Fundamental Entity for Innovation Eco-system

STP’s

AminReza Khaleghian
Pardis Technology Park
1. Global Experience
2. IRAN Innovation Eco-system
3. PTP; a Major Role Player
Global Experience
Countries Driving Era

- Agriculture
- Industry
- Hi-tech
- Innovation

Before 17th century

Mass production

Industrial districts

STP's

1950

20th century

Innovation districts

20th
Innovation District

Self-sufficient area

Focus on knowledge-based jobs

Dense & Compressed

Active & Energetic

Smart city

High quality life

Biking, hiking

24/7/365

Concentration

Synergy & knowledge sharing

innovation.
Silicon Valley

- **Invention**: Started on 1951
- **Population**: 3M
- **Area**: 178k hectares
- **Innovative jobs**: 19k
- **GDP**: $235 billion
- **Entrepreneurship culture**
+15k Active Startups
Daedeok Innopolis

- Started on 1973
- Firms: 1.2k
- Gov. RDI: 33
- Jobs: 56k
- Area: 7k hectares
- Revenue: $12 billion

Innovative clusters
Jobs: 700k
FDI: $27 billion
Export: $43 billion
GDP Share: 2.3%
China export share: 10%
Firms: 25k
Area: 28.8k
Started on: 1992
1. Global Experience

2. IRAN Innovation Eco-system

3. PTP; a Major Role Player
3 Waves of STI Policy Development in IRAN

- **1990s**: Higher Education Development
- **2000s**: R&D
- **2010s**: Transition to Innovation & Knowledge-based Economy
Innovation Eco-system Players

- Government
- Mentor
- University
- Event
- VC
- Accelerator
- Co-Working
- Entrepreneur
Sustainable Entrepreneurship Chain

- Entrepreneurship Event
- Co-Working
- Innovation Accelerator
- Incubator
- Tech park
Entrepreneurship Events

Educational & Promotional programs to
Learn entrepreneurial skills.

❖ Summits
❖ Festivals
❖ Workshops
❖ Courses
❖ competitions

Motivational
Multi Function
Experience Exchange
Networking
320 Events
+18k attendees
+900 Mentors
+570 Organizers
62 Cities
56 Universities
21 Techparks
Co-Working

**Develop & Mentor Teams to Raise to Startups**

- Idea nurturing
- Team development
- Co-working spaces
- Business training
- Investor linkage
- Mentors nurturing

**Space for Events**

**Working space & Meeting room**

**Space for Mentors**

**Space for Education**

25 Co-work space
Innovation Accelerators

To help teams to accelerate growth rate & decrease failure risk

❖ Work space
❖ training
❖ Seed money
❖ Mentors network
❖ Investors network

40 Innovation Accelerators
Accelerators Output

264 Successful Startups

1k Trained Teams

1k+ Job Creation
Other Players

01
The law for supporting knowledge-based firms (2019)
+4300 firms yet

02
Innovation and Prosperity Fund
initial budget 1.8 million USD

03
New investors

20+
Angel Investors

20+
S&T Funds

17
VC funds
1. Global experience
2. IRAN innovation eco-system
3. PTP; a major Role player
Pardis Tech Park (PTP)

1st phase
20 hectares

2nd phase
18 hectares
PTP innovation Eco-System

- Investors
- Startup
- National & Int'l companies
- Innovative firms
- Professional services
- university
- RDI
- accelerator

- Idea & invention
- Business team
- Business facilitation
- Team-project
- Market Dev.
- investment

PTP innovation Eco-System
Pardis Technology Park

- Started on 2005
- Area: 256 Hectares
- Tenants: 58
- Hectares
- Job: 4.2k
- Reverse Immigration: 12
- Export
- Revenue: $16 billion
- Export: $30M

A sample of small innovation district
Investment

Government: $80 million

Private Sector: $1 billion

- Infrastructures and Urban Facilities
- Managerial and Official Team
- Central Complex
- Land Owning
- Building R&D Centers
- Outfitting and Labs
- Researchers payments
## Why PTP?

<table>
<thead>
<tr>
<th>Flexible Labor Laws</th>
<th>Customs and Duty Exemption</th>
<th>Facilitation for Financial Coverage</th>
<th>Professional Technology Services Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land and Infrastructure Ownership for 100%</td>
<td>Tax Exemption For 20 Years</td>
<td>Flexible Rules for Foreign Investment</td>
<td>Access to Region’s Market</td>
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<tr>
<td>Better Chance in Tender Bidding</td>
<td>Most Adjacent Free district to Tehran</td>
<td>Synergism with Homogenous Hi-Tech Companies</td>
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</tbody>
</table>
Pardis Innovation District

- Revenue: $1 Billion (5% of country GDP)
- Job: 50k
- Tenants: 1.1k
- Hectares: 1k
- Area
- R&D Share: %10
- Horizon 2040
- Reverse immigration
- Export
- $45 Billion

Reverse immigration, R&D Share, Export, Horizon 2040, Tenants, Area, Revenue, Job, $1 Billion, $45 Billion, %10
And the Last Word ...
### 2017 Global Startup Ecosystem Ranking

<table>
<thead>
<tr>
<th>City</th>
<th>Ranking</th>
<th>Performance</th>
<th>Funding</th>
<th>Market Reach</th>
<th>Talent</th>
<th>Startup Experience</th>
<th>Growth Index</th>
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<tbody>
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Governments Role

- **Financial Support**
  - R&D Grants
  - Cooperation loans

- **Gov. RDI Concentration**
  - RDI’s to motivate invention

- **Infrastructures**
  - Residential
  - Energy & Resources
  - Transportation

- **Business Facilitation**
  - Tax rules
  - Labor rules
  - IP rules
The End