Car in the Home ecosystem

Supplying value.

SIEMENS VDO
Automotive

GPS

Internet

E-mail

NEWS
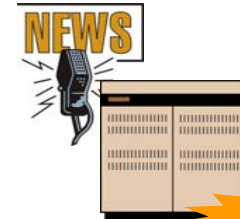
Services
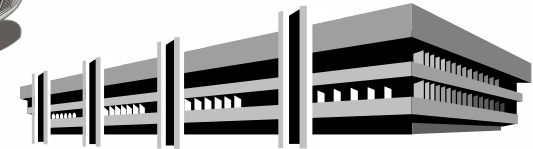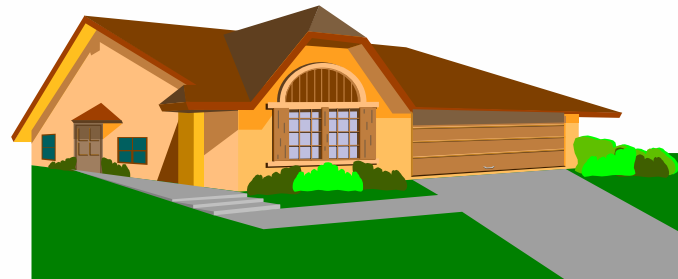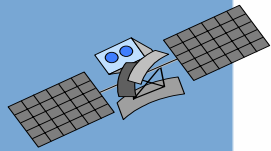
Satellite- Broadcast
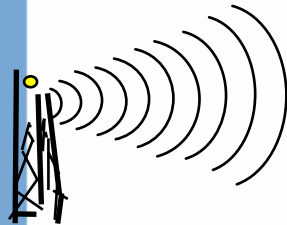
Terrestrial Broadcast

Office

Home
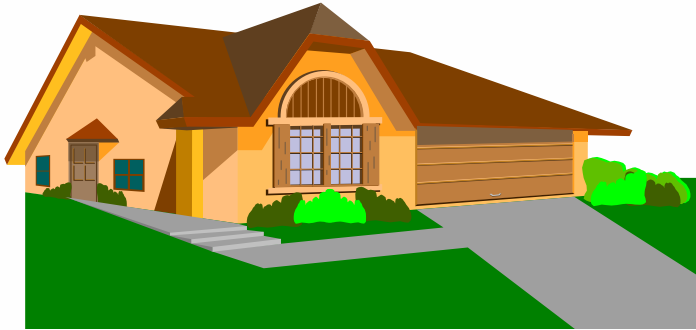
Personal content

Gift for purchase

GPRS

Intrusion

Intrusion

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Driver 1   **Driver 2**   ...   **Driver 3**

Driver

Car 1   **Car N**

Infotainement
Solutions

APR - 05

Infotainement
Solutions
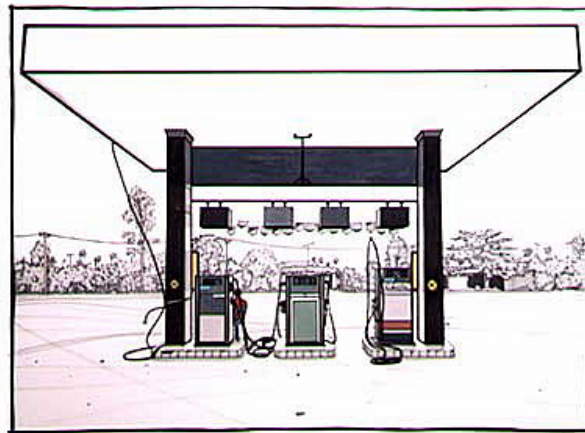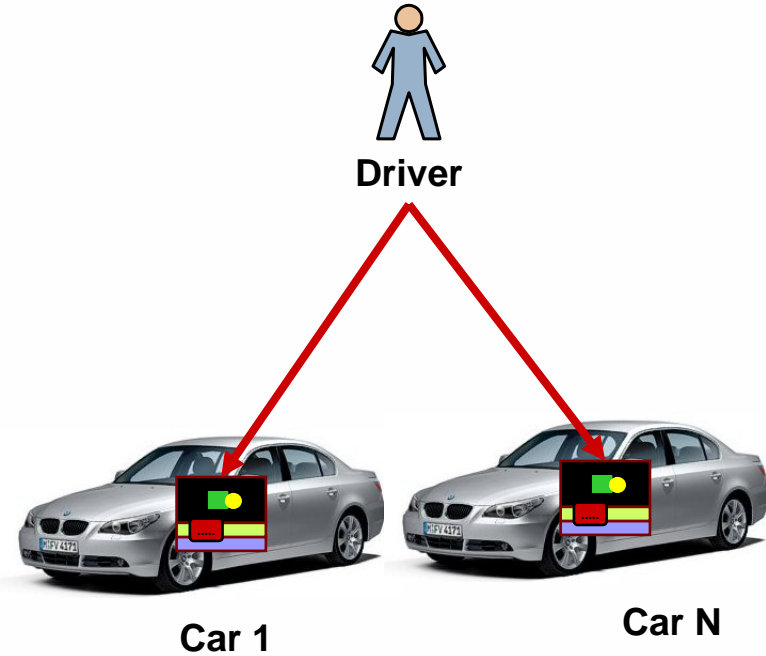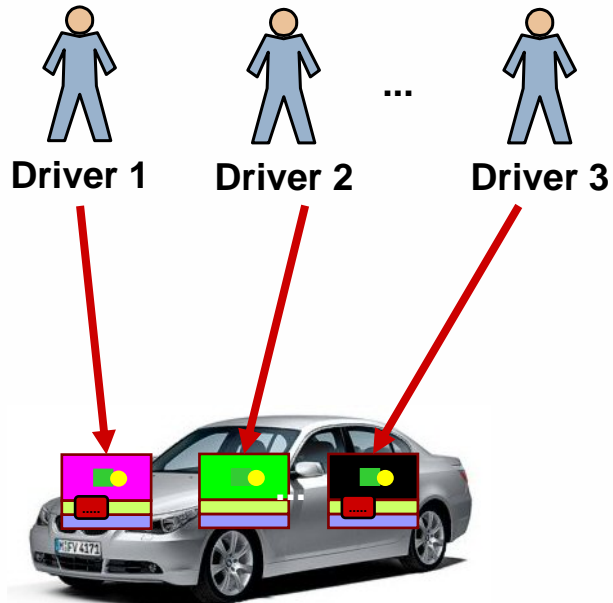
- Long range wireless connectivity
- Short range wireless connectivity
- Content synchronization
- Application migration
- Interoperability
- Seamless integration of systems

APR - 05

- **OSGi / Java**
  - ◆ Scalable
  - ◆ Secure
  - ◆ Platform remotely controlled
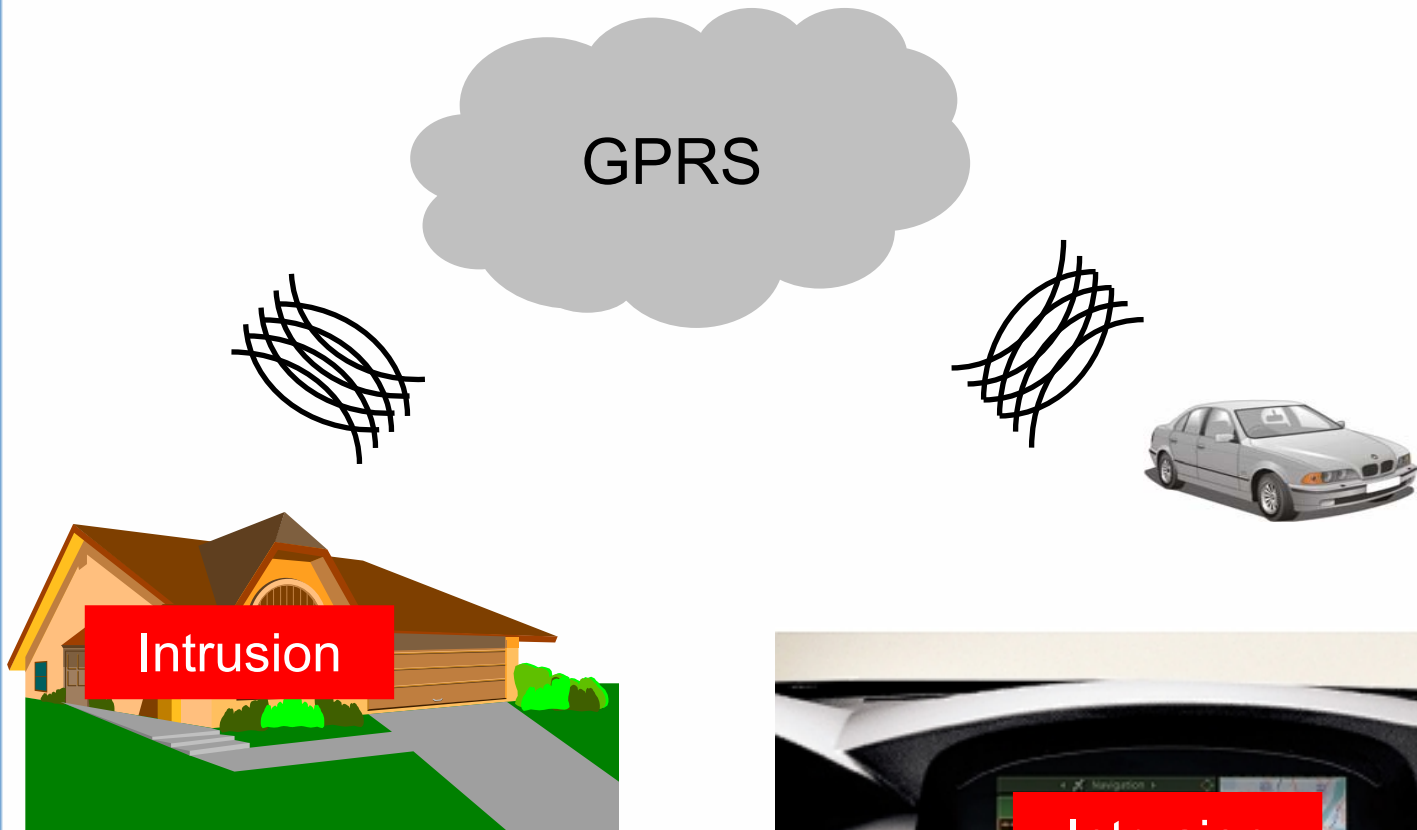 - ◆ Adopted by home gateways, vehicle systems and soon mobile phones
- **RFID / NFC**
- **GPRS / UMTS**
- **Wifi**
- **Bluetooth**
- **Zigbee**

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- Standard Execution Environment
- HMI Integration
- Single authentication
- Security aspects
- Payment & Billing
- Integration of new standards
- Interoperability of heterogeneous systems
- Too many concurrent "standards"

- **Standard Execution Environment**
  - ◆ based on Java
  - ◆ based on OSGi Service Platform Specification

- **HMI Integration**
  - ◆ Description of HMI using meta-language

- **Single Authentication**
  - ◆ Mobile (SIM Card) can be used
  - ◆ coupled with RFID

- **Security Aspects**
  - ◆ Must adopt single authentication

- **Payment & Billing**
  - ◆ All services on the same bill

- **Integration of new standards**
  - ◆ Device must be remotely upgradeable

- **Interoperability of heterogeneous systems**
  - ◆ Certification process from autonomous organism like ETSI

- **Too many concurrent "standards"**
  - ◆ Promote a set of standards in a given context

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