

# Smart Yantai in brief

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# Content

- **About Yantai**
- **The Architecture of Digital Yantai**
- **What We Have Already Done**
- **What We Plan To Do Next**
- **Cooperation with NiCE project and EU Cities**



## About Yantai



## About Yantai

Yantai is located in the east of China, in which Beijing is in the west, Shanghai is in the south, Japan and Korea are in the east.





## About Yantai



**\*It governs five districts, seven county-level cities and one county**

**\*The area is 13,700 km<sup>2</sup> and the population 6.5 million**

## About Yantai



**\* In 2011, the gross domestic product (GDP) is 490.6 billion yuan , the economic aggregate of the city ranked twentieth of all large- and medium-sized cities all over the country and the second in Shandong province.**



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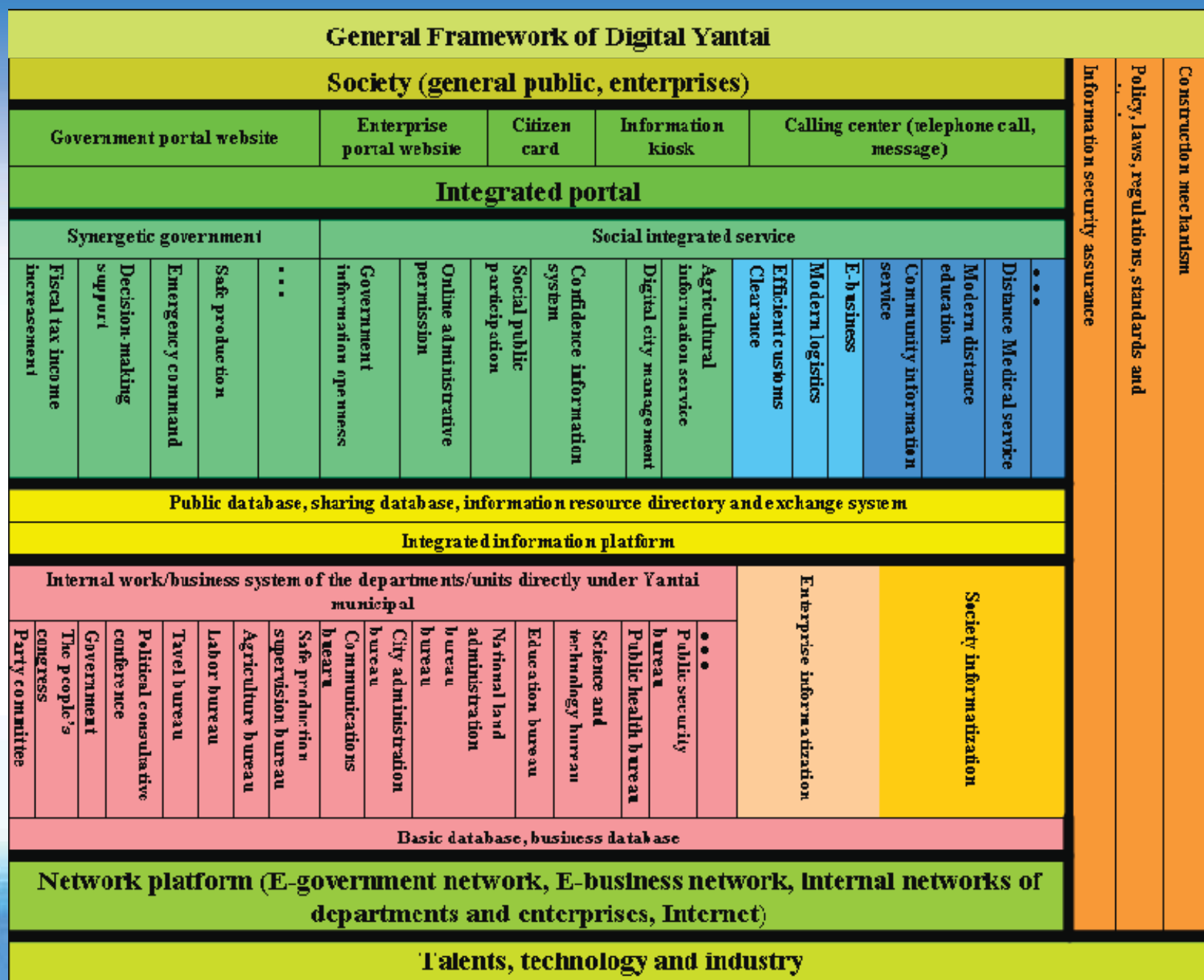


# Smart Yantai

- **The first step: Digital Yantai (Now we are here!)**
- **The second step: Smart Yantai (Our future Plan!)**



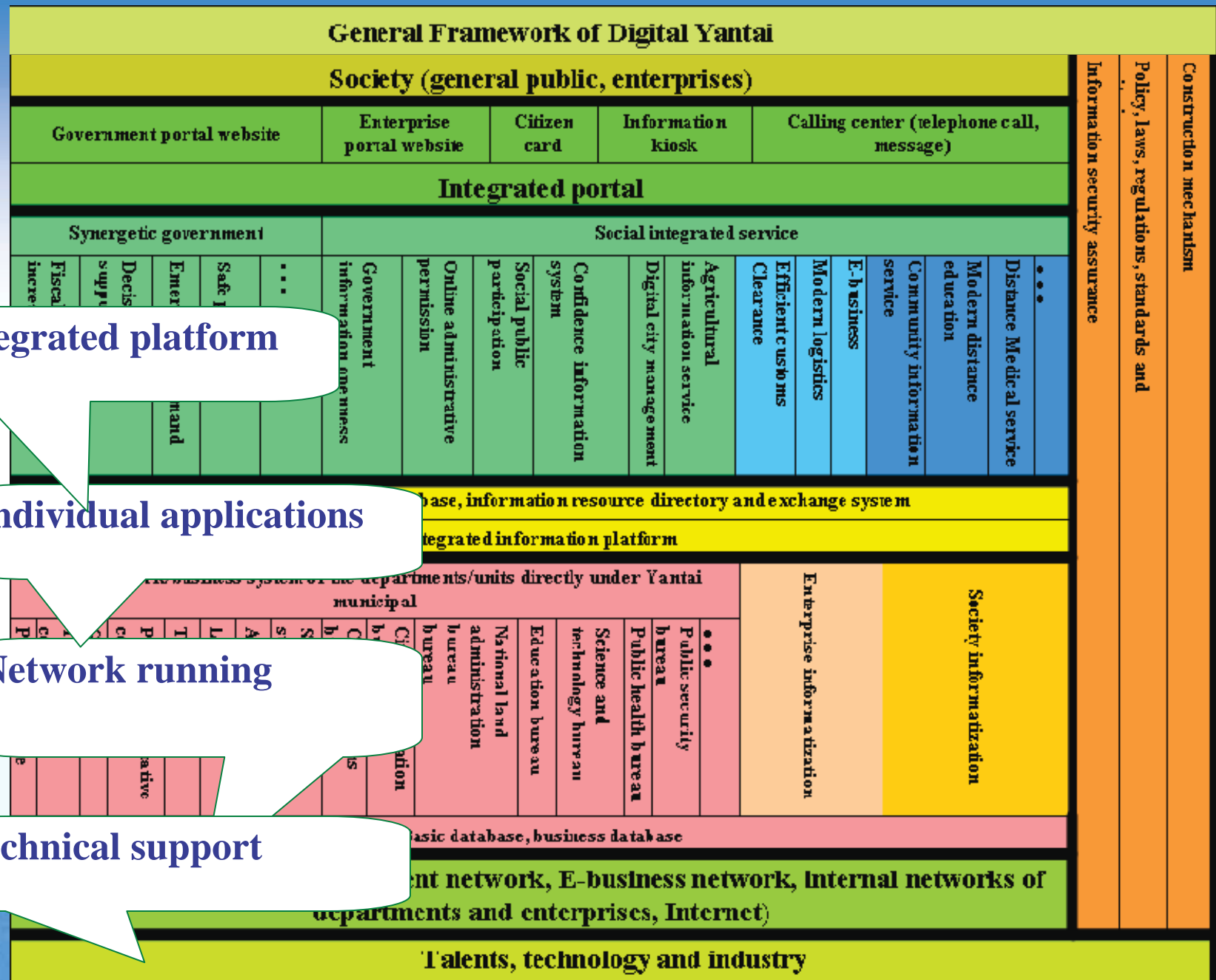




Construction mechanism

Policy, laws, regulations, standards and

Information security assurance



Integrated platform

individual applications

Network running

Technical support

## General Framework of Digital Yantai

### Society (general public, enterprises)

Government portal website

Enterprise portal website

Citizen card

Information kiosk

Calling center (telephone call, message)

### Integrated portal

Electronic government

### Social integrated service

Financial

Support

Decision

Emergency

Service

Government

Information

Online administrative

permission

Social public

participation

Confidence information

system

Digital city management

Agricultural

information service

Efficient customs

Clearance

Modern logistics

E-business

Community information

service

Distance Medical service

Modern distance

education

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Public database, sharing database, information resource directory and exchange system

### Integrated information platform

Units directly under Yantai

Enterprise informatization

Society informatization

Public security

Public health bureau

Science and technology bureau

Education bureau

National land

administration

bureau

administration

communications

production

division bureau

culture bureau

or bureau

l bureau

ical consultative

erence

eriment

people's

press

y committee

Basic database, business database

Network platform (E-government network, E-business network, internal networks of departments and enterprises, Internet)

Talents, technology and industry

Construction mechanism

Policy, laws, regulations, standards and

Information security assurance

users

Integrated portal access channels

collaborate applications

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## **What We Have Already Done**

**The main purpose in the past is**  
to provide better services using ICT

**The main projects we have done in the past include:**

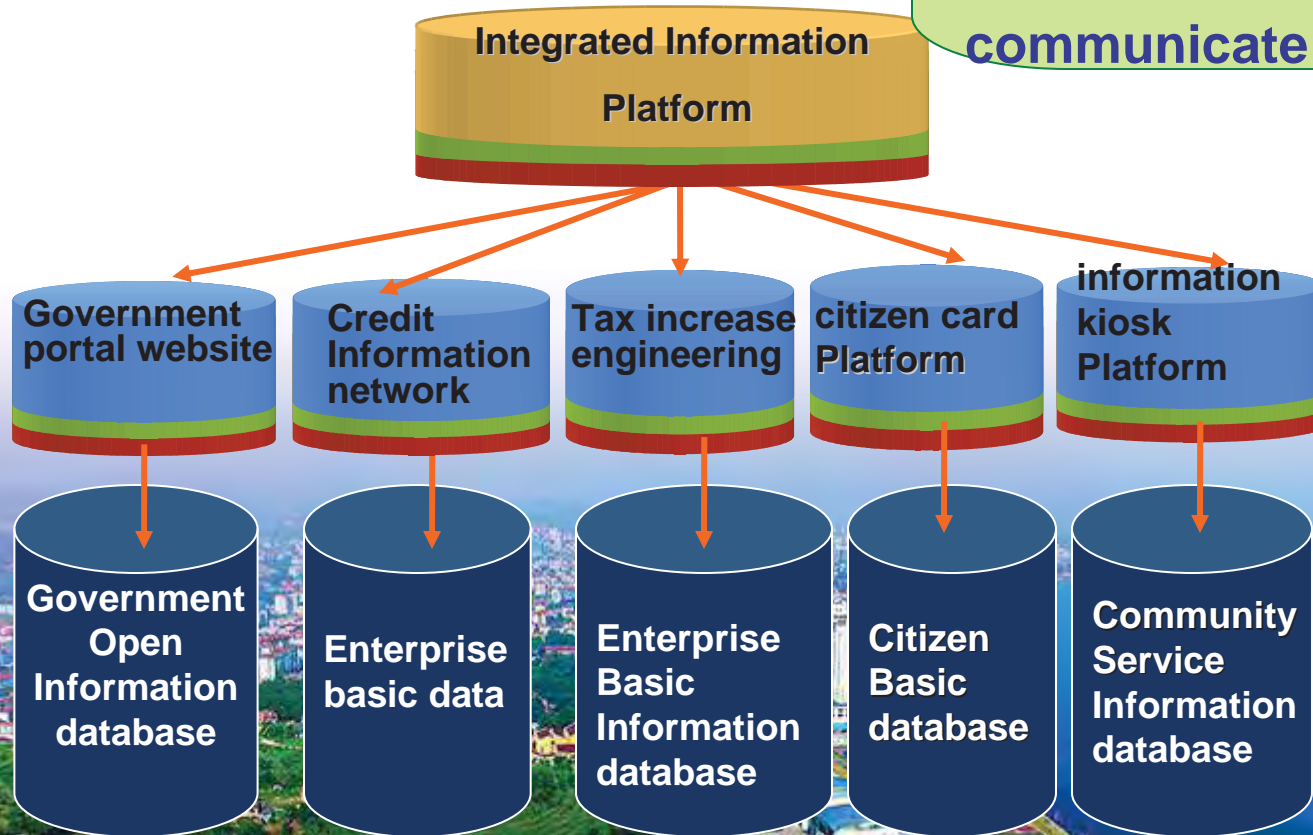
- Integrated platform
- Various access channels like portal, citizen card, kiosk, etc....
- Online service
- E-classroom
- E-endowment insurance



## What We Have Already Done

### The integrated information platform

Is made by government for individual application data from different departments to communicate and share,



## What We Have Already Done

### Access channels

There are many channels to access



government  
portal website



citizen card



information kiosk



Call-center

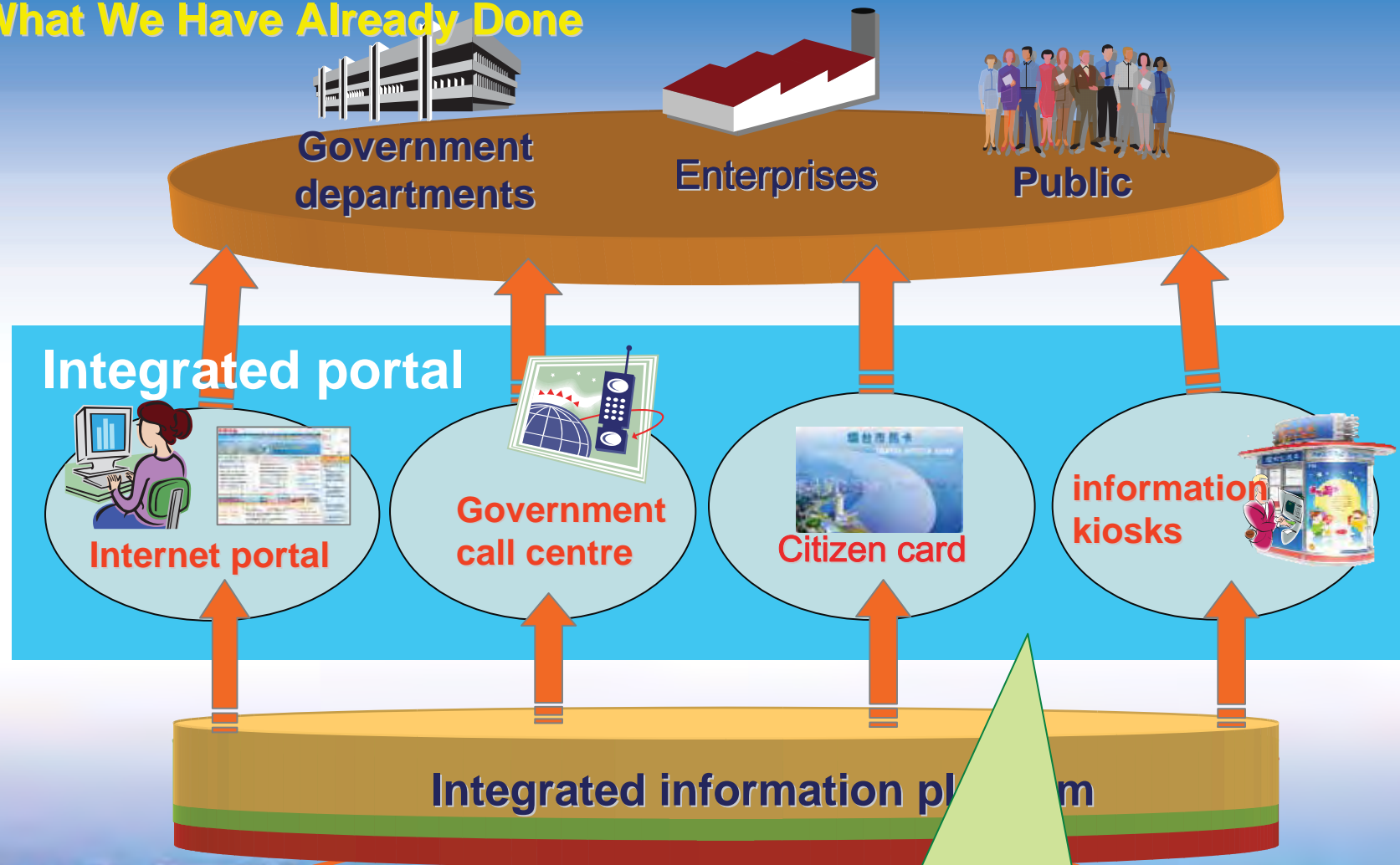


mobile telephone  
message



digital  
television

## What We Have Already Done



Portal & content  
mgmt system

Administrative  
approval

Online  
transaction

Multi  
Infor  
inquiry

the integrated portal is  
formed by these access  
channels which connect  
people and service systems.



## What We Have Already Done

### Case 1: Yantai e-Government portal

[www.yantai.gov.cn](http://www.yantai.gov.cn)





# What We Have Already Done

108 Different local department websites.

The collage features several overlapping website screenshots. Visible titles include '烟台市' (Yantai City), '烟台农业信息' (Yantai Agriculture Information), '中国烟台地政局' (China Yantai Land Administration Bureau), '烟台市政府门户网站' (Yantai Municipal Government Portal Website), '烟台人事考试网' (Yantai Human Resources Examination Network), and '信访举报网站' (Petition and Reporting Website). The interfaces show typical elements like navigation menus, news feeds, search bars, and official logos.[illegible]

## What We Have Already Done

### Csae2: Yantai citizen card





## What We Have Already Done

The functions of Citizen card are:

- self-pay
- take the bus
- .....





## What We Have Already Done

### Self-pay

You can pay yourselves on the self-pay terminal by putting the card on the slot and press the button follow the instruction.



## What We Have Already Done

### Take the bus

you can use citizen card to take the bus. Just put the card nearby the terminal, after hearing a voice, you can get on the bus.





## What We Have Already Done

**Now, citizen card can be used :**

- ❧ pay water bill
- ❧ pay electricity bill
- ❧ pay mobile phone bill
- ❧ pay telephone bill
- ❧ pay cable TV bill
- ❧ pay internet bill
- ❧ pay short message bill
- ❧ pay bus fare



**It is planned to be used:**

- park entrance fee
- taxi fare
- madicare fee
- education fee
- parking fee
- .....



## What We Have Already Done

### Case 3: kiosks



#### 烟台市人民政府办公室文件

烟政办发〔2007〕137号

##### 烟台市人民政府办公室 关于印发烟台市市民卡管理试行办法的通知

各县市区人民政府（管委），市政府各部门，有关单位：

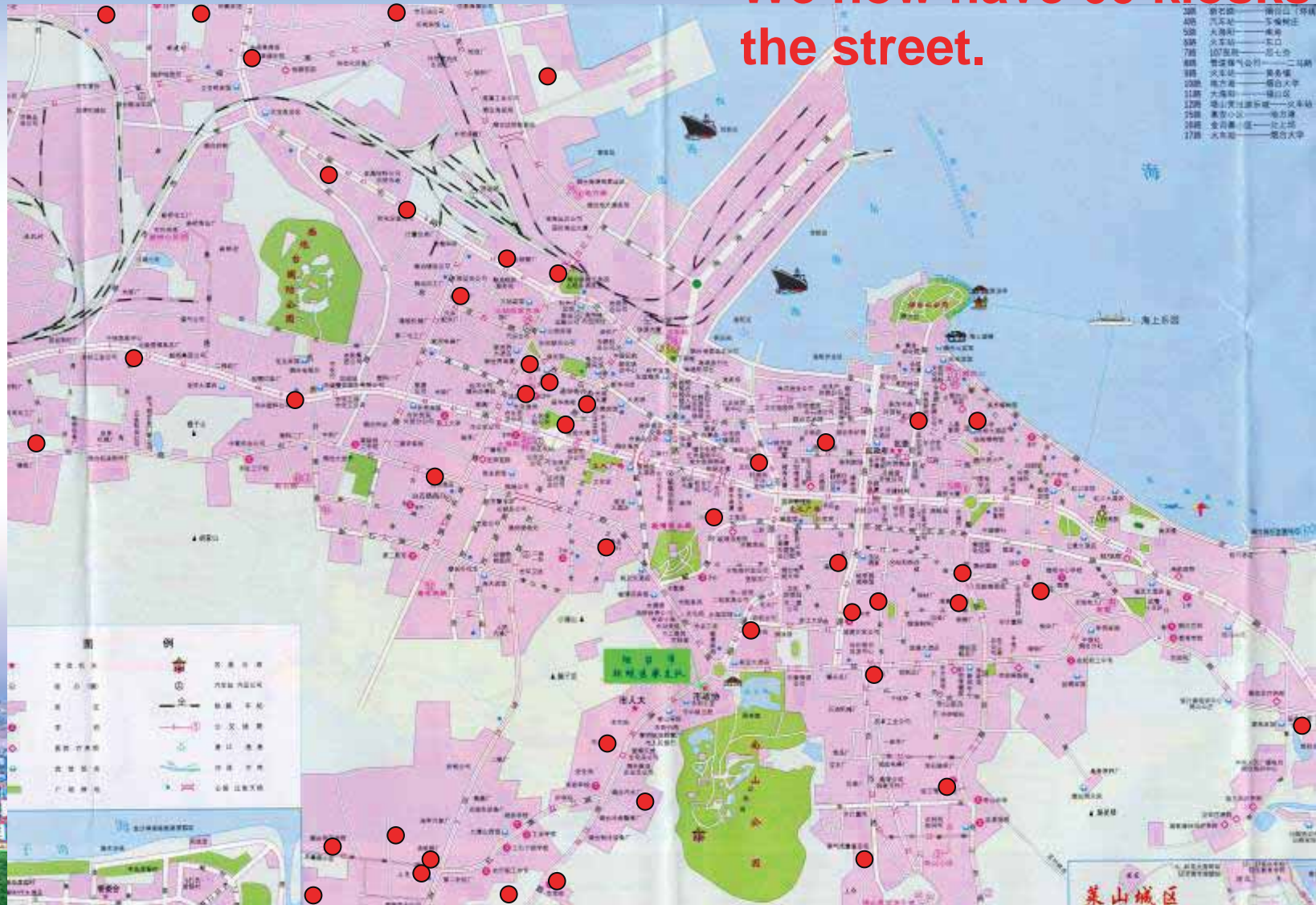
《烟台市市民卡管理试行办法》已经2007年10月26日市政府第12次常务会议研究通过，现印发给你们，望认真遵照执行。

二〇〇七年十一月三十日

— 1 —

## What We Have Already Done

We now have 60 kiosks on the street.





## What We Have Already Done

### Information searching

You can found information in the kiosk like:

Yantai in brief,

tourist information

Weather information

Transportation information

hospital information

common telephone numbers

.....





## What We Have Already Done

### Citizen card station

You can: apply for, self pay,  
value top up, check blance



## **What We Have Already Done**

### **Online services**

**We now have three online service system:**



**Information Disclosure**



**People Voice Online**



**Online Public Services**

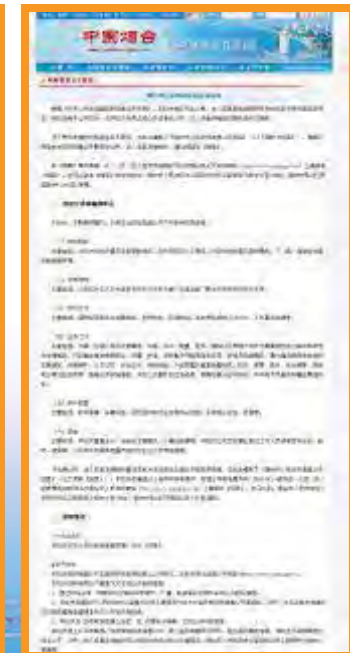




# What We Have Already Done

## Information Disclosure

There are 86 local departments, opening 14,459 items of government information.





# What We Have Already Done

## People Voice Online

Almost 100 government departments have attended the platform's daily work; the feedback rate of the platform is always above 95%.



# What We Have Already Done

## Online Public Services

There are 281 administrative approval proceedings are moved to the internet.





## What We Have Already Done

### E-classroom

At present there are totally 609 schools in Yantai. Most of them have attended a “campus to campus network” project, which is, using network technology to connect all schools in Yantai with each other. Among these schools 172 of them have become pilots of “class to class network” project.

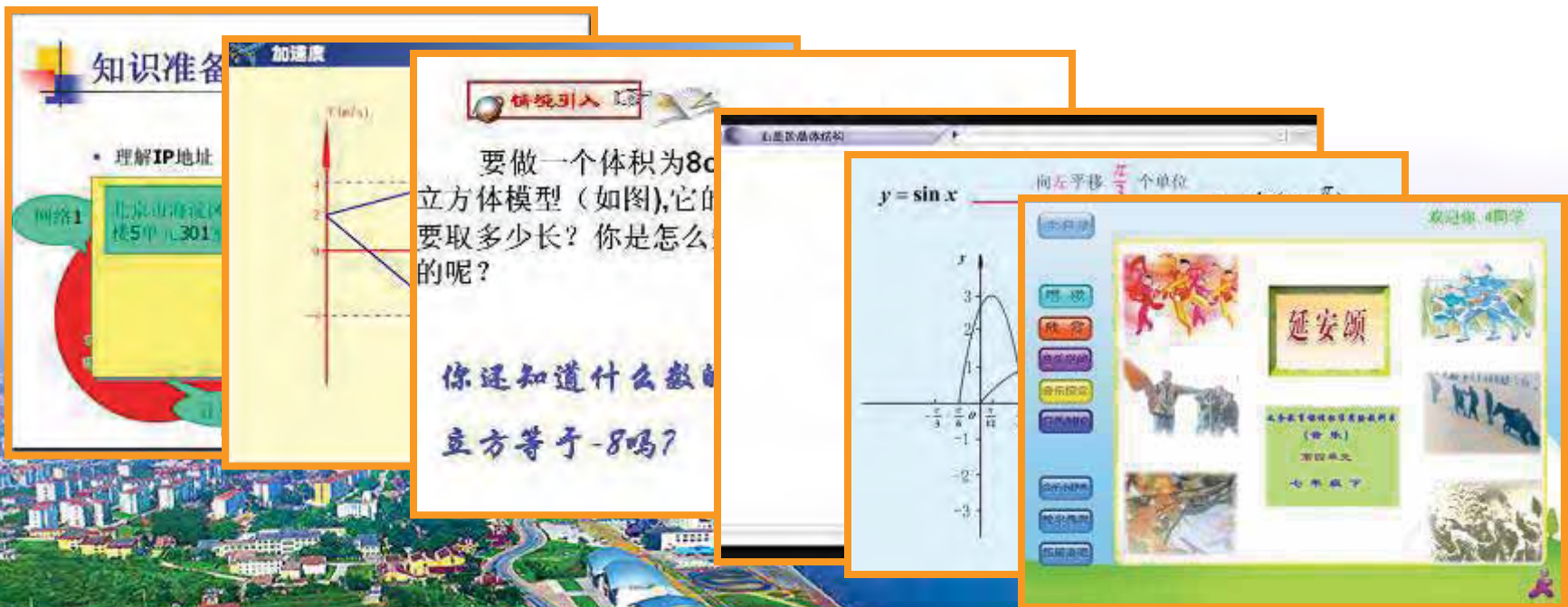




## What We Have Already Done

### E-classroom

There about 8 million Courseware's in total which deals with mathematics, physics, chemistry, Chinese, English, biology, computer, art, music, etc.



## What We Have Already Done

# E-social insurance

The E-social insurance system contains five subsystems:

- Endowment insurance: 1.48 million people
- Basic medical care insurance: 2.08 million people
- Unemployment insurance : 0.84 million people
- Work- hurting insurance: 1.03 million people
- Pregnancy insurance: 0.72 million people



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## What We Plan To Do Next

### **The main purpose in future is**

to focus on sustainable issues as well as providing better services

### **The main activities we plan to do in future include:**

- **Energy saving**
- **Environment protection**
- **Intelligent transportation**



## What We Plan To Do Next

# Energy saving



**Upgrade equipment itself**



**Improve electricity using process**



## What We Plan To Do Next

# Energy saving

equipment itself

**In industry area: information technical reform  
old machinery.**

**In daily life: low carbon emission equipment  
like TV, fan, frequency conversion air-condition,  
etc**





## What We Plan To Do Next

# Energy saving

Electrical using process:

**For public: plan to use Remote control technical to control street light to light on or off at different time.**

**For family: Plan to divided 24 hours to Peak time and peak off time with different fee using remote record system.**



What We Plan To Do Next

# Environment protection



**Pollution monitoring**



**Reduce emission**



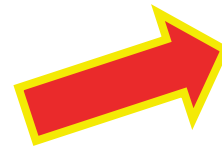
**What We Plan To Do Next**

# **Environment protection**

## **Pollution monitoring**



**Air monitoring**



**For forecasting  
and taking actions**



**Pollution monitoring Water monitoring**





## What We Plan To Do Next

# Environment protection

Reduce emission

Use ICT to reform old equipment

Use ICT to make public transportation more convenient to encourage people to use public transportation

Use public bicycle as city transportation tool (Using citizen card to rent the bicycle in public area)



What We Plan To Do Next

# Intelligent transportation



**transportation problems**



**Intelligent transportation**



## What We Plan To Do Next

# Intelligent transportation

### Transportation problems:

traffic jams especially in peak time

park problems (1.33 million cars)

carbon emission





## What We Plan To Do Next

# Intelligent transportation



**Monitoring at cross**



**Dynamic Traffic  
condition monitoring**



**Intelligent traffic lights**



**Auto-Parking management**



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**Past Successful Cooperation with EU**  
-----**EU-China Information Society Project**

## Brief

**From 2005 to 2009, Yantai has been one of five pilot Chinese cities of EU-China Information Society project.**





**Past Successful Cooperation with EU**  
-----**EU-China Information Society Project**

## Brief

**Through 25 trainings, 1627 + peoples from 100 + Yantai government agencies' got benefits and improved their knowledge and skills in e-government, project management, network security, middleware, information infrastructure, etc;**



**Past Successful Cooperation with EU**  
-----**EU-China Information Society Project**

# Relationship

**We have sent 4 groups of visitors to EU countries and cities, visiting and experiencing how they build their IT projects.**



# **The Possible Cooperation with NiCE and EU Cities**

- **Enable Yantai to be involved in the relevant research projects (Try our best to be the first Chinese city which signs the Charter)**
- **Make a series of distribution activities toward the NiCE project in China**
- **Play the role as a pilot city to test the newest green and digital technologies and solutions.**
- **Exchange the experiences toward green and digital activities between EU and China**
- **Others potential cooperation activities...**





# We Hope

- **Knowing EU experts**
- **Learning experience**
- **Enhancing capability**
- **Setting up relationships**



Thank you!

