



**Everything is interconnected—cars and devices, people and buildings, different areas.**

## Cloud Computing

- Sensing actuation technologies
- Big data processing technologies
- Mass-storage high-speed servers

### On the street

**Social systems**  
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**Mobile systems**

**Signage/navigation**  
Digital signage everywhere with the exact information (navigation, etc.) required for the particular situation displayed in real time and also transferred to personal devices. Evacuation guidance displayed in times of emergency.



### At home

**Home networks**  
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**Sensors**

**Housework support/smart houses**  
Multiple menu suggestions provided based on refrigerator contents, coordination with microwave for automatic adjustment of cooking time, etc. In addition to cleaning robots, laundry robots divide clothing up, automating laundry detergent input and menu selection. Household robots help with child-raising, look after pets and water the plants. Combining solar power, batteries and electric cars, etc., not only save energy in daily life but also secure power in times of emergency.



### In society

**Social systems**  
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**Sensors**

**Safety and Security**  
The development of information networks that gather, manage and provide information safely and securely boosts the quality of public services such as local security, disaster measures and medical support. Everything—different areas, people and buildings, and cars and devices, etc.—is connected.



### In the car

**Traffic systems**  
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**Social systems**

**Means of transport (automated vehicle operation)**  
Automated vehicle operation systems enabling people to get across town simply by inputting their destination. The integration of cloud computing and big data analysis makes navigation far more time-effective, with the vehicle selecting the optimal route and stopping order.

