Data Driven Society Visualization

Cyberspace

Sensing, digitalization, conversion and extraction of data

Accumulation of data

Big Data

Data analytics

Control based on results of analysis

Utilization services

Health industry

Smart factory

EMS

Autonomous car

Feeding back to real world

Various things and people

IoT

Real world data transmission

Physical space

Increase of medical expenses

Manpower shortage

Natural resources shortage

Increase of care giving burden

Social issues

Solving social issues

PTC’20

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“Local 5G”

- **Operators**: Various players such as local enterprises or governments
- **Purpose**: To meet individual needs of regions and industries
- **Networks**: Can be built flexibly within a building or on-site

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**more flexible deployment and usage**

- General Constructor
  - Remote Control

- Factory Operator
  - Smart Factory

**more secure industry secret**

- Construction sites
- Smart Factory
- River Supervision
- Smart Agriculture
- Agriculture

**more resilient for communication failure and disasters**

- Disasters
- Sensors, 4K/8K Cameras
- Infrastructure Monitoring
- Disaster prevention

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