



Yazd smart city based on thinking and technology and expresses the urban unit management

Strengthening the urban regional economy or, in other words, developing sustainable economy based on urban smartness are among strategies and methods necessary for economic development and attaining to sustainable economy in each country. Sustainable and smart economy requires smart facilities in each city including : smart economy, smart infrastructure and communications, smart urban transport, smart energy, smart government, smart security, smart health, smart business and even smart citizens. .

In this strategy namely sustainable economy based on smart city which has been established on the basis of systems theory and approach, cities are considered as a macro system, and each city is composed of components called subsystems, and these subsystems are in fact same organizations, industries, people and other urban components which are interact and communicate as regular and comprehensive with each other in order to achieve the ultimate goal which is the developed and sustainable city economy.

It is clear that by virtue of such a systematic and integrated view to the city as a macro system, and by considering organizations and industries settled in each city as constituent of city, as well as the systematic and integrated communication of urban complex and components as sub-systems, so macro system is a city where scientific, social, cultural, and economic development of smartness occur in each city and ultimately in each country.

A smart and sustainable city is an innovative city that uses information and communication technologies and other tools to improve life quality , operational efficiency, and urban services and competition by ensuring that economical, social and environmental requirement of current and future generations are accomplished and are attractive for citizens, entrepreneurs and workers.



Yazd Infrastructure to realize smart city

- Second place in infrastructure and access to country's information technology
- Fourth place in the country's information and communication technology
- the first development center of information and communications technology licensed by the government.
- The first innovation center focusing on electronics, Megatragonic and robotics, and supporting 220 innovative project in this area.
- Supporting accepted projects at the Yazd Science and Technology Park Innovation Center
- Granting facilities to the technology institutes and knowledge – based companies through Yazd Science and Technology Fund (from 2012 to date, 15 million \$ in the form of 1310 items facilities)
- 600000 \$ VC investment in four ICT projects (admission system 24, Payout...)
- establishing Digital Arts Technology Development Center
- center of providing Airport Facilities of Technology Development headquarters and air and aviation Knowledge- based Industries (Science and Technology vice president)
- activity a significant number of content production companies (CPs) under Science and Technology Park
- 69 Universities and Higher Education Institution in Yazd
- 89,000 students in different course at university centers
- Annually more than 800 graduates in ICT related fields



The most important activities of Yazd city to realize smart city

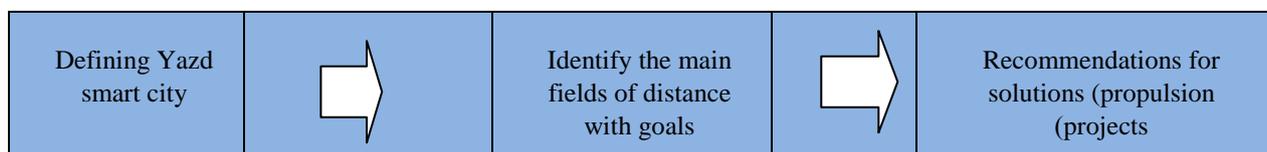
1- Yazd Smart City as Thinking Center

The route of attaining smart city is exclusive for each city, and depends on the level of distinctive maturity and challenges of that city. In order to take first steps for changing Yazd into a smart city, Yazd smart city thinking center has been formed with the Yazd university orientation to attract participation and coordination of the organizations involved in Yazd smart making.

The goals of this center are:

- Leadership, study and implementation of Smart City requirements
- Attract partnerships and coordination of relevant organizations to make Yazd as a smart city
- Providing ideas and solutions to problems, challenges and future thinking about subjects desired by smart city managers and policymakers of smart city and helping them to make decision.

To define Yazd smart city, defining objectives, identification of weaknesses and proposing suitable solutions to remove it, a structured process was used. In this process, various beneficiaries were consulted through the thinking center of Yazd Smart City, and their views and information were used to accelerate the discussions, decisions and actions for achieving the prospect of smart city of Yazd.



Smart city map

More than 100 index of smart city of Yazd in six dimensions of smartness mentioned in the framework of smart city wheels were studied in six dimensions and among them, smart city index of Yazd were selected. Also,



with view to the approach of Local Thinking Center members, some indexes were added.

Also at a ceremony with the presence of the governor and members of the Islamic council, Yazd municipality, and relevant authorities, this statement " smart City Vision of Yazd" was made public aimed make effort to transform it into a smart, sustainable and innovative city.

2- making public and implementing Citizenship Cards Master Plan in Yazd with the following objectives:

- Creating an integrated field for making different urban services to the citizens following the concepts of smart city
- Creating an appropriate infrastructure for optimal urban planning and management based on citizenship card
- Facilitating in urban micro payment such as bus and taxi fares, making use public car parks and cultural and sports services.
- Better supervision on the citizen card-based incomes as online
- using urban services and on line managing of citizenship account
- Using benefit of credit- benefits citizenship cards
- Possibility of managing utility tariffs
- Reduce waste of time, money and human resources

3. Yazd as the first smart city of traffic control in Iran

Yazd is the first smart city in Iran to control traffic; technological activities have been proceed in Yazd and its cities to smart control of traffic and are controlled intelligently.



4. Native searching "Parsijou"

Native National searching is a comprehensive web page prepared to give services to Iranian and Yazd users.

5. ICT Specialist Accelerated Center

With considering potential and advantages of Yazd province in the field of communication and information technology, the necessary coordination between the provinces was carried out and the ICT specialized acceleration center was established in cooperation with the Kavir Pishgaman group at Yazd University.

6. Making Flagship Corridor project of optic fiber unit in the Yazd with the focus on the Yazd Science and Technology Corridor

7. Study, research and analysis and giving proposals for policies and strategic planning

8. Changing general ideas and initial suggestions about smart city into general policies and programs

9. Establishing necessary field for voting in Smart City through holding conferences

10. Provide study findings to experts, directors and thinkers room of the province

11. Future thinking studies, evaluation and analysis in the field of smart city

Operating agency of Yazd Science and Technology Corridor