

پارک فناوری پردیس

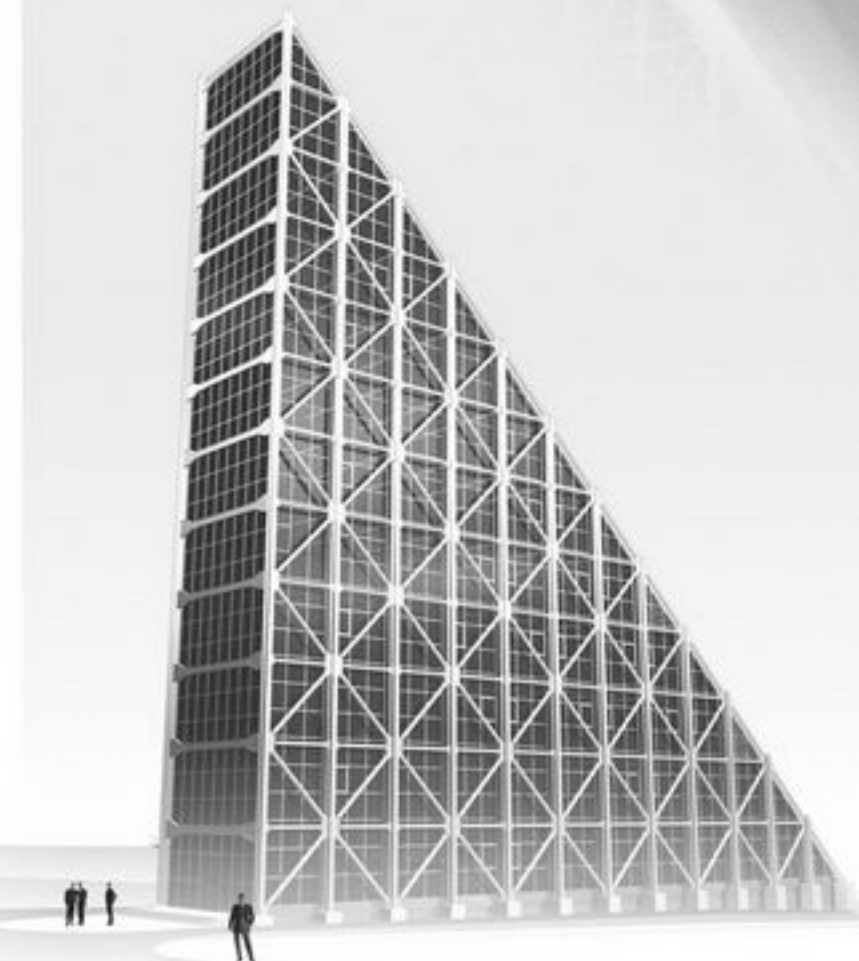
PARDIS

Technology Park
IRAN SILICON VALLEY



PTP ANNUAL PROGRESS REPORT (2007-2008)

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PARDIS
Technology Park
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Introduction

PTP as the region's technology paradise, under supervision of Presidency and a fourteen-entity Board of Trustees from ministries, science centres and academies, is located in a now 38 hectares area (expandable to 1000 hectares) at 25 km northeast vicinity of Tehran.

Innovation PARDIS (phase No. 1) in a 20 hectares area and Knowledge PARDIS (phase No. 2) are two existing phases in the Park and other phases called Synergy PARDIS, Creativity PARDIS, Evolution PARDIS, Development PARDIS, Entrepreneurship PARDIS and Productivity PARDIS are next Phases that constitute the future stages in the expansion plan of the Park.

This Park is located in Iran's commercial and academic intersection point. Being in 45 km neighbourhood of Imam Khomeini Int'l Airport (IKIA), it is located alongside of main north-south and east-west passages to Europe, central Asia and ECO countries, Persian Gulf, Commonwealth and Caucasus region countries.

As the most important and proximate technology Park to Iranian academic, political and economic canter, PTP is placed alongside of north-south fiber optics artery and close to internationally reputable research and academic institutions. Thus it provides an exclusive opportunity for commercialization of research, production and service bodies in the Middle East, CIS and ECO countries. PTP can therefore contrive the proper grounds for growth of science and innovation-based companies through provision of high-end services, competitive strengthening, growth centres, spin-off processes and productive and expert labour.

In comparison with other Parks and research poles in the region, PTP enjoys more comparative and legal advantages and better potential to become a major canter for economic, research and scientific activities and possesses the requirements for linking to actual and potential global markets and expansion through Iran's International Markets. As far as wide group of advantages and privileges is concerned, PTP has provided opportunities to absorb new know-how and proper investment and, concerning its location at the heart of reputable scientific, research and academic canter (and close neighbourhood to two industrial zones, i.e. Khorram-dasht and Firoozkough industrial zones which possess special privileges for industrial production) with cheap and abundant sources of expert labour, it provides a proper environment for small and medium-sized tech-companies, R&D units of industrial companies and research institutions to locate and professionally appear in the region.



Future Hi-Tech paradise of the region

Cross point of Iranian experts

Paradise of High-Tech SMEs

New Horizon for Synergism between University & Industry

FUTURE HI-TECH PARADISE OF THE REGION

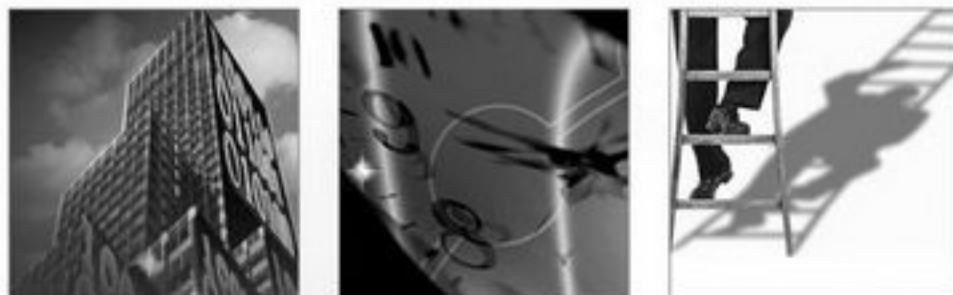
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The Chapter of Pardis Technology Park



- Far-Sightedness
- Excellence
- Innovation
- Entrepreneurship
- World Markets
- Cooperation & Convergence
- An Attractive & Inviting Image
- Technology Development
- Neighbourhood & Environmental Issues
- Globalization



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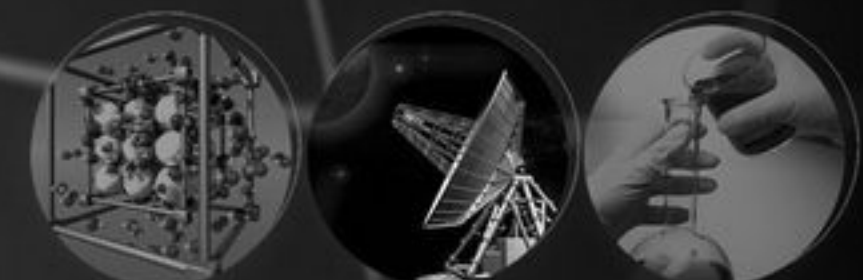
Admission and settlement

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Future

Future hi-tech paradise of the region





Admission and settlement

The specifications of the technology organizations those are eligible to be settled in the park:

- Hi-tech manufacturing companies which;
 - 1- Their products be of a high added value
 - 2- Occupy relatively small space for production
 - 3- The production activities based on employing expert manpower
 - 4- Not to have bulky mass production
 - 5- Environment friendly production process

- R & D units of industrial companies
- Research and educational centres
- General and professional services centres
- Laboratories
- Legal and commercial services offices
- Consultancy and agency offices
- General public and leisure services such as; hotels and guest houses, restaurants, general stores, taxi service and, etc

The number of applications received by the park up to end of year 1386 was 553 cases, from which 73 companies are already settled as PTP tenants.



Technology fields of Pardis Technology Park

- Information & Communication Technology
- Electronics & Medical equipments
- Mechanics & Automation
- Biotechnology
- Nanotechnology

Joining of the Institute for Venture Capital to the park

One of the prominent points to be mentioned at this section is, attracting the reliance of the private sector for investment, by locating their R & D units in the park. The below-mentioned statistics is indicating of presence of a strong, appropriate and, indigenized model for construction of a park in the country.

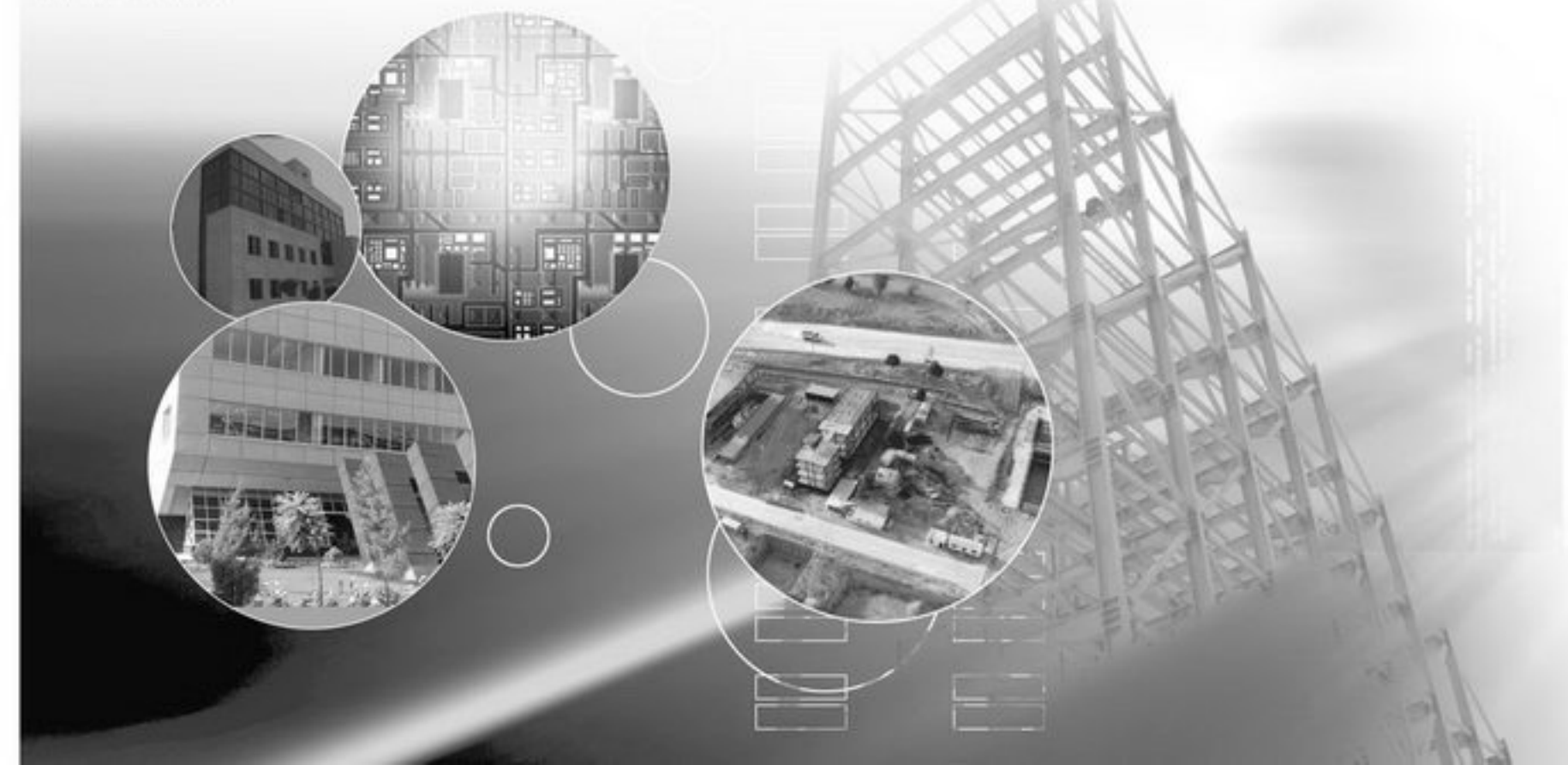
- For the first phase of the project, transferring land plots to 73 technology companies (Pardis of Innovation) and, concluding land transferring contracts with 15 technology companies in the year 1386

- 54 construction projects of PTP tenant companies in process, 10 already completed research centre construction projects and, 4 building permission issued for 4 companies.

- Over 30.000.000 USD investment by technology companies in Pardis of Innovation to the end of year 1386 and, expecting 70.000.000 USD to be invested by the fulfilment the development process of the first phase (only in building and installations and, not bringing to account equipment and manpower)

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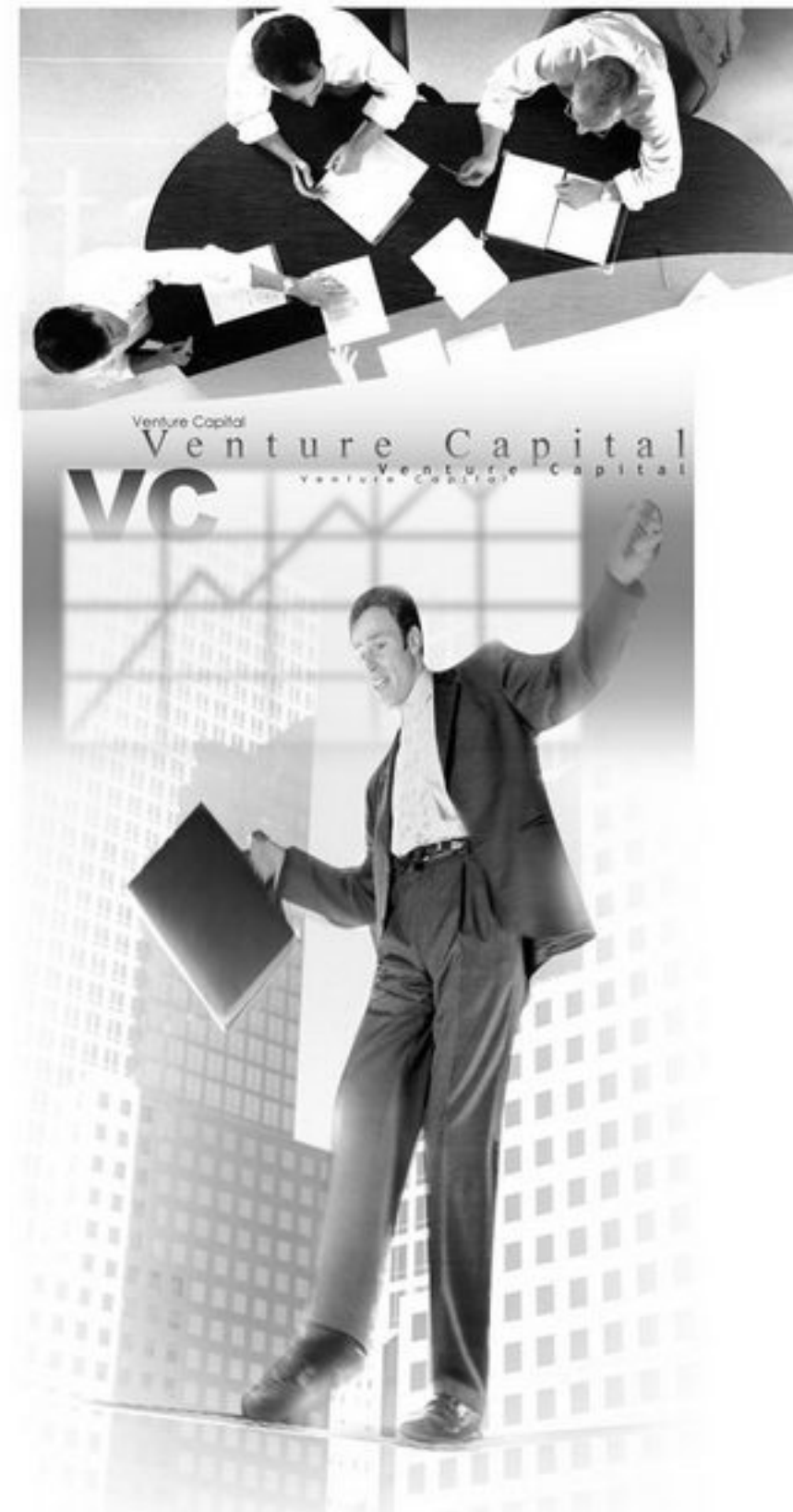
for synergism between university & industry



Joining of the Institute for Venture Capital to the park

One of the main dilemmas of the country in the field of technology finance is lack of a financial structure for venture capital for advanced industries. Over the last 50 years, venture capital industry has been one of the successful and progressing sectors in advanced industries of industrial countries and, numerous developing enterprises, especially in the field of technology, have made benefit of the venture capital services. Nokhbegan Technology Development Institute is one of the first established venture capital organizations in Iran, which has been started up in 2002, hoping to resolve a part of problems and difficulties, through representing scientific methods and strategies. Presently, passing 5 years science establishment, the institute has surveyed more than 150 projects and, has selected 26 projects out of them and made more than 27.000.000 USD investment on them. Employment of 133 expert manpower at technology companies and, preventing the brain drain, is obvious as the outcome of the mentioned investments.

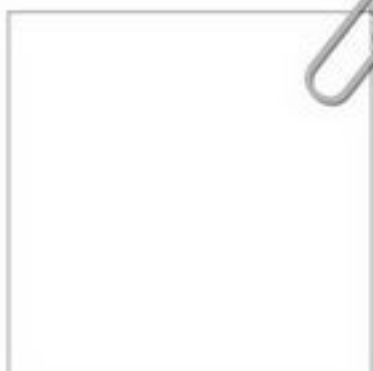
Joining of the Institute for Venture Capital to the park



- Settling policies on attraction and admission of companies at the second phase (Pardis of Knowledge) One of the park policies in performing the project was phasing and, to build infrastructures at the scale of multipliers of 10 or 20 acres, setting the condition of achieving the reasonable result of investment and exploitation of first phase, for proceeding with the second and, other phase. Upon passing 6 years from initialization of the project on the first phase and, the successful attraction of investments by the private sector, transferring all the plots to the technology companies and, furtherance of requests for joining, the programming process has already commenced for starting the second phase.
- Settling policies and regulations for admission in Seraj Technology Centre (Multi tenant Building) which is somehow different from the lands section.
- Determining 4 models for admission in the section of Pardis of Knowledge lands including; long term leasing, renting with the option to buy, and selling lands and, combination of 2 methods.
- Making the area of activities and, admission conditions more professional and, adding other professions like Nano and medical equipment to admit able fields of technology.
- Reappraisal of the rules and regulations for construction and, inclusive plan of Pardis of Knowledge and, proposing the plan to the Ministry of Housing and Urbanization



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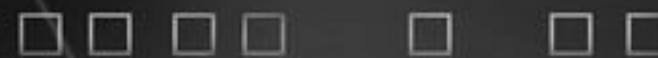
Developmental activities and general services



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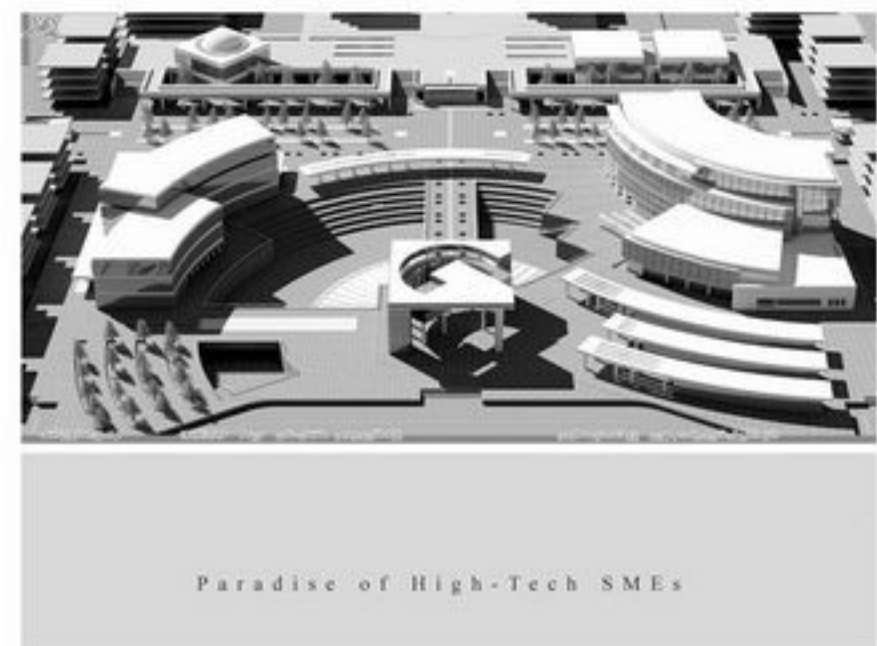
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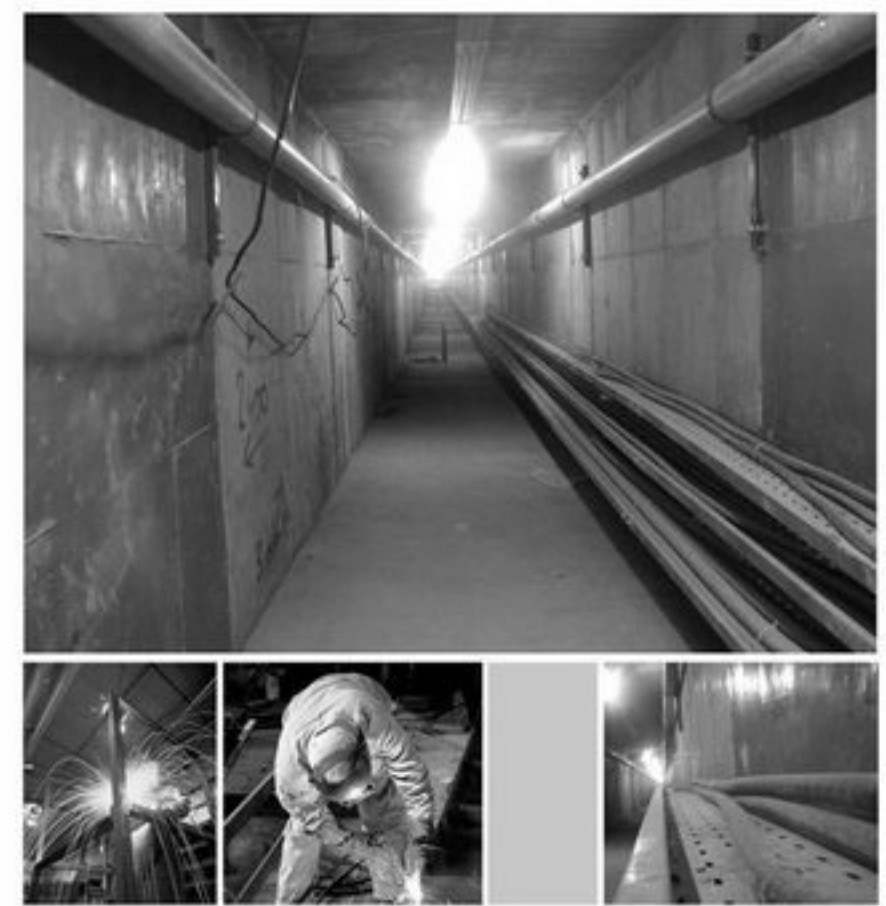


Developmental activities and general services

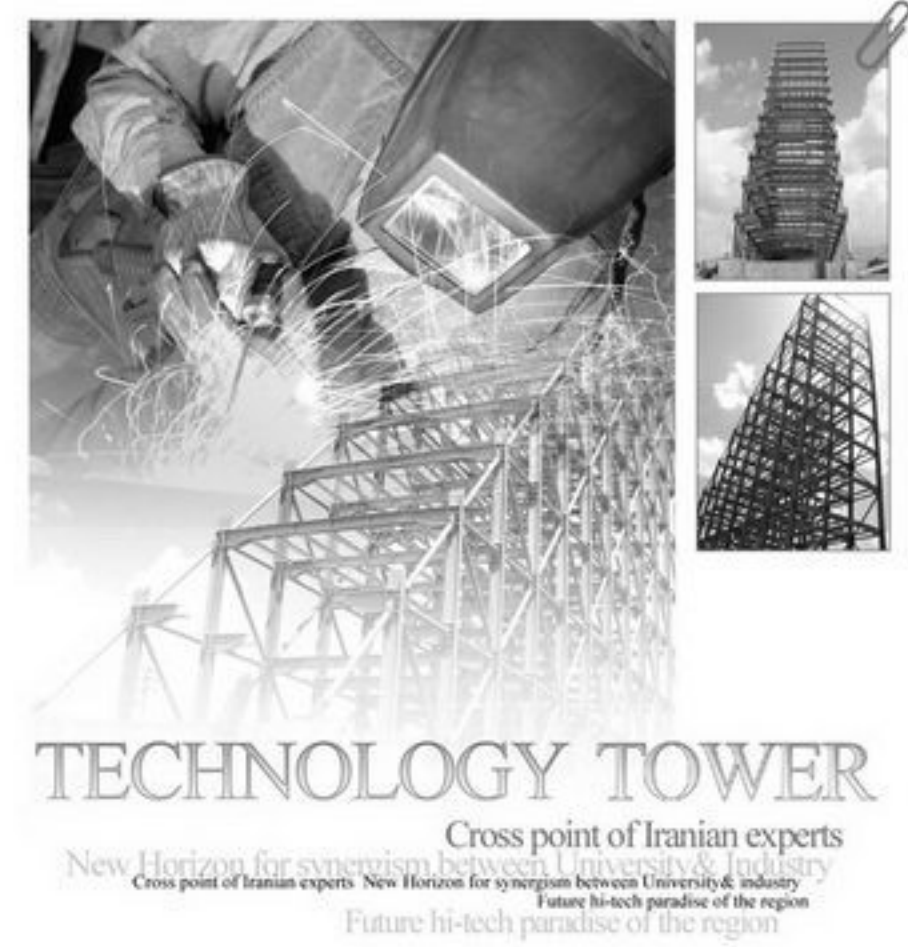
- **Exploitation of the park installation networks**
 - Electricity power supply: completion of the network and, major and minor substations
 - Water supply: completion of the tap water network
 - Waste water: completion of the separated septic tank and, sewage network
 - Telecommunications and internet: completing the project of telecommunication centre and, connection to the cross country optic fibre network



• **Commencement of the Techmart complex construction operations (Block D) and, the general and leisure services building (Block E)**
 Techmart complex by the area of approximately 6500 square metre is designed to be established in the PTP campaign headquarters complex and, the executing operations began in 1386 (2007). This complex, which is known as the provider of professional services to the park tenant companies, in comprised of sections including; permanent exhibition, technology consultation agencies, conference halls, library, professional information centre and, the certified alliances' offices.
 The general public services complex by the area of 7.543 square metres is designed to serve the tenant companies with the urban services and facilities. The complex is comprised of sections like; agency offices, guest house, restaurant, nursery, mosque, gym and sport halls, clinic and shops.
 The performance process of these two complexes commences after holding a trend and selecting Vazan Company as the construction contractor.



• **Completion of the structural steelwork of the Technology Tower**
 The technology development symbol of Tehran Province is designed to be erected in PARDIS Technology Park on a right-angled triangle shaped basis, by the area of 2.310 square metres. This tower is in 9 upper ground and 2 underground levels, by the total height of 40 metre from the ground and 8 metre foundation. This tower is under construction at the entrance area of PARDIS Technology Park. The Technology Tower resembles of exaltationism, development, growth and, movement and, has an elegant design.
 The construction operation of this structure has had commenced since 1385 (2006) and, considering the complicated technical and calculative operations, the structural steelwork has fulfilled precisely.



• Settlement of the PTP second phase inclusive plan

Pardis Technology Park development phase – Pardis of Knowledge – is located at the west side of the Pardis of Innovation, at the area of 18 acres.

The designing process of the plan completed in 1386 (2007) and, is expected to be ready for exploitation in 1387 (2008). According to the plan, there are 83 plots of land at 93.000 m2, which can be handed over to the research and engineering companies and, the remaining space will be dedicated to the thoroughfares, general services and, green spaces.

Common utility duct (underground tunnel for urban installations) by the length of 2100 m is another facility anticipated in the plan.



• Commencement of the construction operations of the park northern multi-tenant building

One of the settlement criteria for research and engineering companies in the parks is establishing multi-tenant buildings and, renting or selling its units to the companies, those are not able to purchase detached spaces for their research activities. Pardis Technology Park has considered this fact and, taking into account the excess number of demands, has allocated 2000 m2 of land, at the northern region of the park to this plan. The planning operation of this complex is performed by Bonsar Company, designing 16 commercial flats at 4 levels and total area of 3.700 m2. The construction operations have started in January, in partnership with the private sector.

New Horizon for synergism between University & industry

Access Control
CCTV
PIDS Backbone
wi-max

CCTV
PIDS Backbone
wi-max

• Completion of the park Intelligent Security System

The project of Intelligent Security System network of PTP, which its plan was began to design in 1385 (2006), after holding several surveying and investigating meeting sessions, completed in 1386 (2007) and, deciding to start the performing operations in 1387 (2008). This network comprises of the following constituents:

- 1- Access control system for the utility tunnel, campaign headquarter building and, technology tower.
- 2- Closed Circuit TV Camera in the park enclosure, utility tunnel, campaign headquarters building and, technology tower.
- 3- Perimeter Intrusion Detection Systems (PIDS)
- 4- Park LAN computer network utilizing backbone, optic fibre or, Wi-max
- 5- IP telephone system with paging ability



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• The plan for establishing the first Science and Technology Professional City, by the area of 1000 acres, in Pardis Technology Park

The role that technology parks play, is such an inclusive and extent role, that in many countries, the technology parks have had been the creating factor for large cities and areas. On the other side, many existing cities in the world have turned towards defining particular missions and specialities, including science and technology missions. Presently, making an inclusive package for elites including appropriate occupation opportunities, pleasant living environment with excellent leisure and services facilities, are the priorities considered for establishing science and technology cities. In addition to those features, the possibility for further high level education is the other demand by elites.

Regarding closeness of Pardis Technology Park to Tehran, proper climate and , also the anticipations which are included in the inclusive plan of this city as a new city, the plan of establishing the first specialized city in the country, with science and technology mission, represented to the Ministry of Housing and Urbanization. In addition to the research and technology centres and, residential areas, establishing centres for advanced education, research and universities is the important component of forming Pardis New City, beside its technology zone. Presence of nearly 1.000 technology companies employing more than 50.000 manpower and, extensive local and external connections, and also high quality university and higher educational centres, are some of the specifications of this specialized city.



• Start up of a number of park service providing units

- Foodstuff shop
- Taxi services
- Computer technical services office



• Completion of the performance operation of the central park

The park is in two northern and southern divisions, each design and constructed at 3900 m2 area. In addition to planting trees like pine, cypress and willow, an artificial pond has been constructed, for aesthetical reasons.

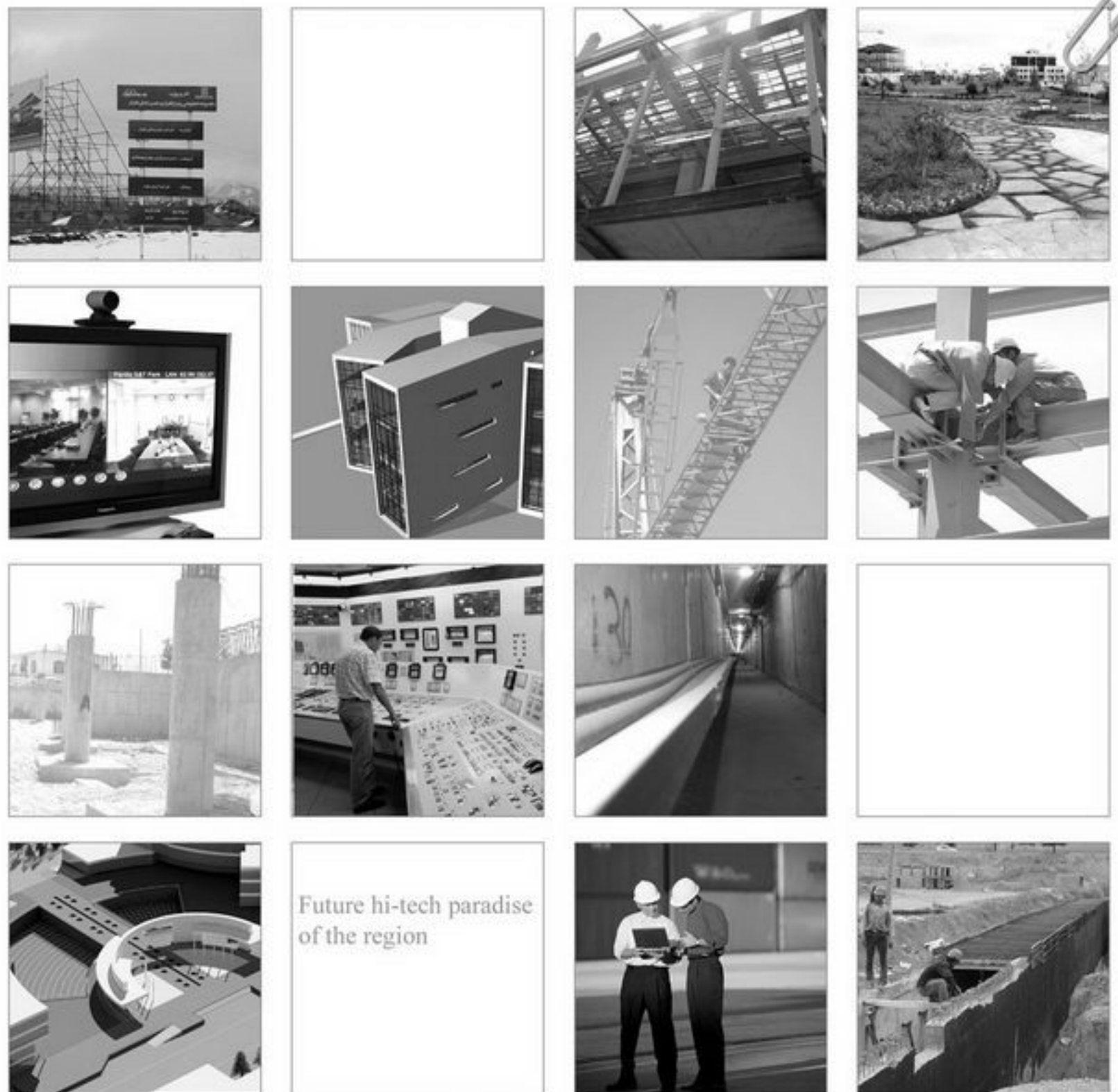
• Completion and locating the urban furniture

- Sitting benches
- Traffic signboards
- Urban elements
- Street marking



• Initialization of video-conference system in the park

Considering the ever-increasing demand for communication, internationally in particular, installation and initialization of a video-conference system for Pardis Technology Park took in to account. With this purpose, the equipment needed for the system purchased and installed and, then the possibility for establishing live audio-visual connection between the PTP and all the centres having this system is actualized. Generalizing the system services for also the tenant companies is under consideration.



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Hi-tech Services

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Hi-tech Services

• Initializing the "Technology professional Services Centre"

At the same direction of supportive goals and, in order to facilitate the utilization of diverse professional technology services for the knowledge-based companies as a One Stop Shop, National Technomarket of Iran took an action towards launching a centre for technology services. The centre is located in Pardis Technology Park and, provides the companies (technology companies in particular) with their required services, through establishing a strong network of estate and private institutes.

Presently, the services include the following:

- Finance services
- Foreign investment
- Feasibility studies and evaluating the projects
- Search and register the patents national and internationally
- Trade and export services
- Establishing international connections and, defining joint cooperation
- Educational and information services
- Utilizing laboratory services



• Holding the 3rd Technology Exchange Forum on communication and IT and, granting the national technology prize

The pivotal aim for launching technology exchange forums is to create an environment for the holders and applicants of technologies to be present and, while taking the opportunity to represent their either achievements or demands; the ground for future cooperation between them will get ready. In most of the countries, especially developed countries and, most of the developing countries, these forums on the topics of novel technologies are being held regularly. In Iran, holding forums with the pivot of technology exchange considered by Pardis Technology Park, since 1384 (2005). The main objectives pursued by organizing these events with the approach of technology exchange are; elevating the professionals' level of technological knowledge, interaction and synergism between technology holders aiming to dissemination of information on technologies and the research achievements and, also facilitating the commercialization process and access of the new technologies to the markets, at the direction of the country's requirements and, Islamic Republic of Iran 20 years prospect.

The third Technology Exchange Forum of the country, by the subject of Telecommunication and IT, held on 15 August 2007, at Pardis Technology Park. There were more than 200 participants who were; the holders of selected related technologies, universities' professors, representatives from telecommunications equipment utilization centres, investors, Government managers and local and foreigner idea men, attended to this forum which held by Pardis Technology Park in association with The Ministry of Communications and Information Technology, I.R. of Iran Organization for Broadcasting and, The Presidency Technology Cooperation Office. 25 technologies from Iran and, 15 technologies from China, India and Malaysia in the field of telecommunications and IT, represented to the secretariat of the forum. At the ending ceremony, the National Technology Prize of the Year, in the area of telecommunications, granted to the 3 superior national companies in this area. The titles of premier technologies, respectively, are:

- 1- Digital Video Broadcasting Technology represented by Moj-e- Khavar Technology Co.
- 2- BSS equipment technology represented by Foonoon-e- Ertebatate Sayar Co.
- 3- Persian Speech processing and recognition technology represented by Asr-e- Gooyesh Pardazesh Co.



• Resolution of supportive package for export of hi-tech products, in association with Iran Trade Promotion Organization (ITPO)

In March 2007, an MOU signed between the PTP and ITPO for mutual cooperation, aiming to support the technology enterprises in exporting their hi-tech products and services. Within the framework of agreements made by this MOU, a joint 8 member steering committee established, consisting of managers and experts from 2 organizations and, by organizing 12 meetings and spending more than 400 man-hour, came into impressive results as are described below.

Resolution of an inclusive definition of hi-tech industry, products and, services,

citing the reliable scientific resources and experts Call for detecting hi-tech products and companies, through Iran national technomarket website Attaining the complete list of international exhibitions on hi-tech fields Establishing a trilateral committee consisting of representatives from PTP, ITPO and Iran Custom Administration, to define tariff codes for exporting hi-tech products Finally, resolution of supportive package for export of hi-tech products in 49 articles, in order to achieve to the MOU objectives This package, which took more than one year to be resolute, currently is waiting to be approved by the Cabinet and, be officially notified for execution.

Hi-Tech



• Release of the second edition of the information CD about technology and industrial products and equipments in the country

The informative CD of the technological products of the country designed and produced by Iran National Technomarket, aiming to provide information on the national technological achievements publishes and distributes in the country and internationally each year. The first edition of this CD, introducing 110 technologies, produced and released in autumn 2005 in 3000 copies. Regarding the successful achievement of the first edition in and outside the country, the information collecting activities for second edition started since the winter of the same year and, the CD published in 2007. Some of the specifications of the second CD include:

Consisting of more than 320 records on hi-tech products information in Farsi and English languages

Distribution of 6000 copies of the CD

Introducing the products and the manufacturers using proper graphical tools

Distributing the CD amongst more than 700 national centres

Despatching the CD to all foreign Embassies in Iran and, Iranian Representative Offices abroad, and also to all universities, high education and research centres





• Commentary on the second Forum of “New Horizon in Synergism between University and Industry”

Today, facilitating and maintaining the relations between the two areas of university and industry is of the main objectives of Science and Technology Parks. With this regard, the programmers try to establish proper hard and software, proper facilitations and finally, create the appropriate ground for “Technology, Innovation and Synergism” via these relations.

On the other hand, occupation and, brain drain have had attracted special attentions of the decision makers and officials of the country and turned into

an intricate problem and an apprehension for them. Hence, establishment of the research grounds and, occupations for the elites of the society, are of great importance.

Pardis Technology Park (PTP), has taken this important issue into consideration, and has had done considerable actions and measures and, executed programs aiming to make the industry and university closer to each other.



New Horizon

Cross point of Iranian experts New Horizon for synergism between University & Industry
Future hi-tech paradise of the region Future hi-tech paradise of the region



Future hi-tech paradise of the region New Horizon for synergism between University & Industry Cross point of Iranian experts

One of those programs is organizing forums by the title of “New Horizon in Synergism between University and Industry”.

The first program of this group held on 13 – 15 April 2002, by PTP in association with TCO, Sharif University of Technology (SUT) and, The Ministry of Industry at Sharif University of Technology place during which there were presented, about 500 job offers, nearly 70 projects for research at bachelor, master and PhD levels and the same number was the cases of vacancies offered to the students by the companies for employing trainees.

The second program was a one day forum, held on 2 March 2008, by PTP

in corporation with SUT and Sharif Advanced Technologies Incubator (SATI), at Jaber-ebne-Hayyan Hall of SUT. Related managers and officials, university professors, Iranian experts, university students and the PTP tenant companies were present at the forum. There were 12 companies from PTP and 4 from the SATI. Also, more than 100 job offers and training opportunities and, a number of projects valued over 4.5 billion Rials at bachelors, master and PhD levels represented by the PTP companies to the students present at the forum.



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• PARDIS Technology Park as the executive organ of Tehran Province, in the plan for the quick return on investment enterprises and, allocation of 140.000.000 USD to the PTP tenant companies

The plan for quick return enterprises is one of the programs determined by the 9th Cabinet as the support of SMEs, through which, according to the regulations decreed by the cabinet on 26/11/2005, a part of the country bank resources will dedicate to the imminent yield SMEs and job creators, as loans. Hence, the execution organs in each province will assess the project technical, economical and financial explanatory report and, the eligibility and potency of the applicants for performing the project then, provides them with information and makes sure about the completion of their files and, introduce them to the secretariat of the Occupation and Investment Committee of the province. The Occupation and Investment work group of the province will evaluate the projects according to the province economical sectors development policies, determine the operating bank and, introduces the applicant to the operating bank.

Finally, are obliged to assess the projects file and, in case of any insufficiency in the file, send notice to the related executing organ and the applicant and, maximum in 45 days fulfil the assessment process and, inform the applicant, the related executive organ and, the secretariat of the committee. After further confirmation by the occupational committee of the province, the contract will be signed with the applicant and, the loan will be granted.

PARDIS Technology Park is nominated as a member of the Occupation and Investment Committee of Tehran Province and Labour Organization. By establishing committee and doing expertise surveys, PTP introduced 21 knowledge based projects, in total equivalent to 140.000.000 USD, to the Occupational Committee of the province, which all of the introduced projects have approved by the committee and are introduced to the Tejarat and Mellat operating banks.



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Synergism between University & Industry

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- Cooperation with the Ministry of Industry and Mine for granting credits to the companies
- Developing Commercialization Contract, with fundamental research plan, worth 100.000 USD

Fundamental Research Plan of industry and mine sector, in the form of signing agreements with research organizations, provides them with credits, which they can grant it to the introducers of research projects gratuitously and, through an especial mechanism (which will be determined by the plan).

- 1- Assisting design and manufacturing operations for Modular Prefabricated caravan with the advantage for quick assemble and dissemble.
- 2- Assisting to manufacture the portable water counters digital testing device
- 3- Assisting design and manufacturing stretch moulds, made of natural and artificial diamond

- Activating the Flagship project, with fundamental research plan, worth 500.000 USD

Last year, Pardis Technology Park, according to a joint contract with the Applied Research Plan of the Ministry of Industry and Mine, by the subject of supporting the research projects of technological units and researching centres in the country, supported the eligible applicants. The support is in a partnership scheme and, considers priorities for mechanics, chemistry, mining and etc (excluding ICT) projects, including research projects, transferring technology achievements of research centres, to the technology companies and, launching the research findings in industrial units.

In the framework of this plan, the Ministry of Industry and Mine will pay 50% to 80% of the expenses of the approved projects.

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- Receiving the permission of the Ministry of Science, Research and, Technology for establishing a Fund for Research and Technology and, development of New Technologies

In such a situation that, expert job-creators and innovators fail to demonstrate and actualize their true technological potential and potency matching the requirements of the country, due to the insufficient financial abilities, the Fund for Development of Technology established in 1386 (2007) by share combination of 49% state shares and 51% privates sector, with the PTP protection and, aiming to aid the NGO's scientific and technological researching activities, through providing the expert job-creators and innovators, with especial financial assistances.

The services and responsibilities of this fund include; providing financial services to the job-creators to execute their knowledge based plans and ideas, commercializing the experts' research results through providing venture capitals, guaranteeing the technological investment projects and, issuance of the warrantees required by the company in order to attend the trade trends and, helping to develop the market of knowledge based products. Based on its intrinsic responsibility, which is presenting financial services in order to "aid to manufacture, develop and sell the technology" and, making benefit of the potentials and abilities of Pardis Technology Park, the Fund helps the expert job-creators and innovators to grow and develop their technologies, which leads to production of national wealth and secure occupation.

- Collaboration in carrying out the studying project for establishing stock exchange for knowledge based companies

One of the projects targeting to support the knowledge based companies, is establishment of a stock exchange specially dedicated to this group of companies, which has been defined by the Presidency Deputy in Science and Technology. In order to execute this project, in association with Securities and Exchange Organization, a committee formed comprising of the representatives from the related organizations, including PTP, which after several discussions and investigations via 12 meeting sessions, taking 3 months, the plan realized and represented to the Presidency Deputy in Science and Technology.

• Enforcing the advantages of the article 47 of the Fourth Socio-Economic and Cultural Development Plan of the country

According to the article 47 of the Fourth Development Plan, the knowledge based technological companies and units located in science and technology parks, will enjoy the same advantages as in free economical zones. This article of law, which its executing regulations enacted by the Cabinet in August 2005, defines the advantages of 3 areas of labour affairs, tax and duties exemptions and, foreign investment and, international financial transactions, present in free economical zones, similarly for the technology units located in technology parks. After enactment of this regulation, through negotiations with the related organization, Pardis Technology Park, finally succeed to enforce a part of those advantages.

• Labour advantages:

- Settling the Park special employment regulations and contract format, for employing manpower by the technology companies.

- Communicating the regulations and the contract format to the tenant companies

• Tax and duties:

15 years of tax holiday, for any type of tax, including declaration, employing contracts and staff salaries, from the beginning of 1386 (March 2007)

• Customs:

After construction of the customs warehouse in the park, which its permission is issued in 1386 (2007) by Iran Customs Administration and will be constructed in 1387 (2008), all of the imports of the tenant companies will be directly forwarded from the borders of the country to the park warehouse and, then be released.

Technology, Innovation, Synergism



• Start up of the Virtual Laboratory network

The PTP lab network has been established, aiming to decrease the lab expenses, speeding up the research and testing activities, avoiding double expenditures, optimum utilization of the equipment, services and labs of the tenant companies and, for the reason that people, companies, organizations, research centres and universities having access to the laboratory facilities and equipments in the country. With cooperation of Sharif University of Technology, Tehran University of Medical Sciences, 70 PTP tenant companies and, Mashhad Food Technology Park, the said network launched in summer 1386 (2007) and, the extension of its activities up to the super-regional levels, has been considered in the long term plan. The network consists of the following labs:

- Chemistry, polymer, catalyst, oil and derivatives, minerals
- Pharmaceutical, health, cellular and molecular
- Soil, plant, water and wastewater bacterial tests, measurement of air pollutants
- Electricity and electronics, ultrasonic, informatics, telecommunications, calibration of hospital equipments
- Mechanics, calibration of precision instruments, rubber and PVC industry
- Food industry
- Workshops such as; machine tools, auto-mechanics, audiometric



• **Employing data collecting agencies at professional fields (pharmaceutical and medical, ICT) and collecting more than 1700 information records in related fields, in the Technomarket website**

The project of collecting data including: technology supply, technology demand, technology services, experts and, technological products, at the same direction of Iran National Technomarket perspectives and goals and, in order to turn into the foremost and greatest inclusive technological database, and also dissemination of information about the technomarket achievements and functions at national level, is considered by Iran National Technomarket.

At this aim, the actions made towards recognizing private capable companies and, in view of national level of the project, they covered the 4 large industrial provinces of the country (Tehran, Markazi, Fars and, Yazd) for the first phase. At the next phase, considering the extent of the information in Tehran Province, as the greatest industrial pole, a contract concluded with 5 companies for collecting the records related to the technology data in this province at 4 professional areas of; communications and IT, mechanics, oil, gas and, petrochemicals and, bio-technology. The collection of data related to the companies locating in the industrial townships in Tehran province, accomplished at the next step.

Throughout this project, the agents visited the research companies and industrial units and, while introducing the technomarket, collected the related information in above-mentioned areas of activities.

The total number of the collected records by the end of year 1386 (March 2008) is more than 1700, from which 900 records confirmed and, will upload to the website progressively.



• **Didactic workshop on “Programming and, Global Technology Transfer “ at Pardis Technology Park**

On 21-23 Oct. 2007, Pardis Technology Park, in association with Iranian Research Organization for Science and Technology (IROST), set-up Didactic workshop on “Programming and, Global Technology Transfer “in Seraj Hall at the Park complex.

Life Cycle method for programming and executing Global Technology Transfer, the importance of Intellectual Properties (IP) in Transferring and Evaluating technology, Technology Forecasting, providing soft technology transfer, methods for transferring the technology of blood kits, methods and strategies for strengthening the capacity of technology transfer, were the titles of programs.

The aim of this course was to make the science and research centers, science & technology parks and development centers in particular, to get familiar with the methods and process of transferring technology at local and international levels.

The course conducted by tutors from Asia & Pacific Center for Technology Transfer (APCTT) and some other local specialists The total number of the collected records by the end of year 1386 (March 2008) is more than 1700, from which 900 records confirmed and, will upload to the website progressively.



• **The seminar on General Concepts of Intellectual Property held at the PTP**

At this seminar which held with the presence of the most outstanding professionals of the arena of Intellectual Property and, the managers of the PTP tenant companies, concepts including the rights of intellectual property, terms and conditions of patents and, information on patents and trademarks expounded for the audiences.





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IRAN SILICON VALLEY

Research, communications and, IT

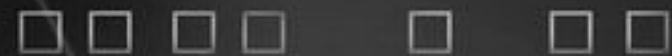


Cross point of Iranian experts

for synergism between University and industry

Future hi-tech paradise of the region

Future hi-tech paradise of the region



Research, communications and, IT

• Establishing international connections

One of the policies assumed by the PTP to support the tenant companies is creating the opportunity for them to have international presence and, strengthening their abilities by facilitating the process of development and transferring the technologies. Introducing the park and the member companies, in international level was the primary action carried out at this concern. Iranian embassies abroad and, the foreign embassies in Iran were included as in the program.



Venezuela
• The Venezuelan Presidency Senior Advisor in Technology Affairs visit to the Park

Syria
• Iran Technology Cooperation Representative in Syria visit to the park and some of the member companies



India
• Presence of the Park in Intellectual Property Seminar, sponsored by the Global Organization for Intellectual Property
• Negotiation with the Indian Industries Confederation, for establishing cooperation
• Negotiation with the Technology Development and Promotion Centre in Tamilnado State for establishing cooperation
• Meeting with the Iran Technology Cooperation Office in India for establishing technology exchange connections between two countries



Malaysia
• Creating the opportunity for presence of one software PTP tenant company in Malaysian market
• Establishing connection and arrangements for transferring a part of a tenant company's production line
• Doing the necessary arrangements and executive measures for attendance of Malaysian experts and Iranian residents in Malaysia to the 3rd technology exchange forum on ICT
• Visiting Technology Park of Malaysia (TPM) and Multimedia Super Corridor (MSC) and incubator



Finland
• Meeting with the first secretary of Iranian embassy in Finland, for making arrangements for establishing cooperation with the technology parks in Finland



South Korea
• Running the primary meeting and negotiations for signing MOU with the Korean Technology Transferring Centre (KTTC)
• Mr. Kim Nam Seok, the first secretary of the Korean Embassy, to the park

China
• Attendance to the seminar on Global Development of Investment, being invited by UNIDO and, visits to a number of technology parks and centres in China
• Signing agreement with Shanghai Technology Transfer Exchange (STTE)
• Offer by the STTE for commercializing the IMOD medicine and, going through the further follow ups
• Setting up video-conference with STTE members, in the 3rd Technology Exchange Forum, on ICT
• Discussing the fields for bilateral technology cooperation with the first secretary of the Chinese Embassy in Tehran
• Signing MOU with Liuzu Technology Park



Indonesia
• Attendance to the regional workshop for development of technology parks, based on the invitation made by the Education, Science and Culture Organization of the United Nations in Indonesia
• Visiting Puspipstek and Serpong Technology parks in Indonesia

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• **The members of the USA National Academy of Science visit to the Park**
 In 14 October 2007, a 9 member mission including the members from US national academy of science visited Pardis Technology Park. The mission which was invited by Sharif University of Technology, in order to get acknowledged about the science and technology status in Iran and, evaluating the strategies for promoting scientific cooperation between the science and researching bodies of two countries, was consisted of prominent university professors, headed by Professor William Wolf, the former president of US Engineering Academy and, the professor in Faculty of computer in Virginia University. The other members in the mission were:
 1- Professor Joseph Taylor, lecturer in Physics faculty of Princeton University and Nobel Prize winner in Physics laureate in 1993
 2- Professor Anita Jones, University Professor in Computer, University of Virginia

- 3- Professor Michael T. Clegg, former secretary in the US National Academy of Science and, professor in the University of California
- 4- Dr. Elmer William Colglazier, the Executive Manager of the US National Academy of Science
- 5- Dr. Norman P. Neureiter science and Technology Adviser to the Secretary of State
- 6- Mr. Glen Schweitzer, Administration Manager of the US National Academy of Science
- 7- Mr. Maxmillian Angerholzer, the Executive Director and Secretary of the Richard Lounsbury Foundation
- 8- Professor Thomas Jordan, Director of Southern California Earthquake Centre Throughout the 3 hour tour to the PTP, the Academy group visited the tenant companies and, the Exhibition of hi-tech





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• Publishing of 4 issues of PTP journal

• Launching internet website

- o Virtual lab network at www.techlab.ir
- o Technology exchange forums at www.techforum.ir
- o Fund for Development of New Technologies at www.techfund.ir

• Initialization and development of the permanent exhibition for national hi-tech products in the park

Introduction of the national technical potentials is one of the fundamental prerequisites for presence of these industries and products in national and international markets. One of the important actions at this regard was establishing an exhibition for the country hi-tech products, which carried out in association with the Presidency Technology Cooperation Office and, PTP member companies. The products of the PTP tenant companies and other technology companies of the country in the areas of biotechnology, composite and new material, nano-technology, electronics and, communications are displayed in this exhibition. At the moment, there are 50 products displayed in the exhibition and, it is expected that will increase by two times throughout the next year.



• Signing MOU with National Iranian Productivity Centre (NIPC)

Following the visit of the president and assistants of NIPC to the PTP, discussions made on the potential fields of cooperation between two centres, that finally, resulted in signing an MOU for cooperation. The highlights of the subjects agreed are; creating capacity for establish and locating the knowledge based companies related to productivity, cooperation in organizing scientific conferences and seminars related to productivity, supporting the presence of productive NGOs in the park, training and consultation on productivity techniques and, defining the related criteria for selecting the companies and, monitoring the activity types of the tenant companies.



• Holding the meeting of the Park Family

The fifth meeting of the Park Family held in 14 November 2007. At the meeting, in which directors of the park tenant companies and, some of the members of the Board of Trustees were present, firstly, a report represented on the abstract of accomplished operations in the areas of civil and development, financial services and, legal incentives. Then, Mr. Hosseini, as the member of the board of the Securities and Exchange Organization declared points on the Stock Exchange of Knowledge based companies and, the challenges on the way. Subsequently, Mr. Abodolvahhab, the Occupation Assistant of the Ministry of Labour described the incentives provided by the Ministry in support of job creators and technology units. Granting the Establishment Licence to Resitan Company and Nokhbegan Institute of Technology Development were other programs happened during the meeting. The meeting finished with the audiences visit to the exhibition of hi-tech products.



• Publishing the book "Technology Direction in 21th Century"

The book is in 4 chapters, describes the most common innovation frames for science and technology and their compartments including; science and technology parks and incubators and, the developed, recently industrialized and, developing countries policies in this arena. Finally, the models of innovation in the technology field in western Asian and Middle East countries are introduced and explained.

• Publishing the book "Further Development of Technology Parks"

The book is written in 4 chapters and embarks on the subject of the parks and incubators and, the methods for supporting the SMEs in developed and developing countries. The last chapter of the book describes the strategies used by some of the Arab countries in the region of Persian Gulf.

• Updating the Park Business Plan

The PTP primary business plan was aged more than 5 years and needed to be updated. The issue carried out as a university research thesis and, fulfilled by 6 months in Royal Road University in Canada.

• Preparing 5 catalogues of the company's products in English language

In order to introduce the products and abilities of the PTP tenant companies at international level, the issue of compiling and documentation of this abilities considered by the park, since 1386 (2007). At the same direction, the project of edit and publishing the introducing catalogues of the tenant companies' products considered, in association with TCO and, in 1386 (2007) the catalogues of 5 instances of the products were ready.

- Resitan Company products
- Fanavari-e Moj-e Khavar Company products
- Simorgh Sanat Company
- Pars Rus Company
- Nano system Pars Company

• Collaboration in producing "The Lost Ring" TV program

• Recording more than 50 news in media and news agencies and, an interview with Radio Javan



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Official Visits



Cross point of Iranian experts

for synergizing between **University** and **Industry**

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Official Visits



- 1- Iran Minister of Communications and IT
- 2- Tehran General Governor
- 3- Iranian Ambassador in Mexico
- 4- Iranian Ambassador in Uruguay
- 5- Iranian Ambassador in Venezuela
- 6- Iranian Ambassador in Canada
- 7- Iranian Ambassador in South Africa
- 8- The members of the US National Academy of Science
- 9- The Venezuelan President's Technology Advisor
- 10- The president's Advisor in Free and Special Economic Zones Affairs
- 11- Organizing and Strategic Supervision Deputy of the Executive Vice president
- 12- The ladies member of Islamic Councils across the country
- 13- Technology Undersecretary of the Ministry of Science, Research and, Technology
- 14- Research Undersecretary of the Ministry of Science, Research and, Technology
- 15- The Chief Manager of the Iranian Research Organization for Science and Technology
- 16- Sharif University of Technology assistants Association
- 17- The directors of the Iranian Organization for Endowments and Charities
- 18- Programming assistant of Tehran General Governor
- 19- Technology Undersecretary of the Ministry of Communications and IT
- 20- The President of the Organization for Management and Planning of Tehran Province
- 21- First Secretary of the South Korean Embassy in Tehran
- 22- ICESCO Regional Manager
- 23- Deputy in International Relations and, the directors from Iran Chamber of Commerce and Industry and Mine
- 24- President and Assistants of Iran National Productivity Centre
- 25- Occupation and Investment Committee of Tehran Province
- 26- The General Manager of the Parks and Incubators Office, Ministry of Science, Research and, Technology
- 27- The General Manager of Parliament Affairs , Ministry of Science, Research and, Technology
- 28- The General Manager of Research Affairs of the Organization for Management and Planning
- 29- Deputy in Development of Advanced Industries, Industrial Development and Renovation Organization
- 30- Head and Assistants of the Organization of Industries and Mines of Tehran Province
- 31- International Relations General Manager of the Ministry of Industry and Mine
- 32- The Assistance of Iran Organization for Trade Development
- 33- The Assistants of the Iranian Research Organization for Science and Technology
- 34- The Members of the Nano technology special campaign Headquarter
- 35- Board of the Medical Equipment Society
- 36- The presidents of Technology Parks and Incubators of the Country
- 37- Pardis New City Mayor and Members of the Islamic Council
- 38- Head and directors of the Company of Industrial Townships of Fars Province
- 39- The directors of the executive organs of Tehran Province
- 40- Directors of Telecommunications of Tehran Province
- 41- Managers and Assistants of Iran Television Documentary Production Centre
- 42- Directors of Razi vaccine and serum research institute
- 43- Managers of the Eshtehard Technology Services Centre
- 44- Azad Islamic University Research Council, Firuzkuh and Damavand Unit
- 45- Pasargad Bank Managers
- 46- Board of Trustees of Khoramdasht Industrial Zone



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