modulated by the use of colors and textures to leaven the surfaces and are held together in an overall construction akin to that of a sonata in which connection leads to culmination through a transition space. To appreciate the skill of the architects and designers fully, it is necessary to have an appreciation of these fundamental concepts i.e. garden, platform, porch, gateway, dome, arched chamber, and minaret, although in the geometry and architecture of the buildings they are woven together to present a seamless whole.

Chehel Sotoun (also Chehel Sotoon) is a pavilion in the middle of a park at the far end of a long pool, in Isfahan built by Shah Abbas II to be used for the Shah's entertainment and receptions. In this palace, Shah Abbas II and his successors would receive dignitaries and ambassadors, either on the terrace or in one of the stately reception halls.

The name, "Forty Columns," was inspired by the twenty slender wooden columns supporting the entrance

pavilion, which, when reflected in the waters of the fountain, are said to appear to be forty.

As with Ali Qapu, the palace contains many frescoes and paintings on ceramic. Many of the ceramic panels have been dispersed and are now in the possession of major museums in the west. They depict specific historical scenes such as a reception for an Uzbek King in 1646, when the palace had just been completed; a banquet in honor of the Emir of Bukhara in 1611; the battle of Chalderan against the Ottoman Sultan Selim II in 1514 in which the Persians fought without firearms; the welcome extended to the Mughal Emperor, Humayun who took refuge in Iran in 1544; the battle of Taher-Abad in 1510 where the Safavid Shah Ismail I vanquished and killed the Uzbek King. A more recent painting depicts Nadir Shah's victory against the Indian Army at Karnal in 1739. There are also less historical, but even more aesthetic compositions in the traditional miniature style which celebrate the joy of life and love.

The magnificent talar or verandah is the dominant feature of the palace and the slender columns, over 40m tall, which support it are cut from single chenar trees (*platanus orientalis*). The roof is also made from chenar tree beams and inset with complex decoration. The surface of much of the throne room is still covered with mirrored glass and this probably also was used on the pillars, as it was in the palace of Ali Qapu, so as to give the appearance of a roof floating in the air.

Looking out over the pool from the Verandah, one is able to appreciate the importance attached historically by Persians to the concept of "talar" which fulfilled their love of sitting in the garden while they were protected from the light and heat.

On the outside of the building there are some particularly interesting pictures of European figures, presumably based on the ambassadors and their retinue who would have stayed in the palace from time to time.

The sacred beauty of Iran's mosques



The Nasir al-mulk Mosque

An amazing mixture of architecture and art!

The Nasir al-Mulk Mosque also known as the Pink Mosque, is a traditional mosque in Shiraz, Iran. It is located in Gawd-i Arabān quarter, near Shāh Chérāgh Mosque. The mosque includes extensive colored glass in its facade, and displays other traditional elements such as the Panj Kāse ("five concaved") design. Lustrous tiles in all shades of red and pink adorn the inner dome as well as the walls, giving a warm glow to the entire building.



Imam Mosque

Imam Mosque is a mosque in Isfahan standing in south side of Naghsh-i Jahan Square. The mosque is also known as Abbasi Jame Mosque, Shah Mosque and Royal Mosque. Built during the Safavids period, the Imam Mosque is an excellent example of Islamic architecture of Iran, and regarded as one of the masterpieces of Persian Architecture. This mosque is one of the treasures featured on Around the World in 80 Treasures presented by the architecture historian Dan Cruickshank.



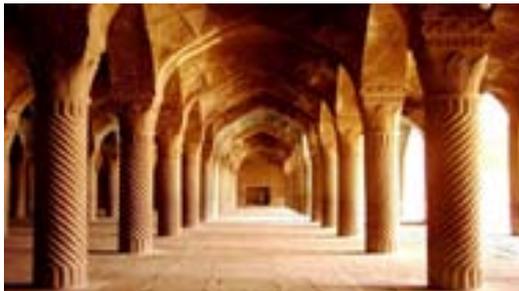
Jameh Mosque of Yazd

The Jāmeḥ Mosque of Yazd is a fine and remarkable specimen of the Azari style of Persian architecture, which dates back to the 14th century, and is located in the heart of Yazd city of Iran.

The Mosque is one of the most splendid attractions of Iran's Yazd city with its unique architecture.

According to historians, the original building was a Zoroastrian fire temple during the Sassanid era which was converted into a mosque during the Seljuk reign.

This mosque is depicted on the obverse of the Iranian 200 rials banknote.



Vakil Mosque

The Vakil Mosque is a beautiful mosque in Shiraz city of Iran, built in mid 17th century by the Karim Khan (Vakil) the founder of Zand dynasty. The entrance gates and the interior of the mosque are decorated with colored tiles in floral patterns.





Iran to make a significant boost in its renewables sector

Iran is offering foreign and private domestic companies tax incentives and long-term power purchase agreements (PPAs) to encourage investment and development of renewable energy generation projects in the country.

Iran is looking to make a significant boost in its nascent renewables sector, which currently has an installed capacity of 240 MW, a drop in the ocean compared to its total installed generation capacity of 75,000 MW. It does, however, hope to increase the share of renewables to 5,000 MW by the end of 2020, 4,000 MW of which is anticipated to come from wind power. To this end, a delegation of Iranians involved in the sector recently visited Germany, where the solar and wind industries in particular are well advanced. Iranian officials have stated that there are now some 490 private companies involved in developing solar or wind projects. Over the last four years, the government has approved 48 renewable projects requiring investments of around US\$3.6 billion.

In early April a group of Italian investors expressed an interest in funding renewable projects in Iran's southern Hormozgan province after visiting a solar energy site near Bandar Abbas. An official with the group said Italy was ready for co-operation with Iran on building solar and wind facilities after further discussions on the topic.

Following the delegation's visit, Iran inaugurated a 10-MW photovoltaic (PV) solar plant in the central Isfahan province. The project was built over the last seven months in partnership with Greece's METKA Group.

Another 30-MW solar plant is due to become operational in Khorasan Province in the near future.

By expanding the amount of power derived from solar, wind and hydropower projects (HPPs), Iran could reduce the amount of hydrocarbons – oil in particular – burnt for power generation and improve its emissions and air quality in the process.



Quercus to develop a 600 MW solar farm in Iran

Specialist renewable energy investor Quercus will invest over half a billion euros in a solar power project in Iran, with construction to start in the first half of 2018.

The planned 600-megawatt (MW) plant, located in central Iran, will be the sixth largest globally, behind projects of up to 1.5 gigawatts (GW) in China and India.

The project will be the London-based company's first investment outside of Europe.

And it claims that its plan is one of the biggest investments to be announced by a U.K company in Iran since international sanctions were dropped against the country.

The company said the Iranian government's renewables target of 5 GW by 2020 underscore the country's future potential.

"Iran is seeing unprecedented levels of investment since the lifting of international sanctions," the CEO of Quercus, Diego Biasi said.

Iran focusing on renewable energies

Iran is increasingly focusing on solar power and other renewable energies as well as on cooperation with European companies. Special economic zones offer additional investment incentives.

The country belongs to one of the founding members of the IRENA (International Renewable Energy Agency) and the feed-in tariff was designed according to the German model. Scientists from the Technical University (TU) Berlin are currently supporting Iran in building a market for renewable energies through vocational education and training. A „Green Energy Center of Iran“ is under construction and is funded by the International Climate Protection Initiative of the German Federal Ministry of the Environment.

With feed-in tariffs between 8.2 and 20.5 cents / kWh, the Iranian government is promoting photovoltaic. It has only recently been extended from five to 20 years, with the remuneration falling to 70% after 10 years. In peak times in summer the FIT is even extended up to a factor 4.5 to meet the high and growing electricity demand. By 2020, the installed capacity of renewable energies, especially solar power and wind power, will be expanded to at least 5 GW according to government plans. In addition, around 10 GW hydropower is already installed. Last year around 100 MW of renewables including 30 MW solar have been installed. Until end of March 2018 another 600 MW renewables including 60% PV are expected.

With around 1.900 kWh/kW, the expected



yield is almost twice as high as in Germany or Austria. 330 days a year, the sun is shining in Iranian regions like Kerman. "We expect a return on invest within four to five years," says Gerhard Rabensteiner, Managing Director of KPV Solar. The electricity of the solar park is remunerated at 12 cents/kWh including inflation compensation every six months through a 20-year PPA with the country's largest private utility. Rabensteiner announced plans to build further 6 solar parks with 10 MW each in the industrial zone within the coming months. For 10 years, exemption from corporation tax (25%), and no import duties have to be paid. In addition, there is a rail connection to the largest Iranian container port in Bandar Abbas in southern Iran. Several companies, including a Chinese steel processor, have meanwhile started operation within the special economic zone. Peter Prasser, Managing Director of Austrian based Kioto Solar company, announced plans to build a module production in Iran due to the strong demand. As the local companies are also interested to invest outside the special economic zone in solar power. In total, more than 3,700 applications for smaller PV rooftop systems have been received in the region since the announcement of the feed-in tariffs, in Iran, due to the high network density (electrification rate 98.4 percent), a grid connection of the PV systems in most areas is easily possible.

Iran to Build Solar Power Plant with S. Korean Investment

Iran plans to build a new solar power plant in the Zarandieh town of Markazi Province as part of a project mainly funded by a South Korean company.

The governor of Zarandieh, Mohammad Qanati, says the project will also involve Iran's private sector.

He also added an area of 28 hectares has been allocated to the project. "A South Korean company will provide 70 percent (\$44m) of the required investment for launching the project. The remaining part will be funded by an Iranian company."

According to Qanati, the solar power plant will be built within the next 15 months with a production capacity of 17mw. The governor said the strategic location of Zarandieh town near the capital Tehran and Imam Khomeini International Airport has made it an appropriate place for investment. "That's why many domestic and foreign companies are interested in making investment in the town," he concluded. Zarandieh is home to about 400 big and small production companies. With the first largest gas reserves and the fourth oil reserves in the world, Iran is a global hydrocarbons giant. The Iranian policymakers, however, are very eager to develop renewable energies to increase energy security, reduce the country's dependence on hydrocarbons, and realize its growth targets in electricity demand.

The first solar power plant in Iran's Yazd province, jointly financed by Iran and Germany, was officially inaugurated

The power plant was opened in an official ceremony attended by Iran's First Vice-President Es'haq Jahangiri and Minister of Energy Reza Ardakanian.

With a nominal capacity of 10MW, the solar power plant has been financed by the joint investments of Iran's private sector and a German investor. Based on the contracts signed between the parties involved, the purchase of the power produced in Yazd solar power plant will be guaranteed for 20 years by Iran's Renewable Energy and Energy Efficiency Organization.

The project to build the solar power plant began in June 2017 with an overall investment of about \$11 million.

With the first largest gas reserves and the fourth oil reserves in the world, Iran is a global hydrocarbons giant. The Iranian policymakers, however, are very eager to develop renewable energies to increase energy security, reduce the country's dependence on hydrocarbons, and realize its growth targets in electricity demand.

Iran enjoys a great diversity in its climate and vast arid regions. The southern, northwestern and southeastern regions of Iran receive around 300 days of sun per year, and thus are uniquely suitable for solar energy production.

According to the data released by Iran's Vice-Presidency for Science and Technology, the government has given particular priority to the country's central regions, including Yazd, due to its climate and proximity to the national power grid. With the recent removal of sanctions, Iranian companies now have greater access to a wider range of increasingly sophisticated solar technologies and financing to purchase and develop them. The immediate benefits will be rapid installation of technologies and, in the long-term, the country is likely to gain the ability of producing a significant amount of its solar infrastructure domestically.

Iran Opens New Solar Power Plant in Yazd

First hybrid solar plant comes on stream in Sari



The first hybrid solar power plant with a production capacity of 3 KW became operational in Mazandaran province.

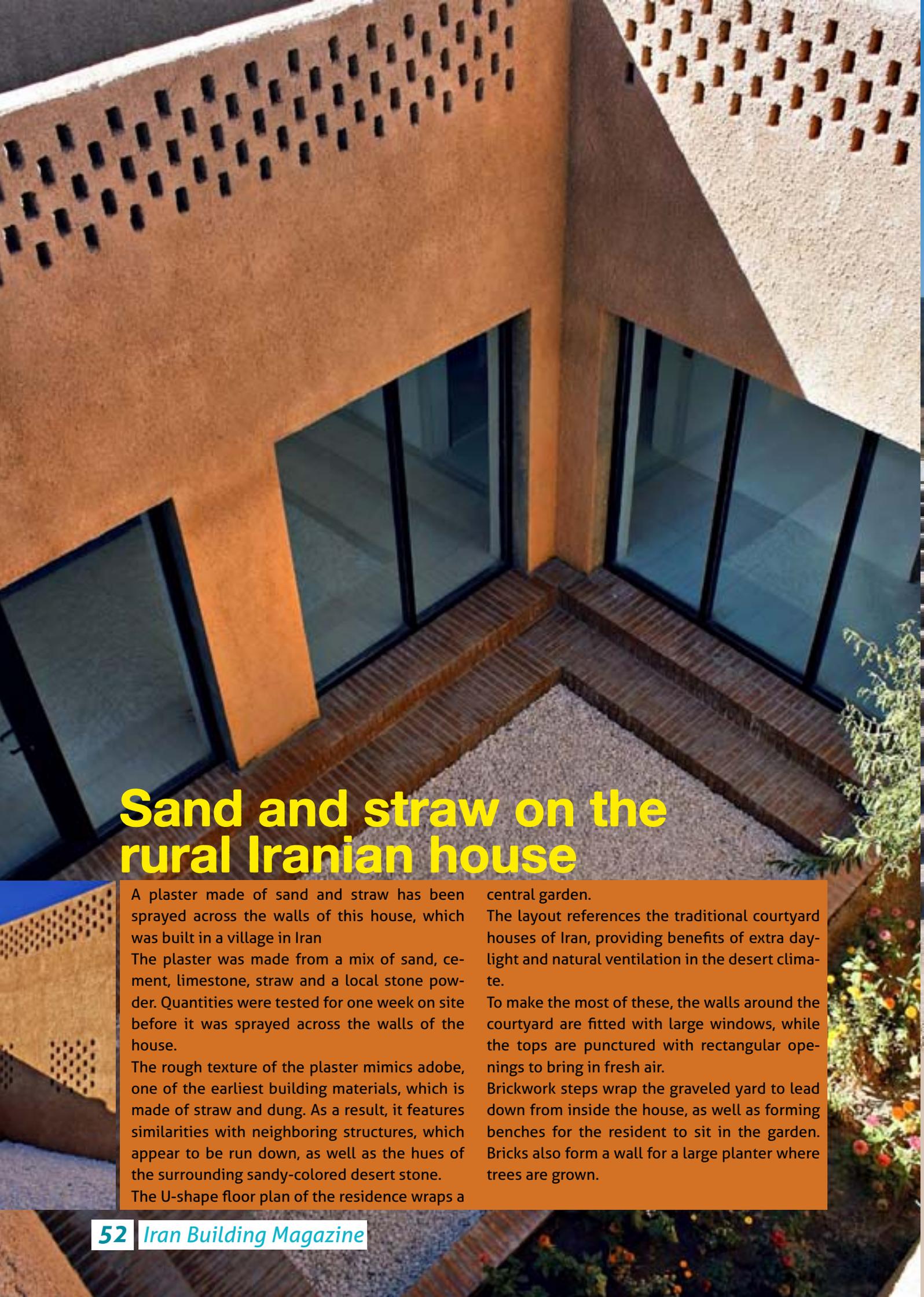
Speaking at the opening ceremony of the solar-wind power plant, the CEO of Mazandaran's power company Ghasem Shahabi said "Using fossil fuels as a source of energy create pollution and damages the environment, causes global warming and climate change as well as several other problems. This is why there is a trend all around the world to utilize renewable energy resources."

Shahabi stated "some countries have shut down their thermal power stations and are mainly using renewable resources to produce electricity. Thermal power stations are only used as back up for energy production at times of emergency."

As stated by the Iranian official, the main advantage of renewable energy resources include production at the site of consumption, reduction of pollution, lower damage to the grid and enhancement of passive defense.

He said "Over the recent years, our country has paid attention to power production via renewable resources, resulting in several projects such as electrification of off-grid villages."

Shahabi further stated that the wind-solar power plant has been operationalized to electrify off-grid regions. The production capacity of the plant is 3 KW out of which 2500 watt is wind and 500 watt solar energy.



Sand and straw on the rural Iranian house

A plaster made of sand and straw has been sprayed across the walls of this house, which was built in a village in Iran

The plaster was made from a mix of sand, cement, limestone, straw and a local stone powder. Quantities were tested for one week on site before it was sprayed across the walls of the house.

The rough texture of the plaster mimics adobe, one of the earliest building materials, which is made of straw and dung. As a result, it features similarities with neighboring structures, which appear to be run down, as well as the hues of the surrounding sandy-colored desert stone.

The U-shape floor plan of the residence wraps a

central garden.

The layout references the traditional courtyard houses of Iran, providing benefits of extra daylight and natural ventilation in the desert climate.

To make the most of these, the walls around the courtyard are fitted with large windows, while the tops are punctured with rectangular openings to bring in fresh air.

Brickwork steps wrap the graveled yard to lead down from inside the house, as well as forming benches for the resident to sit in the garden. Bricks also form a wall for a large planter where trees are grown.



A boxy house in northern Iran

The property is located in the hills outside of the city of Minudasht in Iran's Golestan Province, and occupies a built area of 298 square meters on a site of around half an acre.

Gaps between the floor slabs on each level create panoramic vistas from a series of interior and covered exterior spaces, particularly on two opposite corners where the lack of a supporting structure provides uninterrupted views.

Robust stone walls on this level are interrupted by large windows that look out onto an adjacent tennis court and a terrace sheltered beneath the expansive slab of the floor above.

The massive concrete slab forms a platform that functions as a large outdoor deck. The

perimeter of this outdoor space provides external circulation linked directly to the nearby swimming pool and open-air barbecue pavilion.

To one side of the main building, a void allows light and views down to the lower level, while a tree growing up through another hole in the surface provides dappled shade. A staircase between the bedroom units ascends through a void to the top floor, where it connects with a sheltered deck occupying almost half of this level.

The project was constructed using stone that facilitated the reopening of a local mine and led to the employment of 30 local laborers and a master builder.

A holiday home, divided by its swimming pool

An elevated passageway spans a swimming pool to connect the two monolithic blocks of this weekend home in the city of Karaj, Iran.

The building is divided into two parts: an entertainment area with a jacuzzi and an outdoor pool to cater to their sociable lifestyle, and a more private residence.

Unpolished grey Esparakhon – a local dolomite stone found in Iranian Azerbaijan – was used to clad the exterior and interior walls of the 1,100-square-metre house.

The second-story passageway spans the width of the swimming pool, with skylights and glazed openings providing glimpses down to the water below. Large windows on each end of the passageway fill the stone house with natural light.

Columns are placed 15 meters apart on either side of the swimming pool, and the concrete floor slabs reinforced so no additional supports block the view.

At each end of the passageway, two concrete staircases connect the ground and first floors. In one block, light floods the central living area, casting shadows of the wires used to support the stairs across the space.





Community center and mosque in Tehran won 2016 Architizer A+Award

The Imam Reza Cultural and Religious Complex is located in the cultural district of the Iranian capital

The building houses a mosque, an art gallery, a bookstore coffee shop, an amphitheatre and an IT center under one roof. This roof is designed to look like interlocking fingers „as a symbol of unity and social cohesion“.

The dome is formed from handmade glass while bricks are laid to create an intricate repetitive pattern across the main walls.

Organized by Architizer, the awards promote and celebrate the year's best projects and products.

Their stated mission is to nurture the appreciation of meaningful architecture in the world and champion its potential for a positive impact on everyday life.



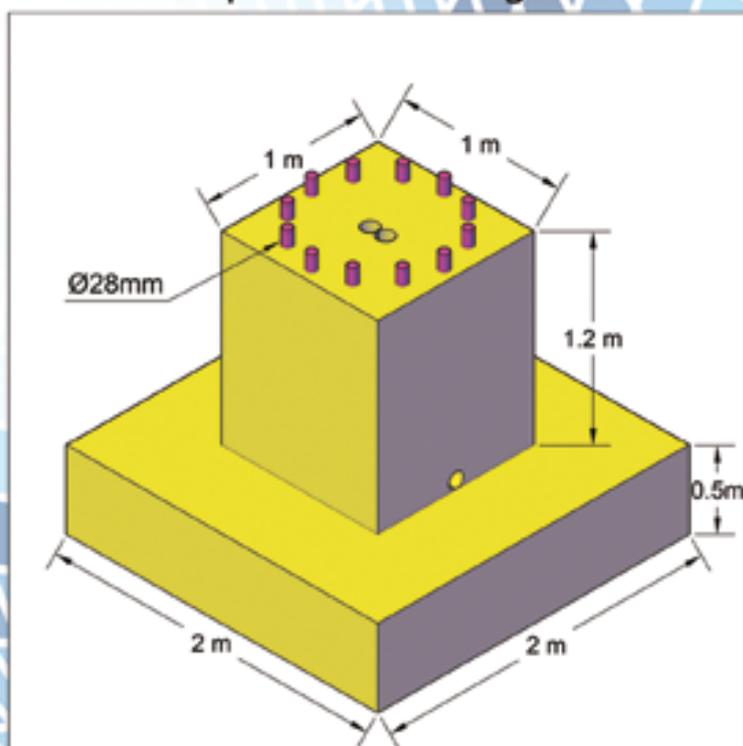
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