Data Driven Society Visualization

Cyberspace

Data analytics

A I

Real world data transmission

Accumulation of data

Big Data

Control based on results of analysis

Sensing, digitalization, conversion and extraction of data

Utilization services

Health industry   Smart factory   EMS   Autonomous car

Physical space

Feeding back to real world

IoT

Social issues

Increase of medical expenses
Increase of care giving burden
Manpower shortage
Natural resources shortage

Various things and people

Solving social issues

@PTCouncil #PTC20

PTC'20 | VISION 2020 AND BEYOND
19-22 JANUARY 2020 | HONOLULU, HAWAII
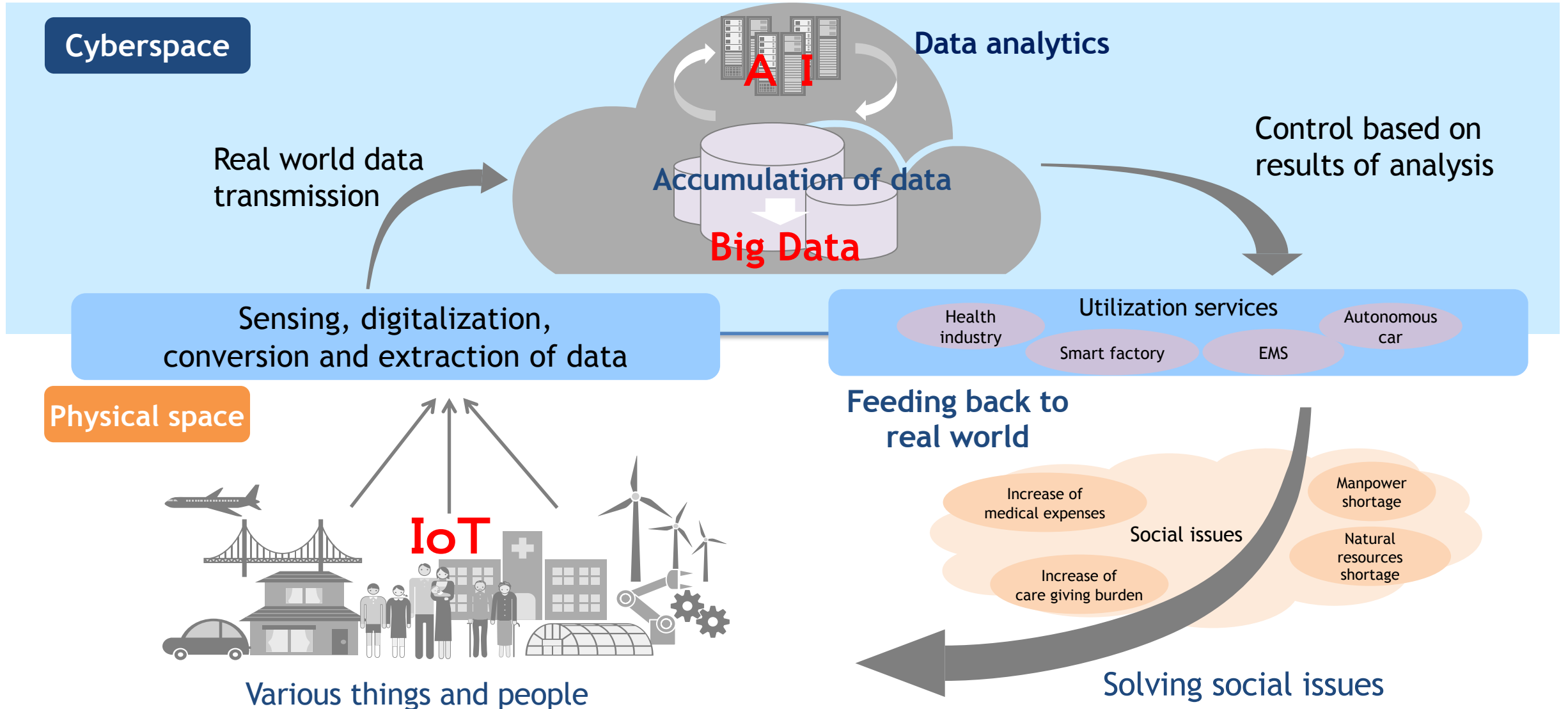
"Local 5G"

- 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

| more flexible deployment and usage | more secure industry secret | more resilient for communication failure and disasters |

General Constructor
Remote Control

Factory Operator
Smart Factory

Construction sites

Remote control

Factories

Infrastructure Monitoring

Smart Factory

River Supervision

Agriculture

Smart Agriculture

Disaster prevention

Agriculture
Smart Agriculture

Local Government
Remote Monitoring

Sensors, 4K/8K Cameras