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# Characteristics of KONEPS

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**One-Stop  
Service**

**3 Major  
Features**

**Integration**

**Single  
Window**

# Characteristics of KONEPS



## *Single Window for public procurement*

- ⊙ **Integrated provision of all bid information**
- ⊙ **One time registration at KONEPS suffices participation in all tenders**

# Characteristics of KONEPS

## *Integration of entire procurement work*

- ⦿ **All business is conducted via the Internet (registration, bid notice, bidding, contracting, payment)**

## *One-stop service*

- ⦿ **160 types of documents handled online by linkage with 100 external systems**

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KONEPS Architecture

# KONEPS Structure

The on-line procurement system whereby whole procurement procedures are processed automatically is composed of 4 major solutions – bidding, contracting, purchasing and payment.

## e-Bidding

- Bid Notice Registration
- Price Assessment/RFQ
- Auction Management
- Evaluation / Analysis

## e-Contracting

- Contract Registration
- Contract Composition
- Contract Review
- Contract Closure

## KONEPS System

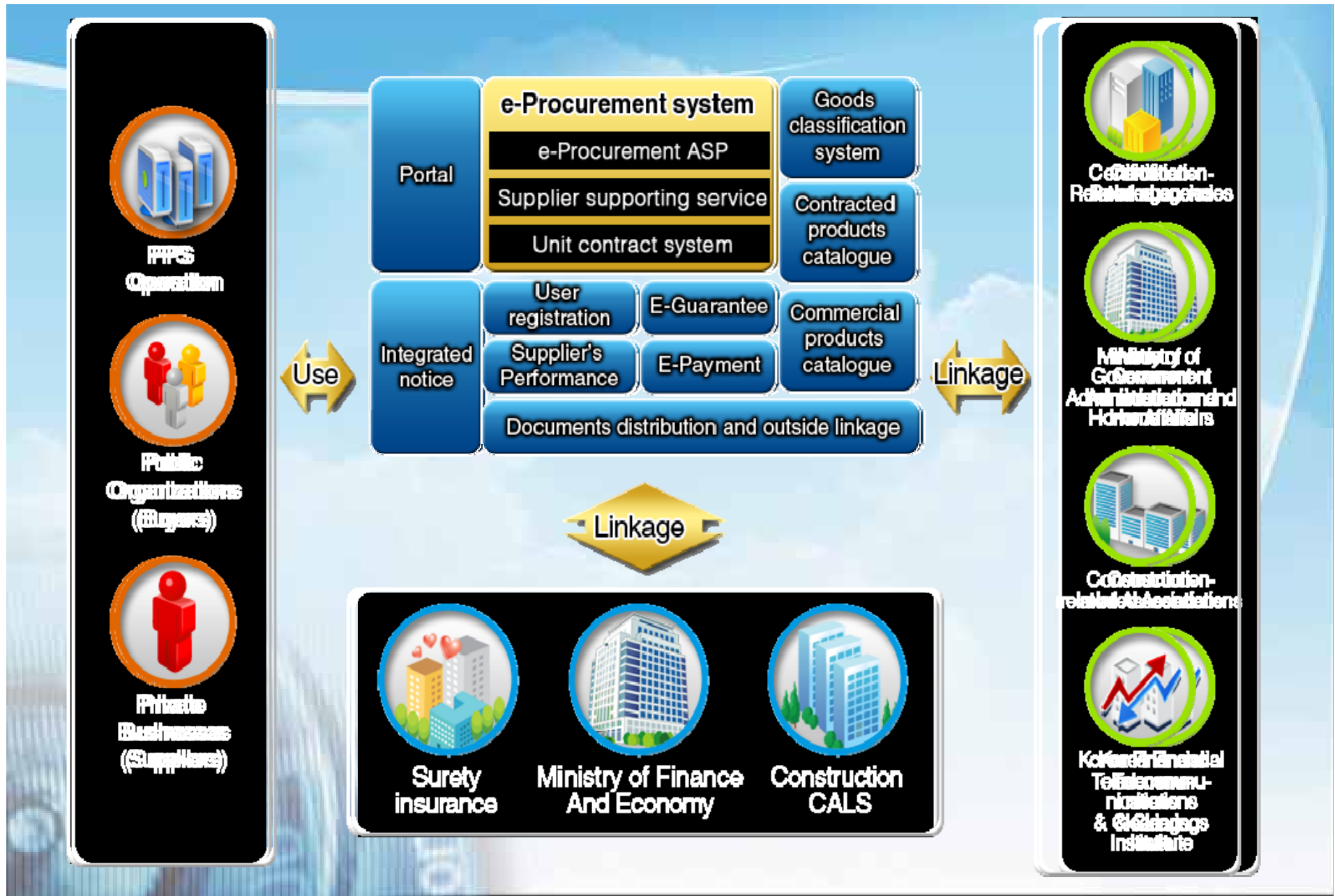
## e-Payment

- Payment Request
- Payment Verification
- Expenditure Mgmt.
- Monetary Transfer
- Fee Management

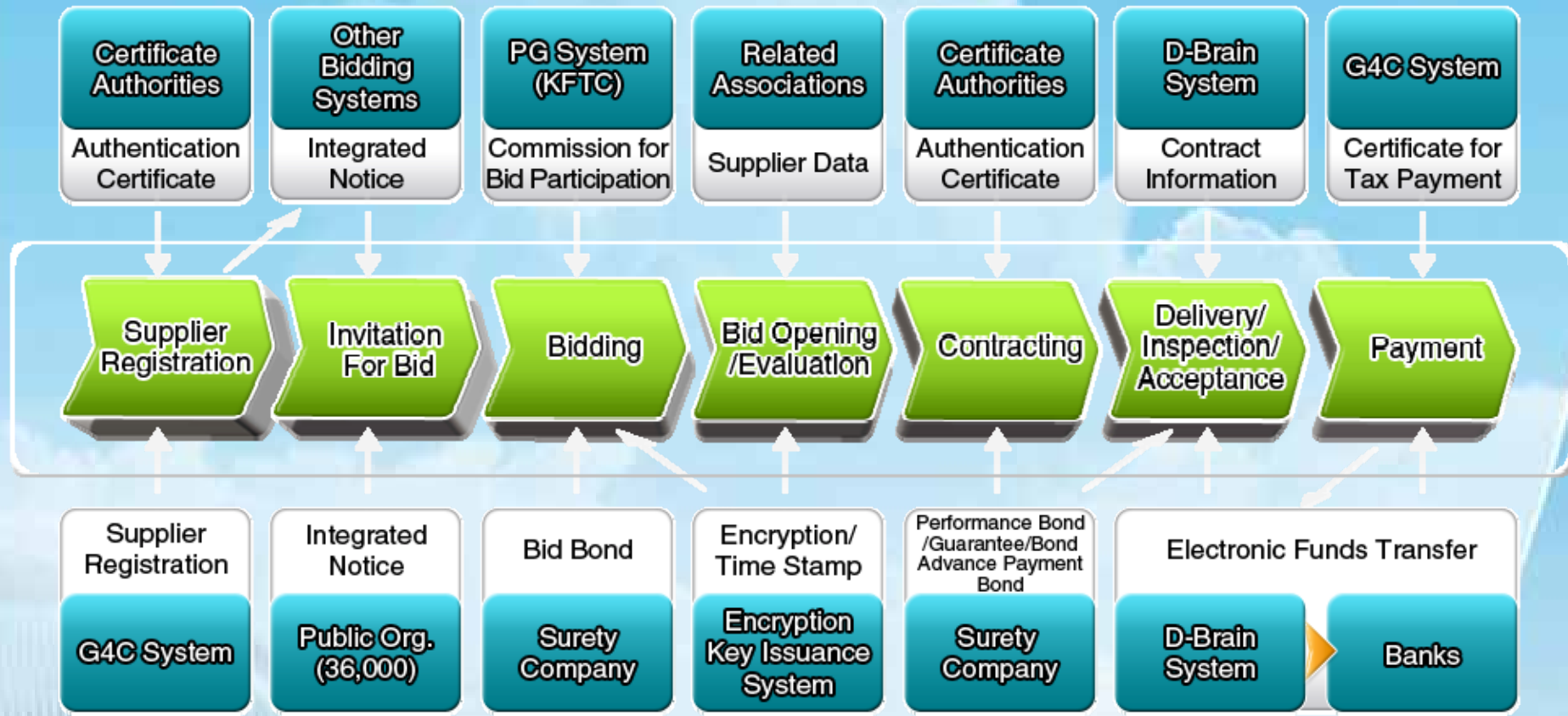
## e-Shopping Mall

- Product Registration
- Product List Inquiry
- Product Search
- e-Mall

# KONEPS at a Glance



# KONEPS Process

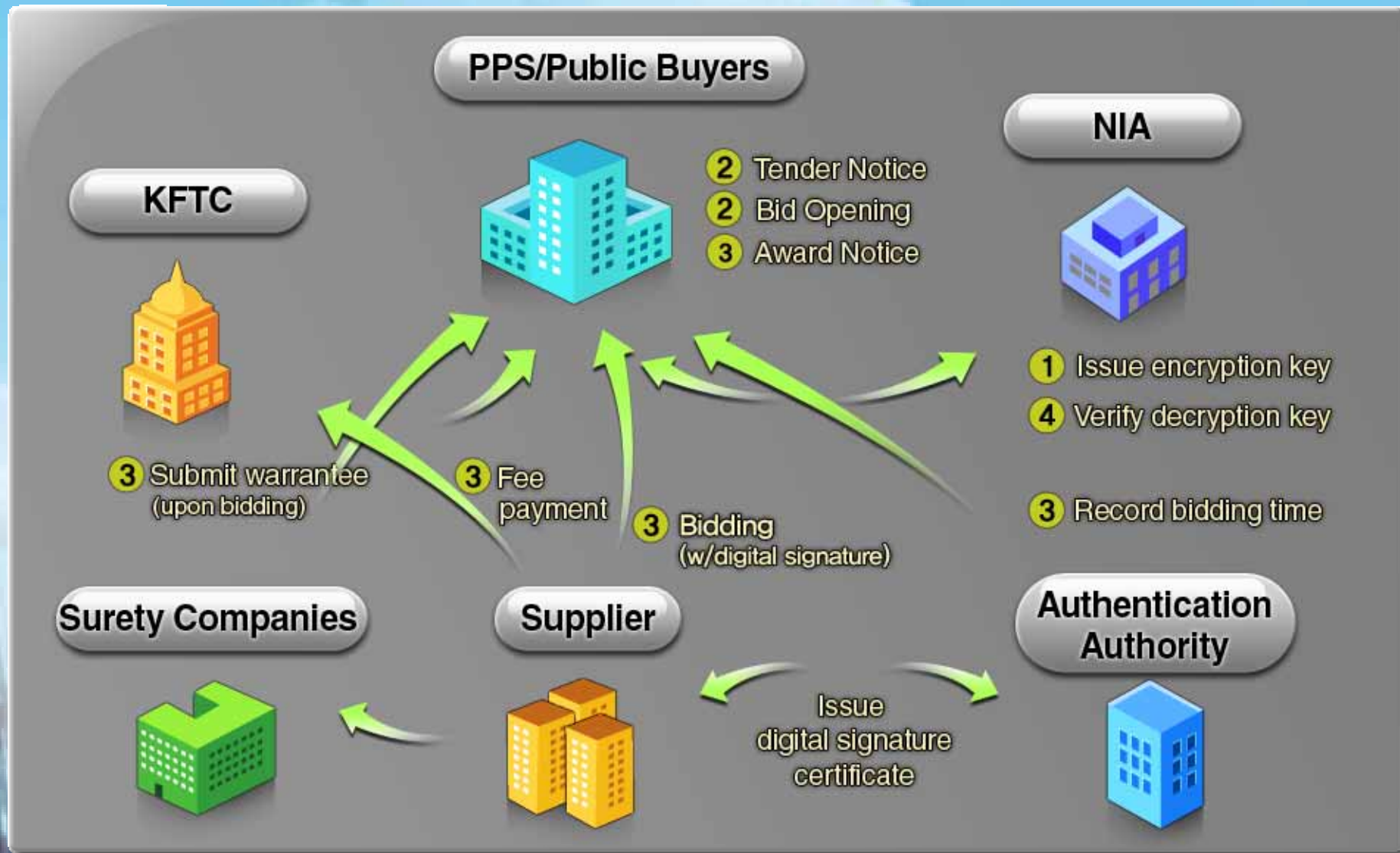


**Online Transaction**

- All procurement processes are digitalized from supplier registration to final payment
- One-stop service is provided by using the linkage with 100 external systems

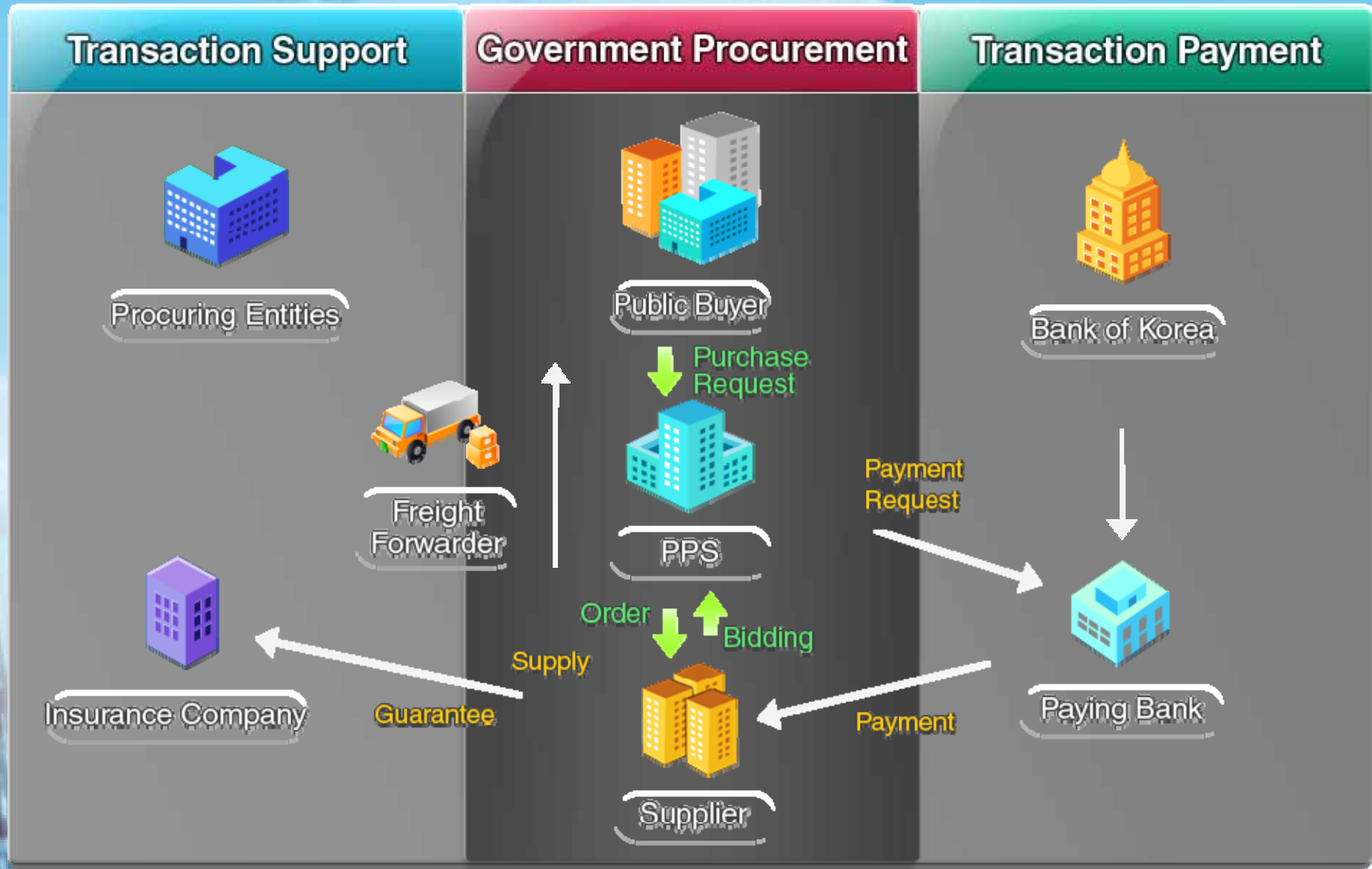


# e-Tendering Flow



• KFTC : Korea Financial Telecommunications & Clearing Institute  
• NIA : National Information Society Agency

# Stakeholders



# Security and Authentication method of e-bidding

- Reliability and Stability in e-Transaction are secured thru digital signature and encryption technology. (PKI method is used)



# All about KONEPS

## Network Security

- Separation of Intranet and Extranet, Dual Fire-wall, Intrusion Detection System, Security Solutions, etc
- Periodic Security Check-up

## System Operation complying with ITIL

- Check and Balance between PPS and outsourced Operator, Programmers and System managers

## Access control to system, program and D/B

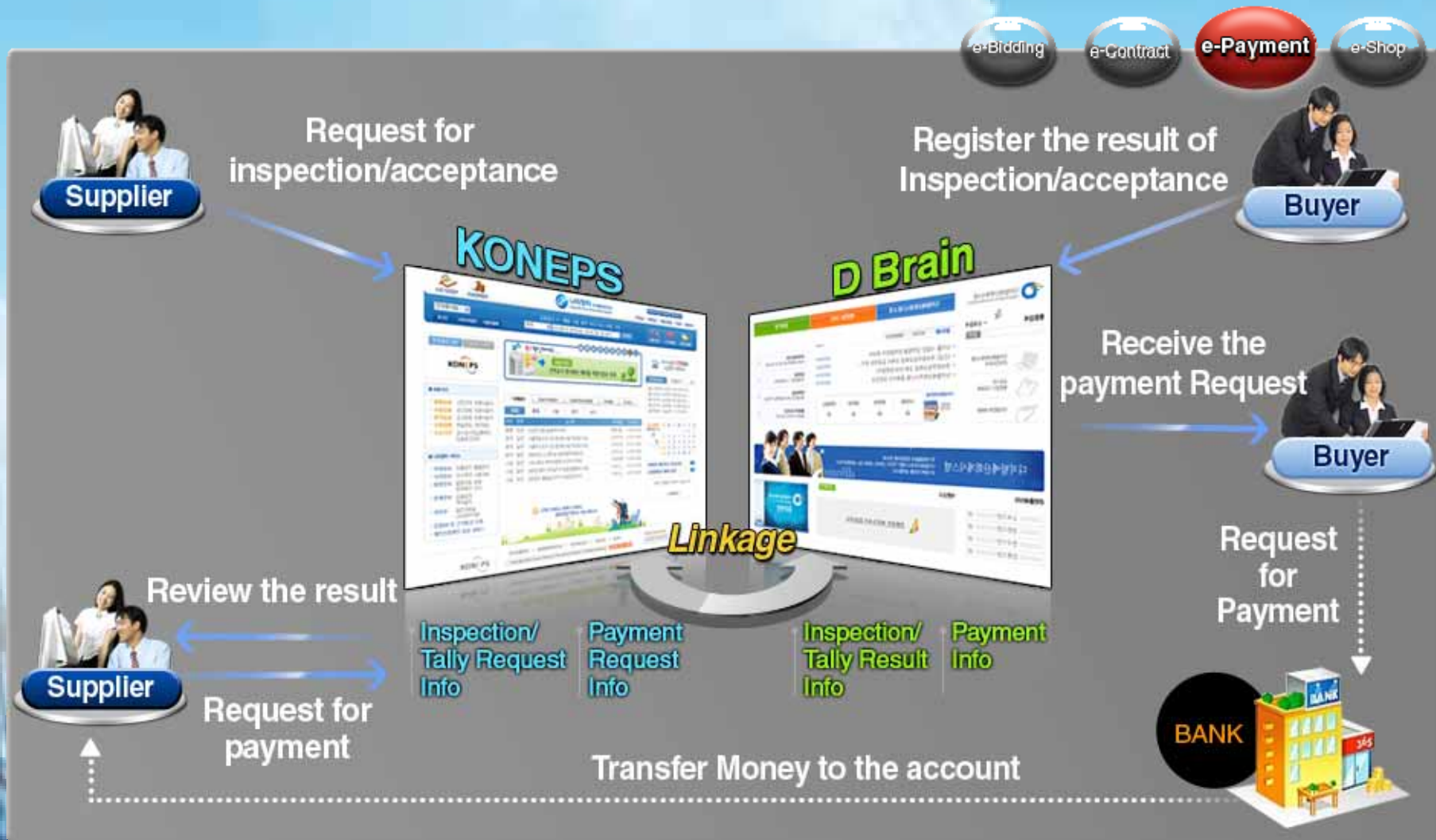
- National Computing & Information Resources Center
- Automatic management of log access and program modification history, post-verification system
- On-line monitoring of program modification by the independent body

## Service Stability against accidents

- Dual operation of servers and networks, Back-up Center(Data mirroring), ITSM

# e-Payment

E-payment is made after inspecting and accepting the final products



# e-Shopping Mall

- The online shopping mall on which public orgs. can purchase goods which are registered by PPS thru unit price contract or multiple supplier award with supplier.



# Coping with Obstacles in Establishing KONEPS

## • **Resistance within**

"Wouldn't e-Procurement make PPS's function obsolete?"

"e-Procurement would weaken PPS's authority"

## • **Fear and antipathy towards changes**

• Emphasis on Creating New Roles and Functions

• Sharing Awareness of the Need for Change

• Setting a Clear Vision

# Coping with Obstacles in Establishing KONEPS

- **Need for a cross-ministerial collaborative network**

- promote e-procurement system establishment by individual orgs

- **KONEPS is a government-wide project requiring linkage with external systems**

- Avoid Redundancy in System Development

- Establish Government-wide Collaboration

- Formation of Joint Practical Work Group



# Coping with Obstacles in Establishing KONEPS

- ⊙ **Persuading government orgs. and suppliers**
- ⊙ **Temporary inconvenience and fear for changes and innovation**

• Raise understanding

• Persuade through education

• Alleviate customer anxiety