



Internet of Things and Mobile Commerce in China

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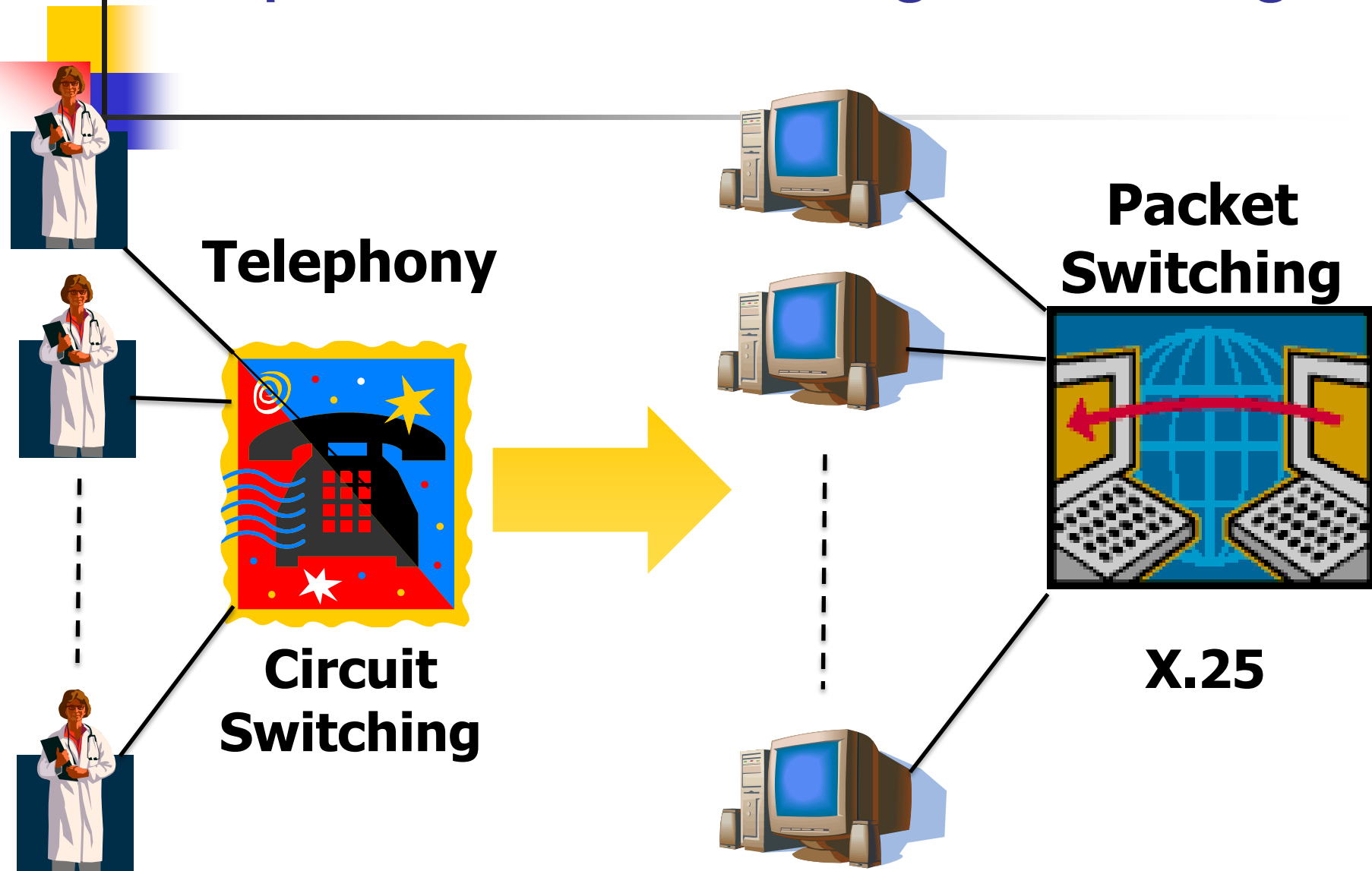
Assistant to President of Beijing University of Posts &
Telecommunications

Board Member of ITS

Fellow of China Institute of Communications

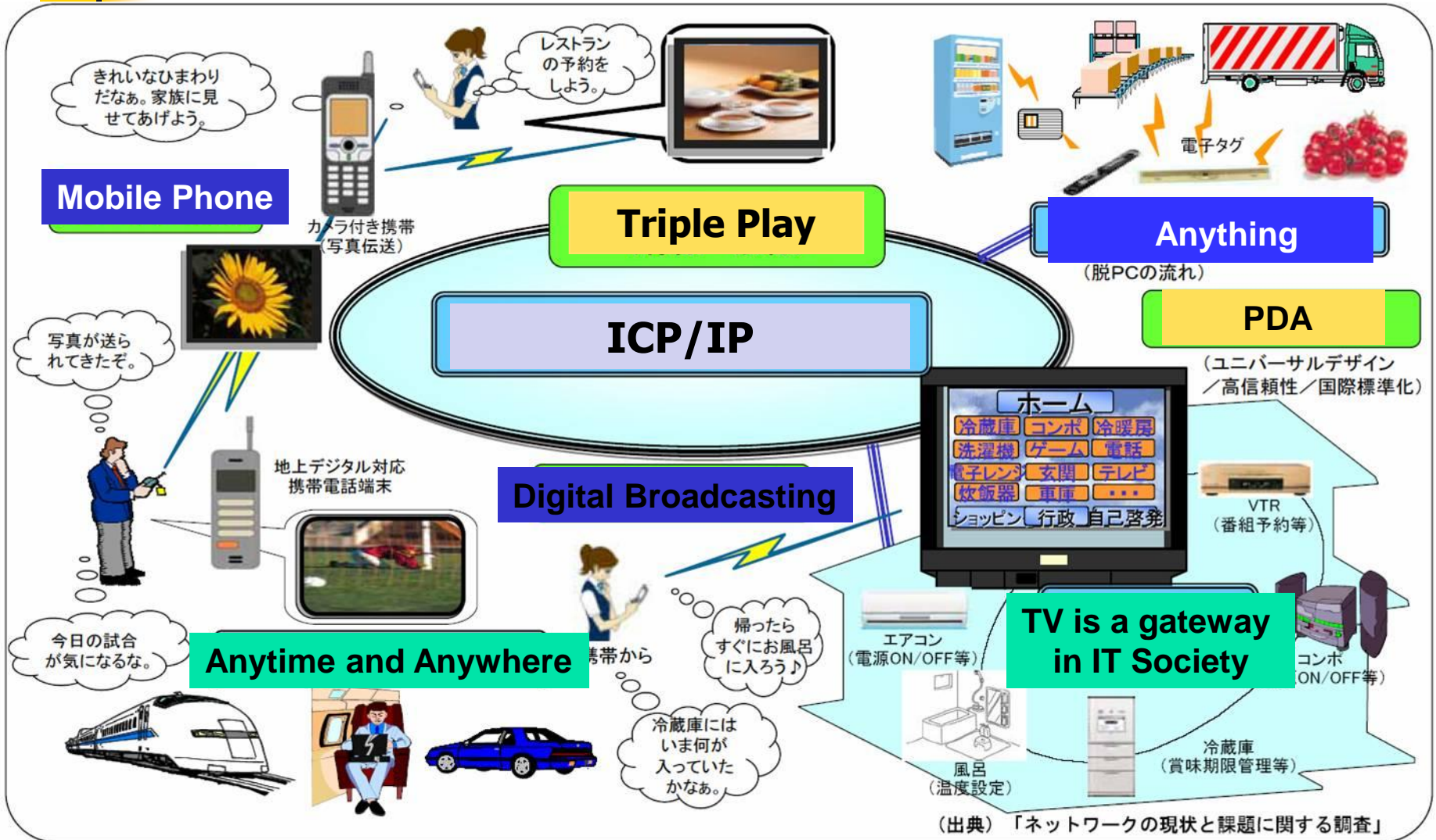


Development of Networking Technologies



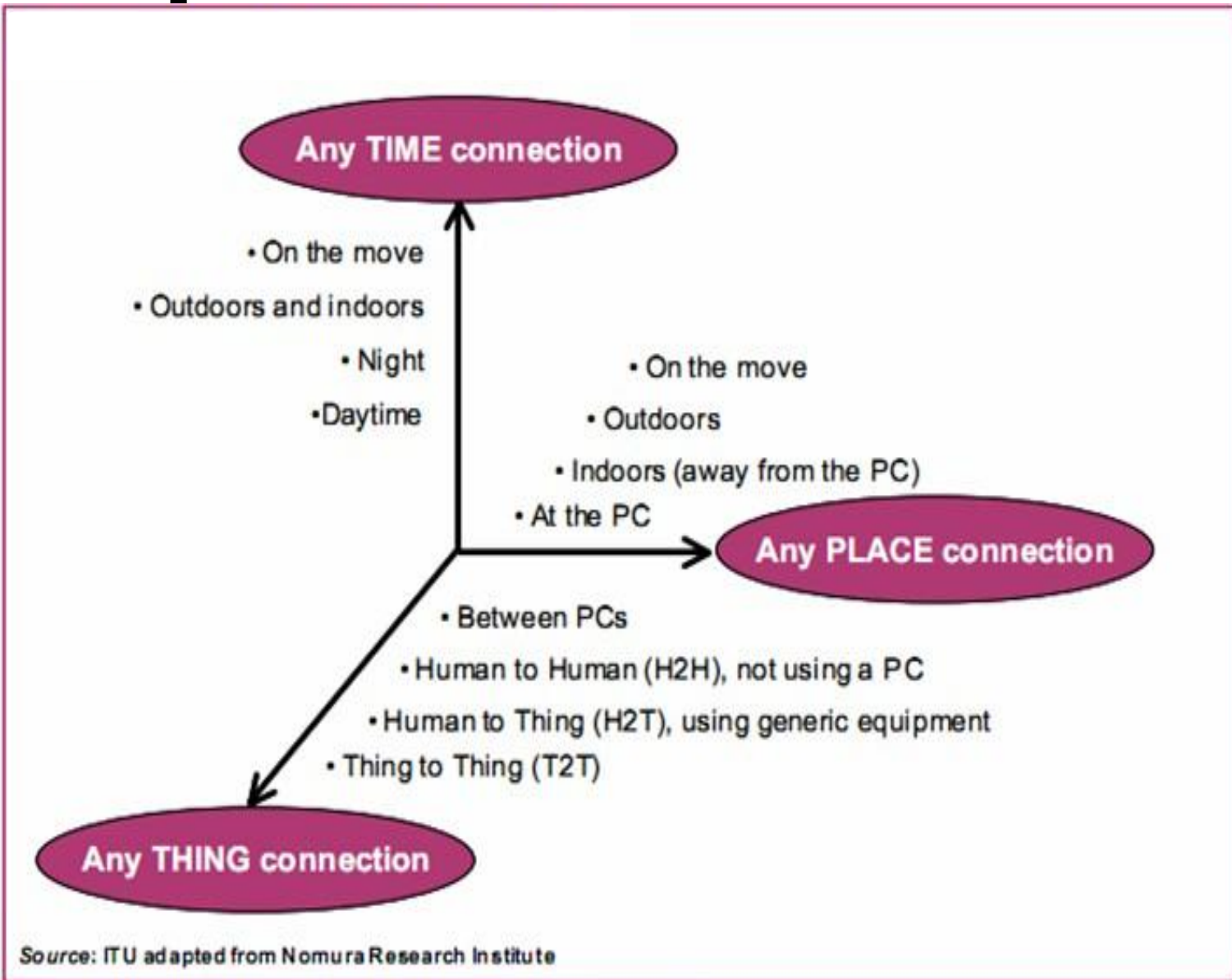
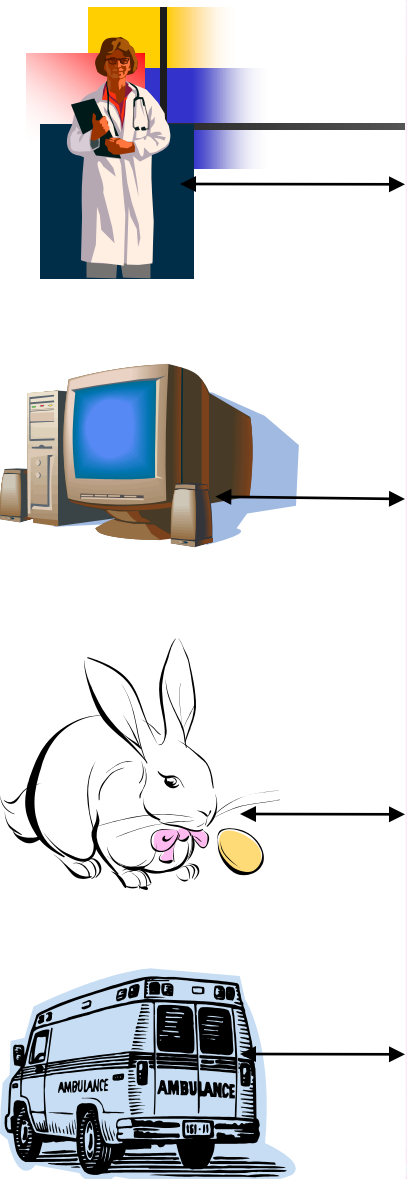


Broadband IP Network



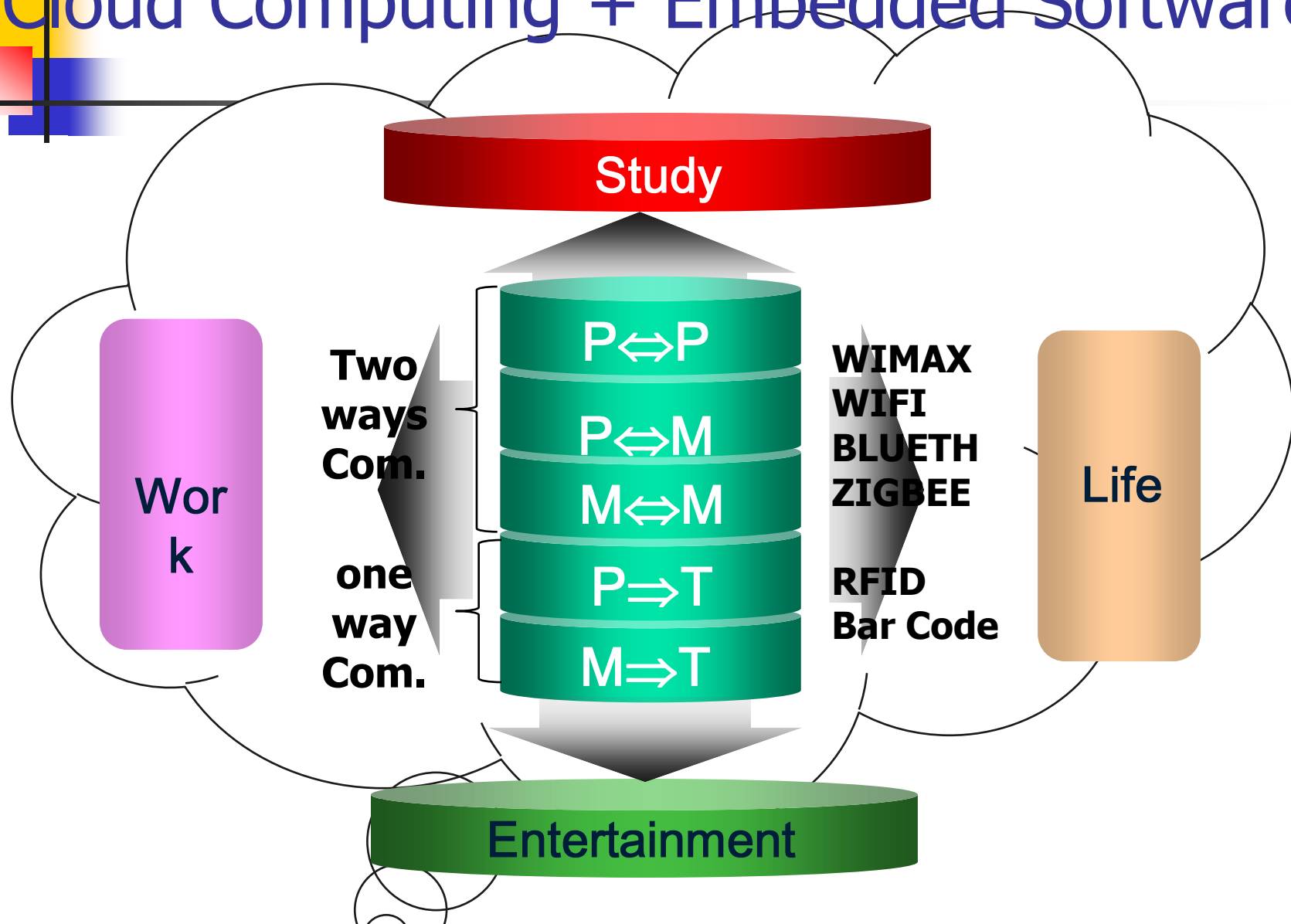


Ubiquitous Network





Smart Ubiquitous Net = Ubiquitous Net + Cloud Computing + Embedded Software

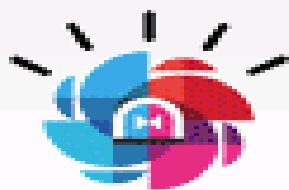




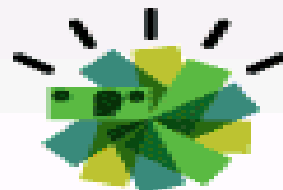
Smart Planet and Our Life



Healthcare



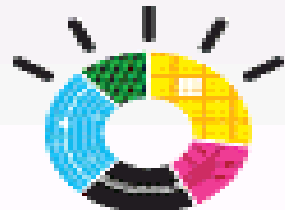
Public safety



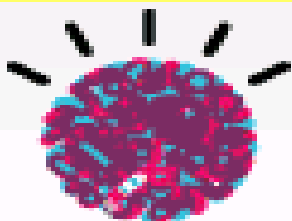
Banking



Retail



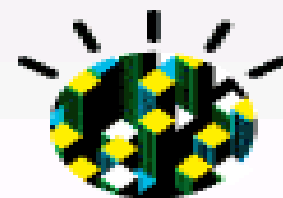
Infrastructure



Traffic



Telecom



Cities



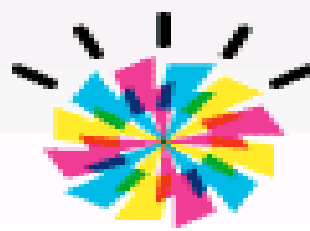
Oil



Water



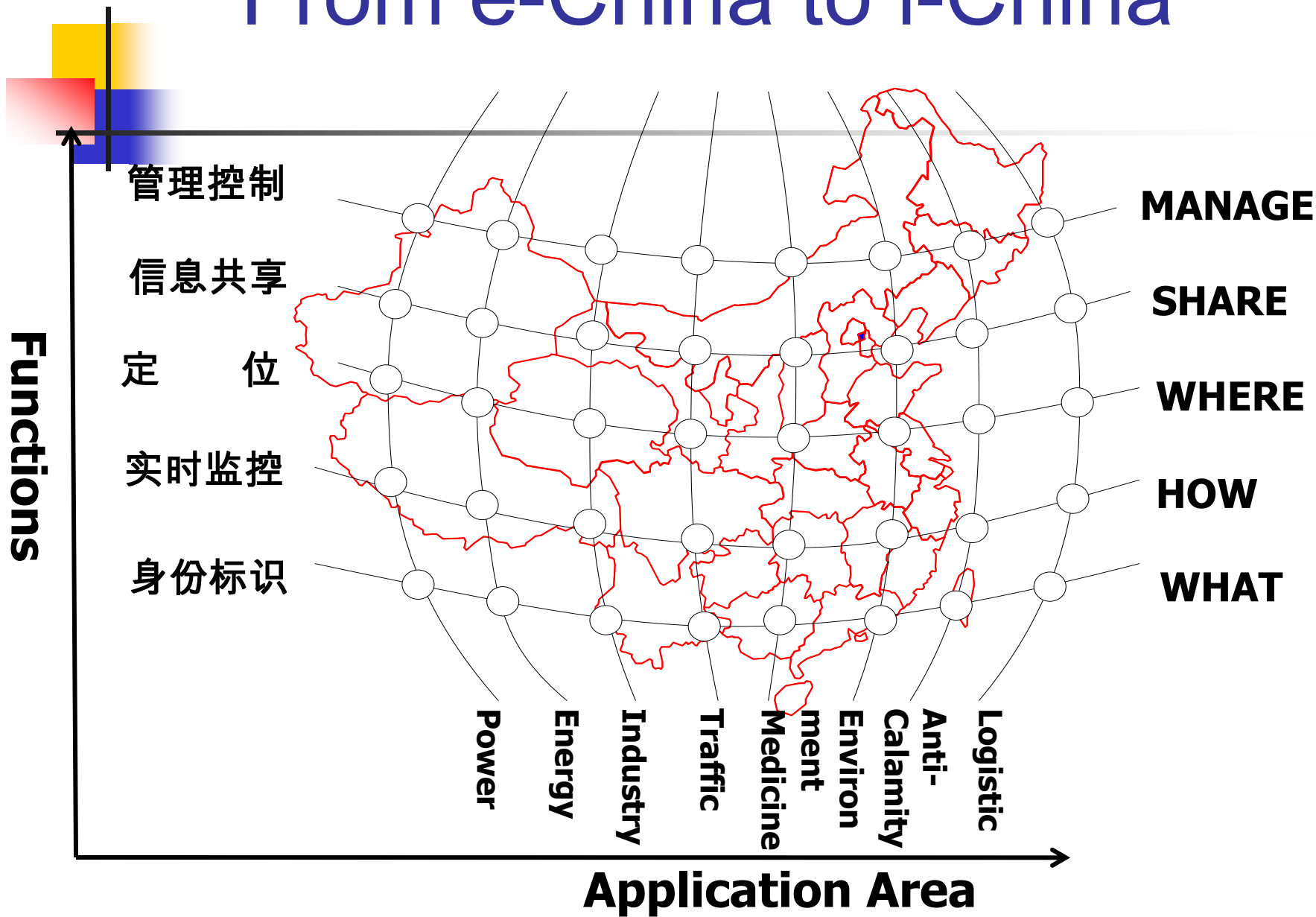
Food



Energy



From e-China to i-China





Applications of RFID

Animal ID 动物标识

Marathon Personal ID 马拉松个人标识

Automotive

Re-usable assets tagging

自动可再用
资产标签

Video Rental Libraries 视频租用库

Car parking 停车场

Supply chain management 供应链管理

Pallet tagging 货盘标签

Box / case tagging 箱子 / 容器标签

Airline baggage Store Operations 航空行李管理

Item tagging 项目标签

White goods / Fashion 白色家电 / 时装

Health Beauty 健康美容

Tobacco 烟草

Postal services 邮政服务

食品 Food

Demand 需求



标签价格

Tag Price

产量

Production Volumes

标签价格

< €0,5

< €0,2

< €0,05

€0,01



导电油墨印刷
可以使天线制
造成本降低



芯片技术
不断进步

2001

2002

2003

2004

2005

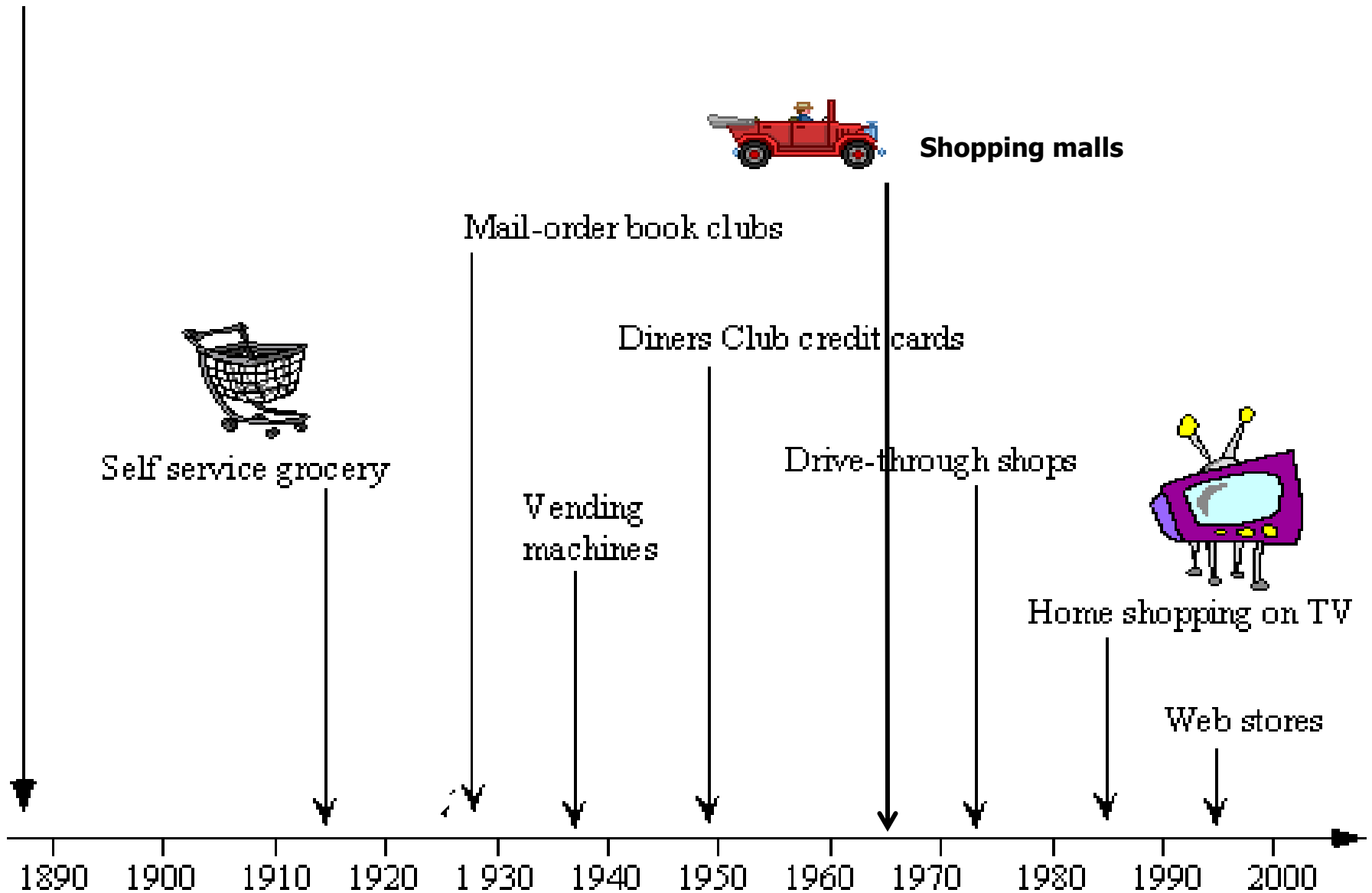
2006

2007

2008

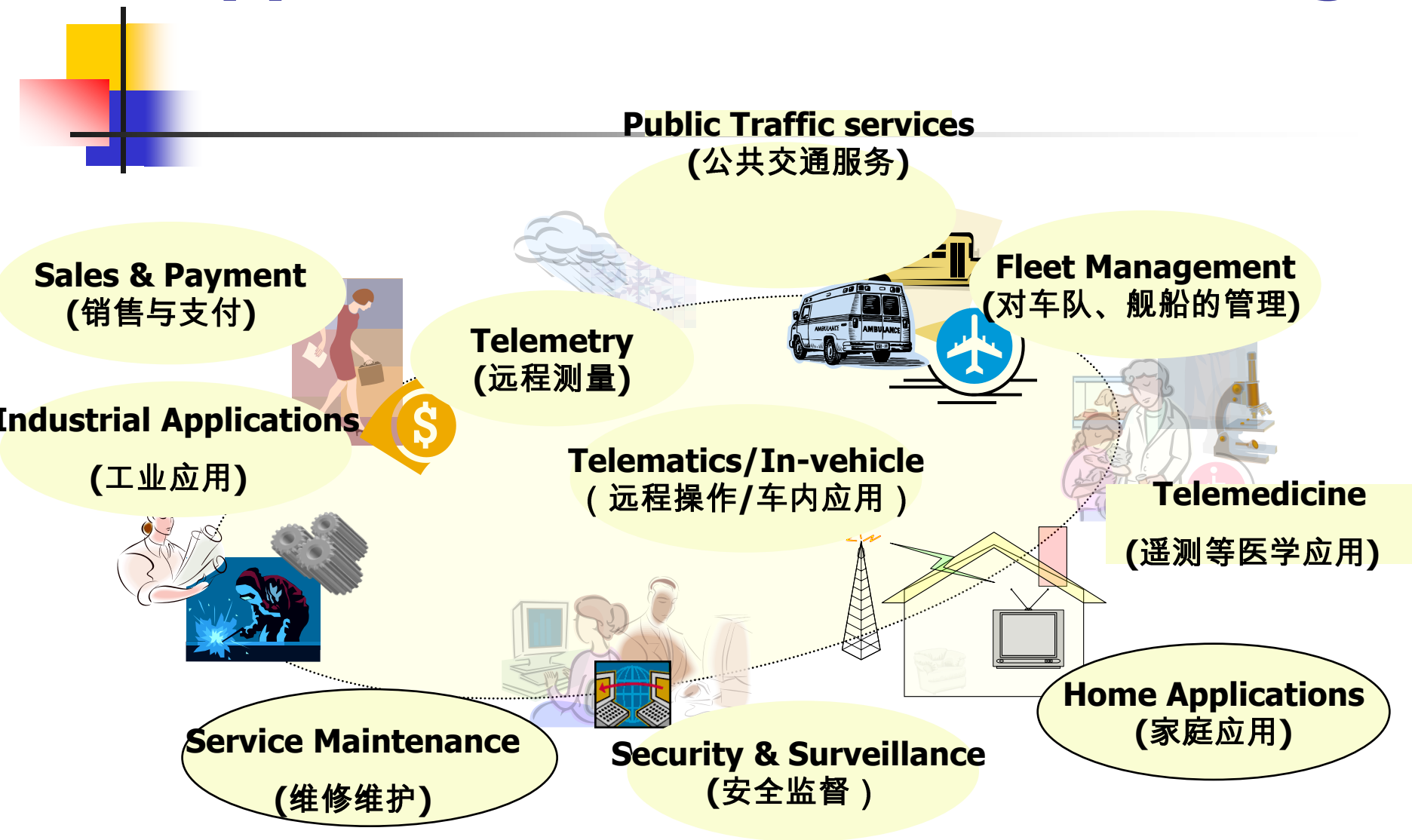
Technology Driven of Market

Catalog shopping by mail





10 Applications of Internet of Things





Mobile Wallet & Mobile Banking

RFID Card



NFC Appl.



Services



Mobile Phone



- ✓ Mobile Web
- ✓ Push E-mail
- ✓ MM(App Store)
- ✓ Camera
- ✓ Music
- ✓ Auction

Certificate



Credit card



Keys



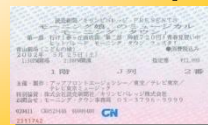
Tickets



Advertiser



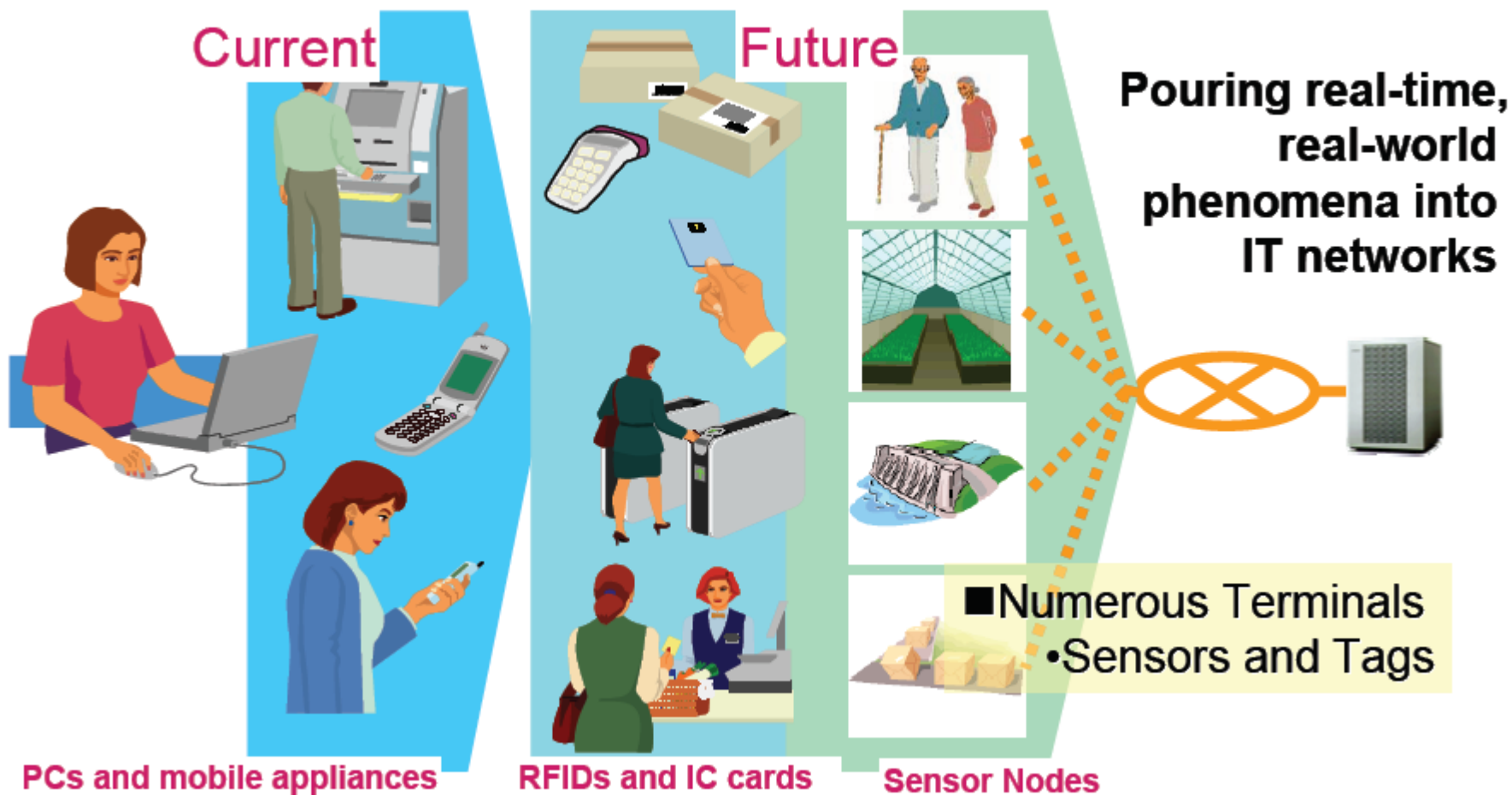
Receipt





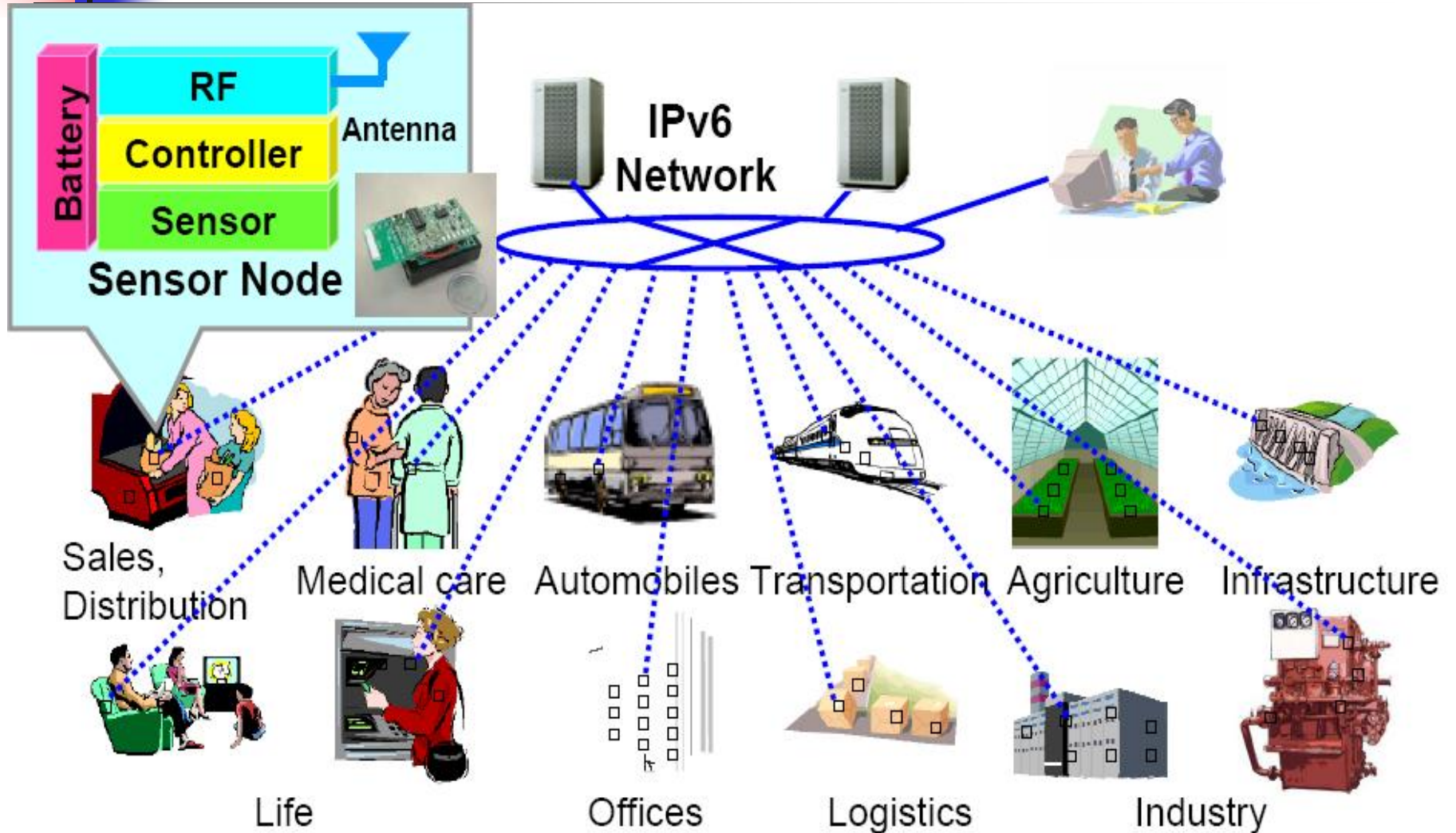
M2M / Inter-Censor-Net

based on IPv6 platform





M2M becomes Part of Infrastructure



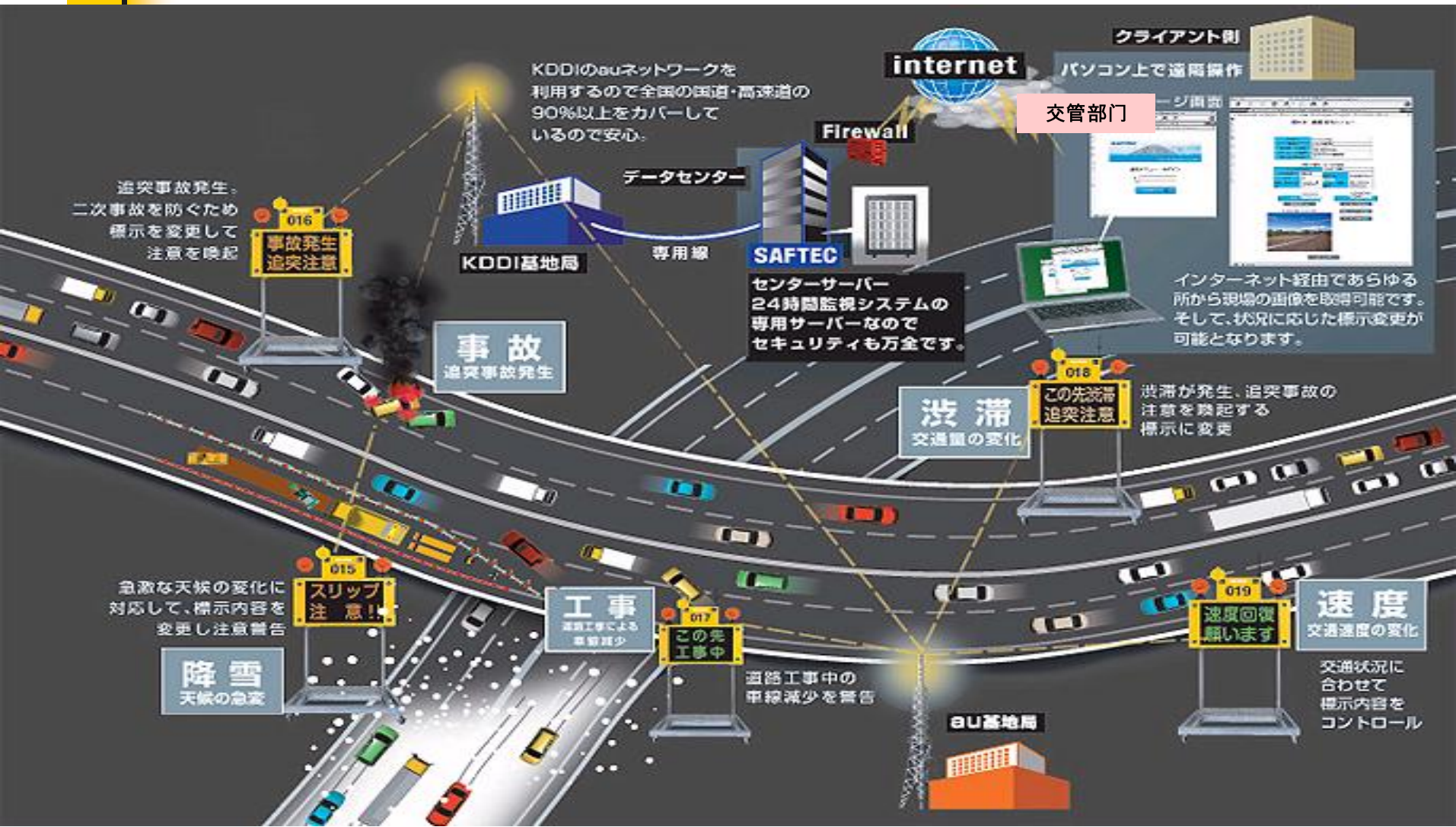


Future Mobile Terminal





Smart Traffic Application





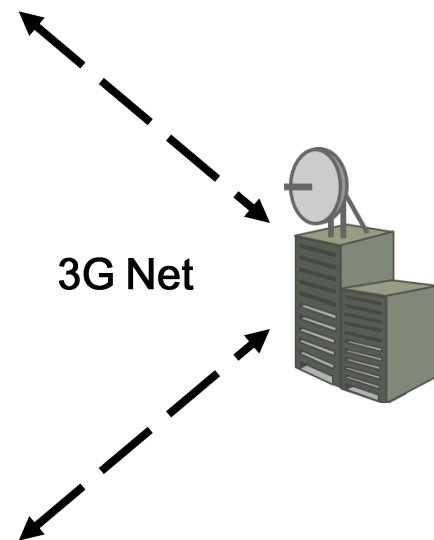
Mobile-GPS Service

G-BOOK mX
Drive On Demand

世界初の地図更新サービス「マップオンデマンド」、快適なドライブを実現する「プローブコミュニケーション交通情報」などを提供する最先端の総合テレマティクスサービス「G-BOOK mX」登場。

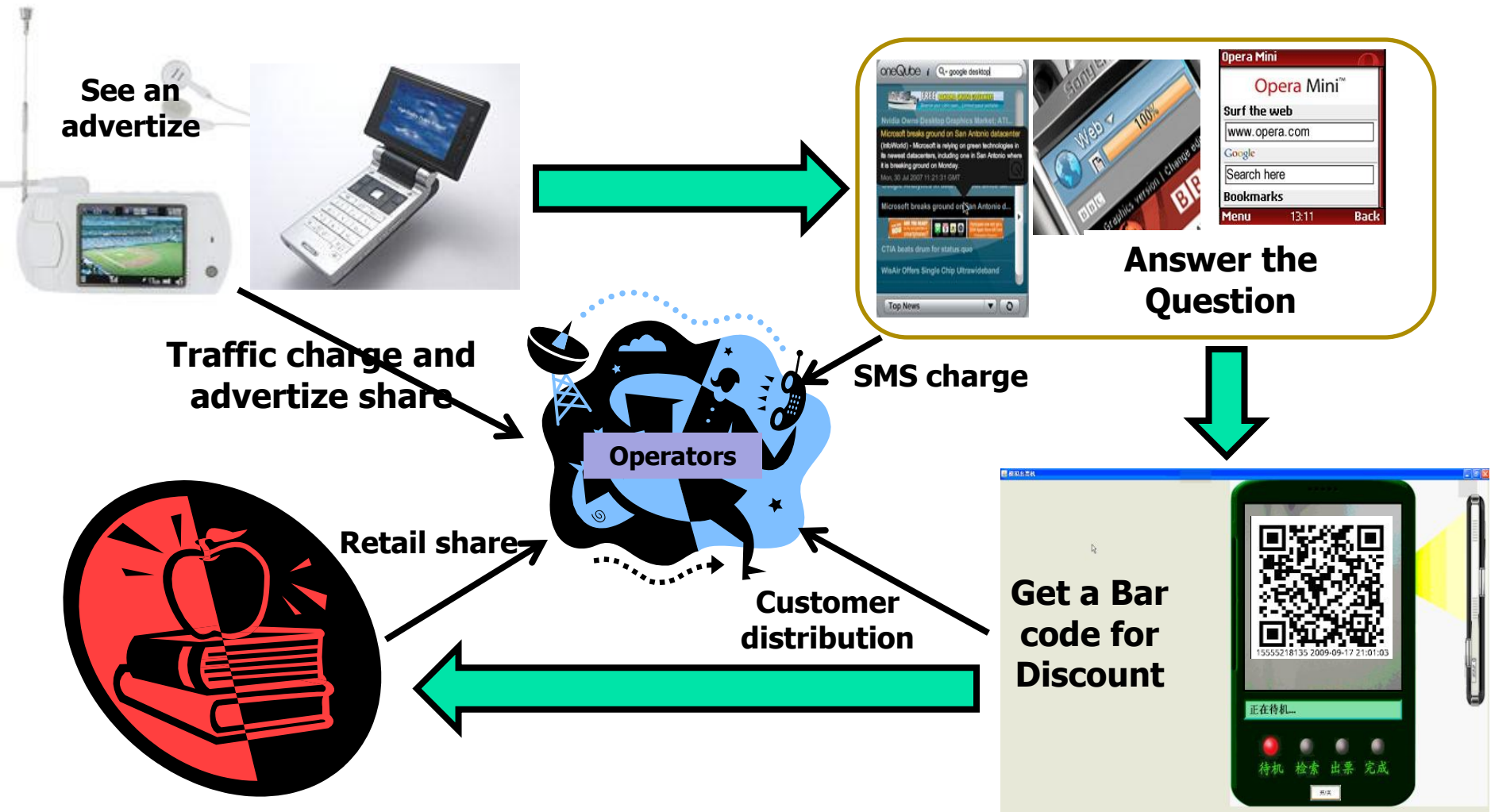


詳しくはこちら+



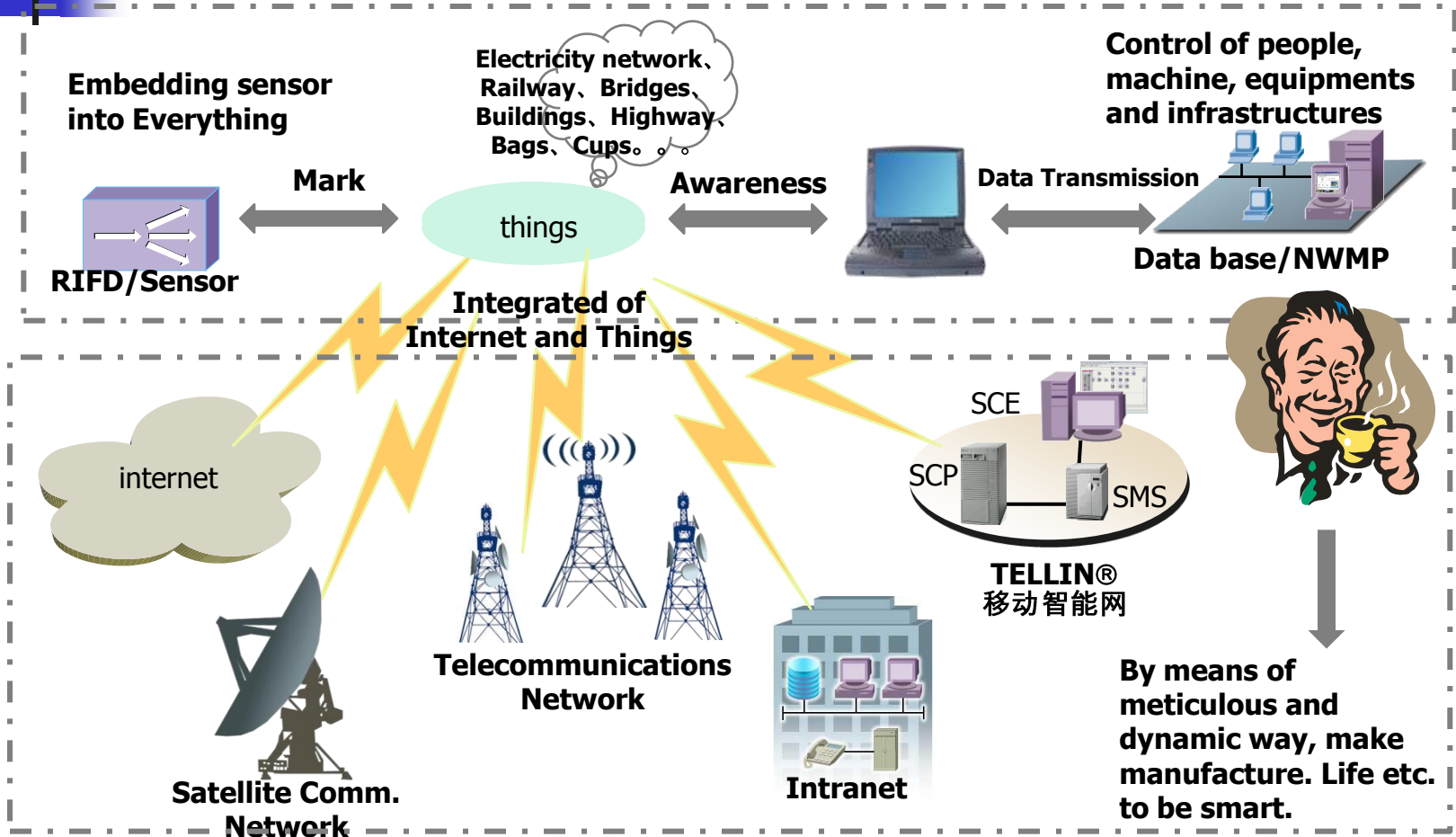


Case of Mobile Commerce





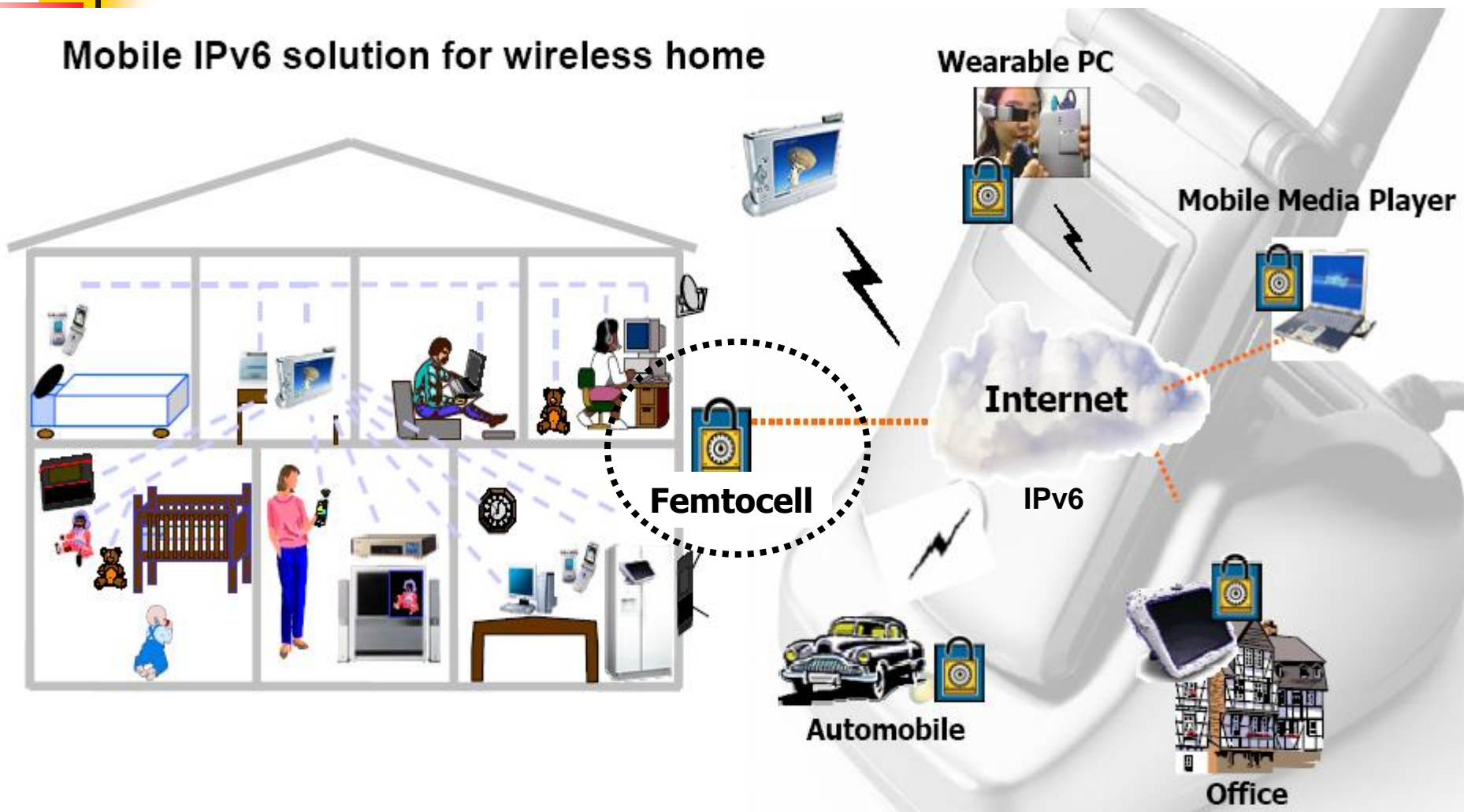
Future Applications

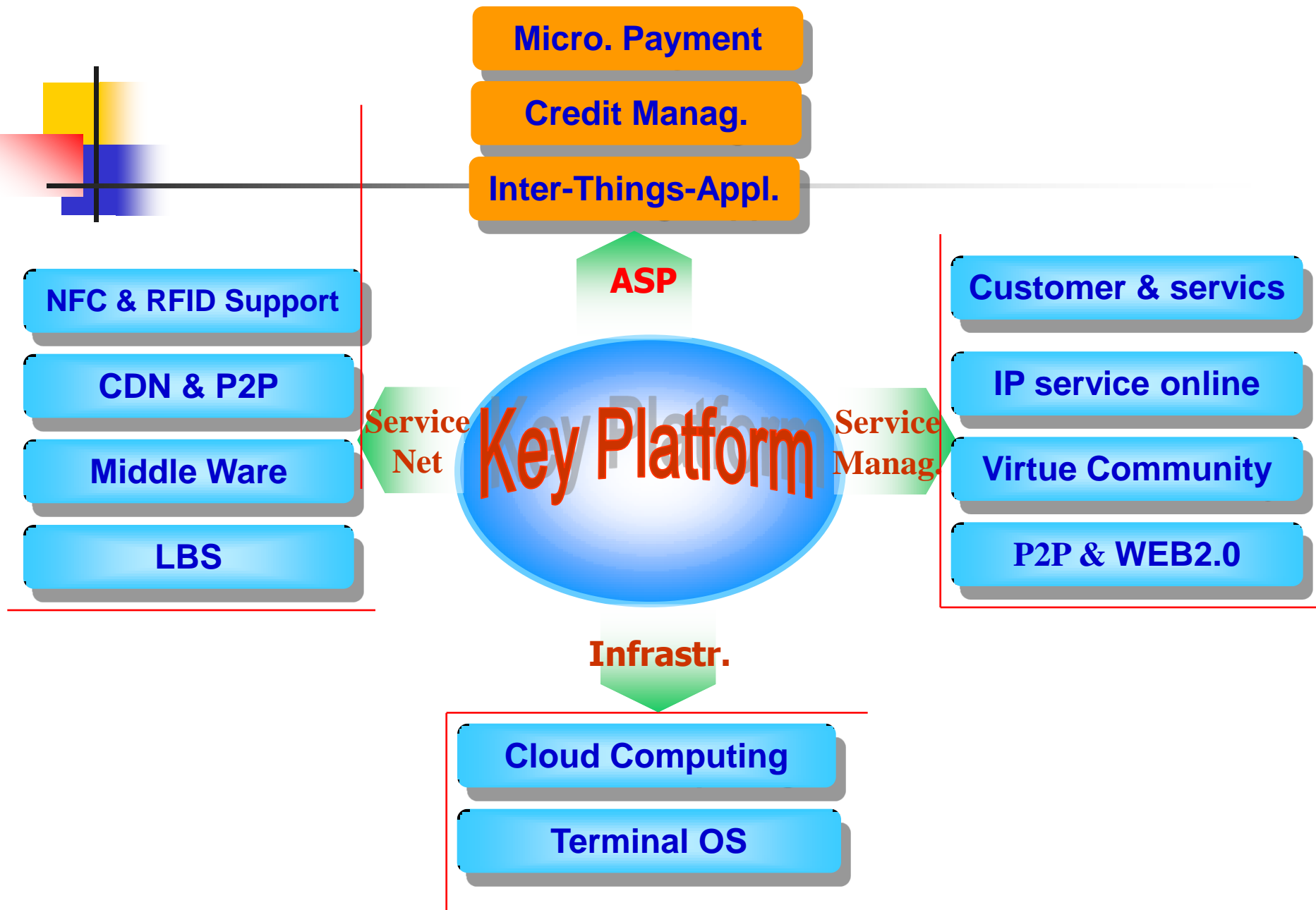




IPv6 based U-Home

Mobile IPv6 solution for wireless home





Micro. Payment

Credit Manag.

Inter-Things-Appl.

ASP

Key Platform

Service Net

Service Manag.

Infrastr.

NFC & RFID Support

CDN & P2P

Middle Ware

LBS

Customer & services

IP service online

Virtue Community

P2P & WEB2.0

Cloud Computing

Terminal OS

Q & A

Thank You!

