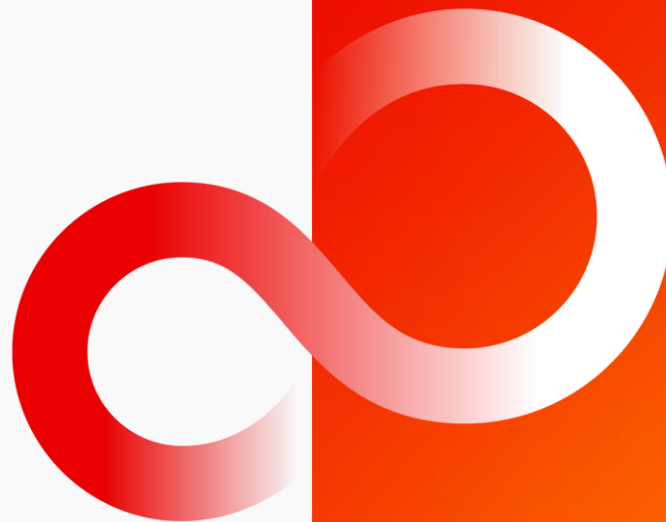


Networks in 2030 - 6G for digital future society

White paper 'Networks in the 6G Era' [download here](#)



2030 Digital Future Society



Make



Live



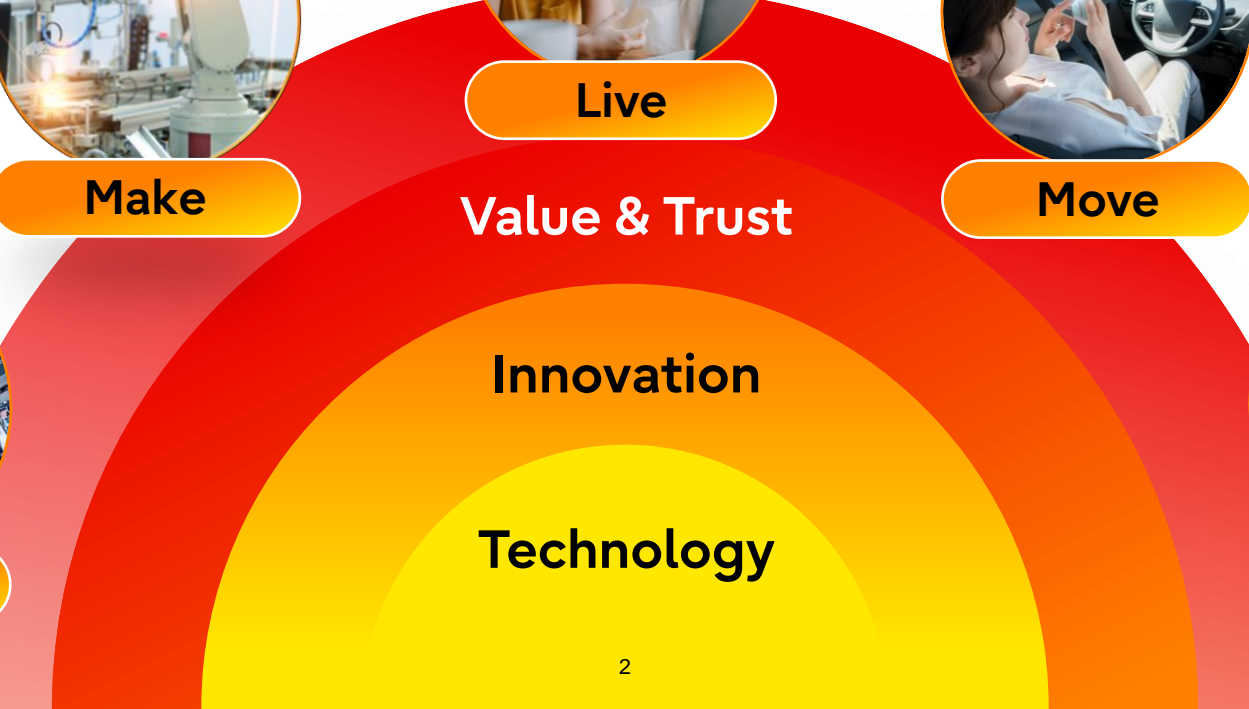
Move



Prepare



Protect



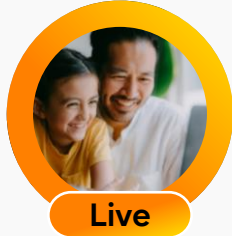
Solutions and network requirements for digital future society



Prepare



Make



Live



Move



Protect

Digital Resilience

Smart Agriculture

Smart City

Autonomous Driving

Smart Grid

Disaster Simulation

Smart Factory

Smart Home

MaaS

Local Production for Local Consumption

Digital Twin

Requirements

High performance

High Reliability

Multi-Connectivity

Flexibility

Low Latency

Energy Efficiency

Technologies

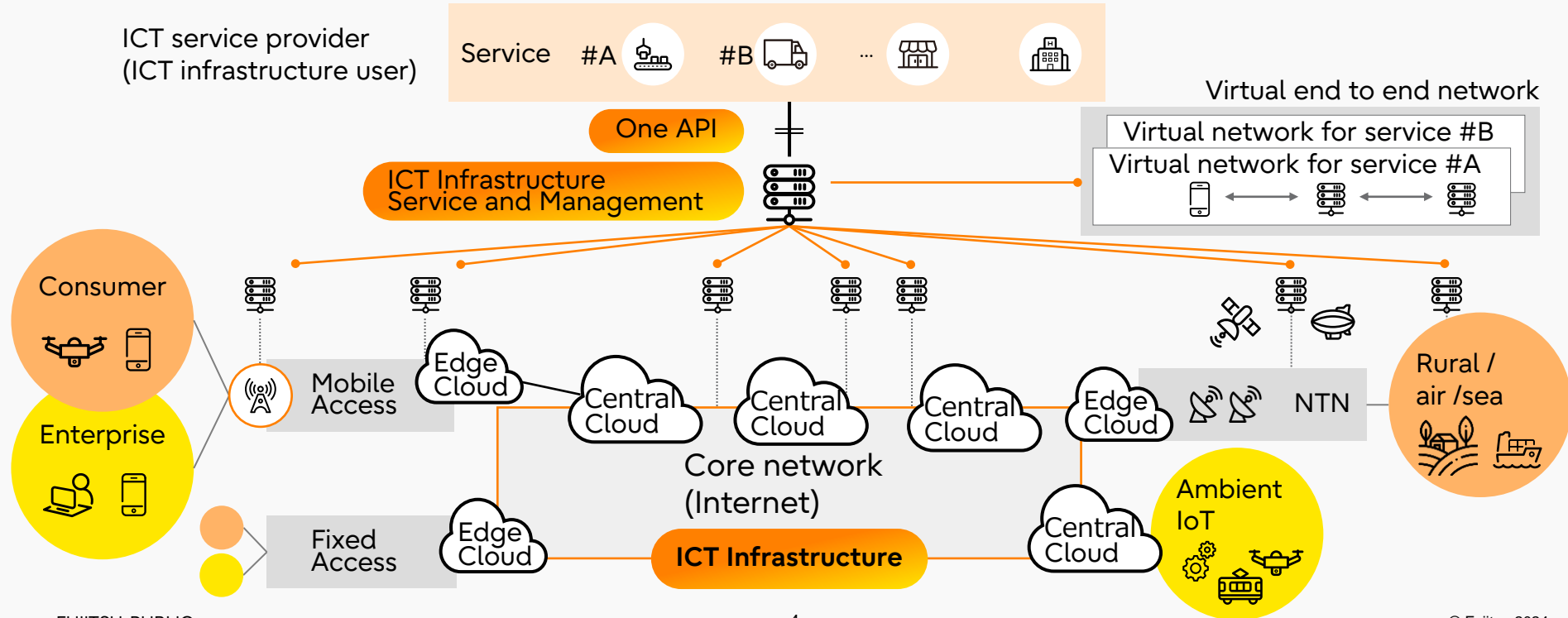
Open & Disaggregation

Intelligent Network

Green Technology

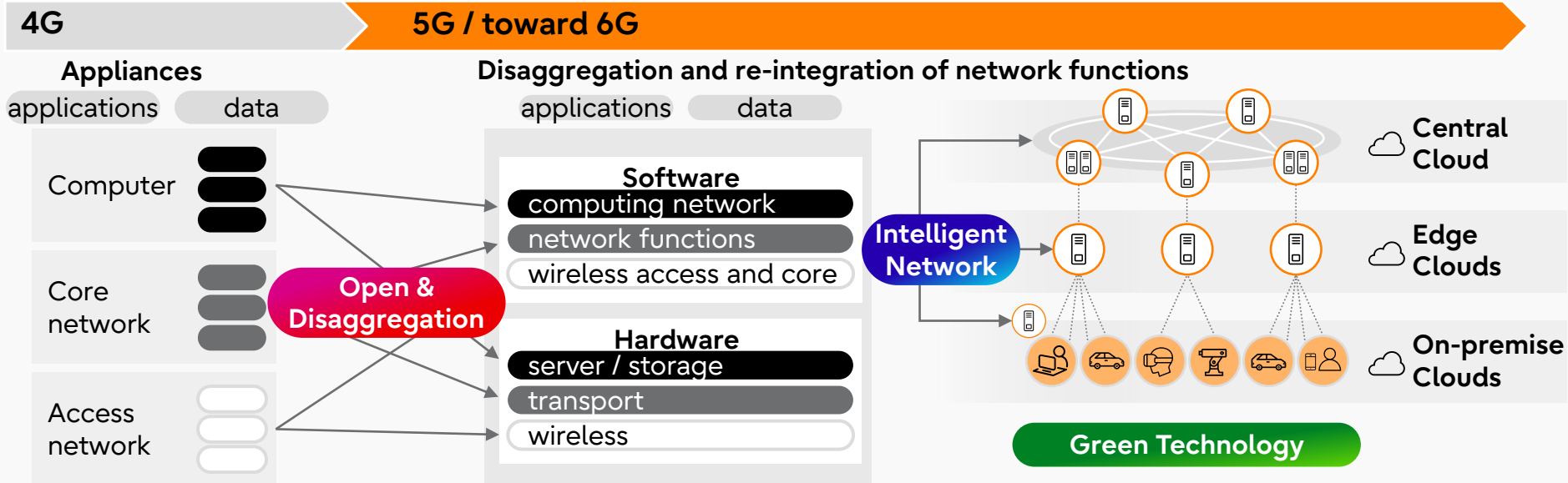
Future ICT infrastructure architecture concept

- End-to-end IT system can be built by ICT users with a single API which integrate high-capacity computer infrastructure and network provided by multiple players



Toward Cloud-Native network

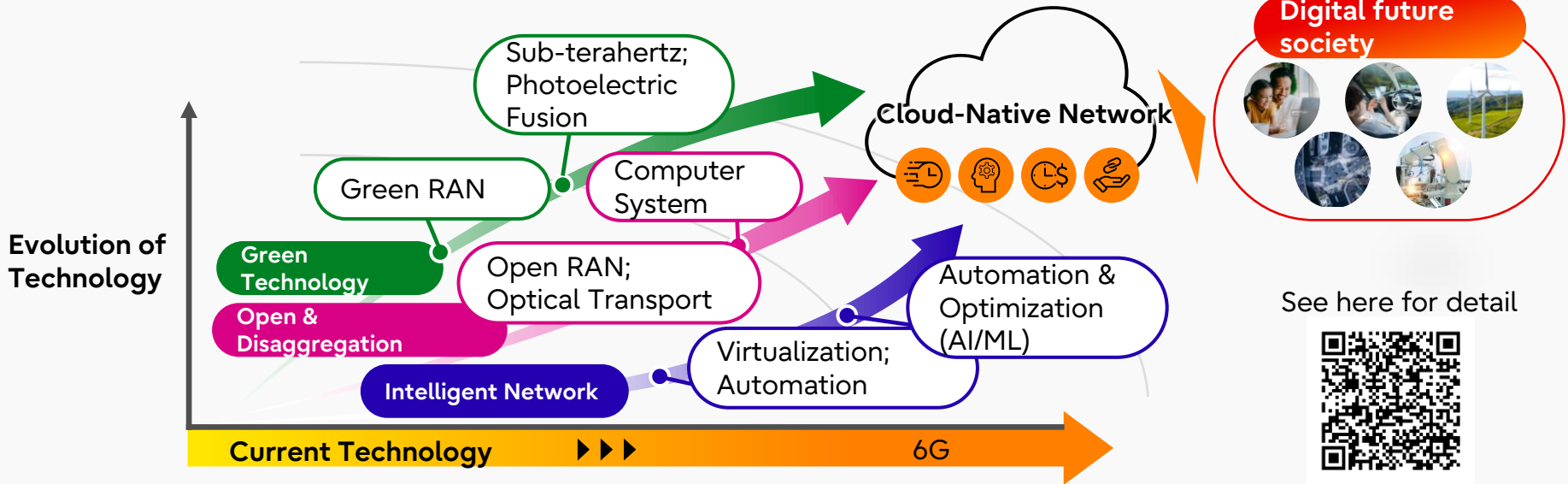
- **Disaggregation** of network functions and optimal provision of end-to-end functionality
- Optimal **network orchestration** aiming to improve quality and reduce costs
- **Green, High-speed and high-capacity network**



Network technology trends

End-to-end fully virtualized cloud-native networks

- Green Technology** Sub-terahertz, Photoelectric Fusion, Green RAN
- Open & Disaggregation** Open RAN, Optical Transport, Computer System
- Intelligent Network** Network Orchestration, Automation & Optimization, AI/Machine Learning

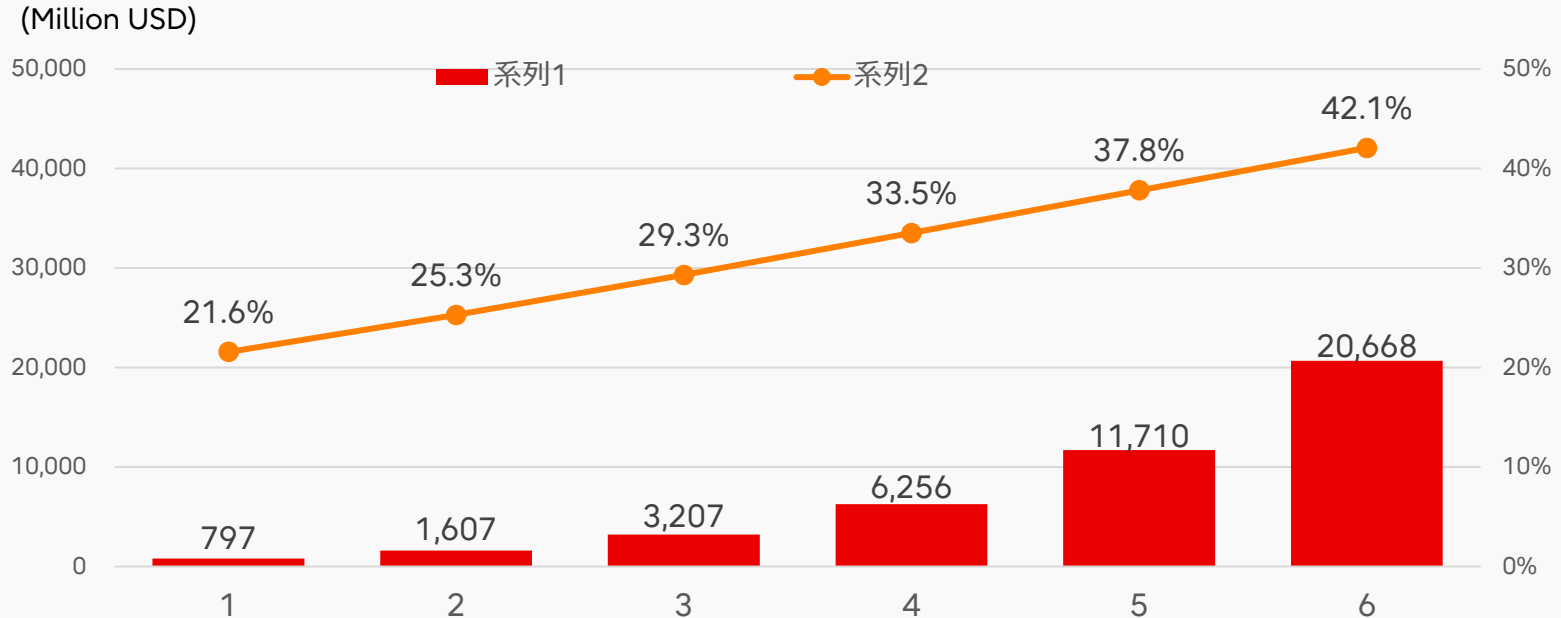


See here for detail



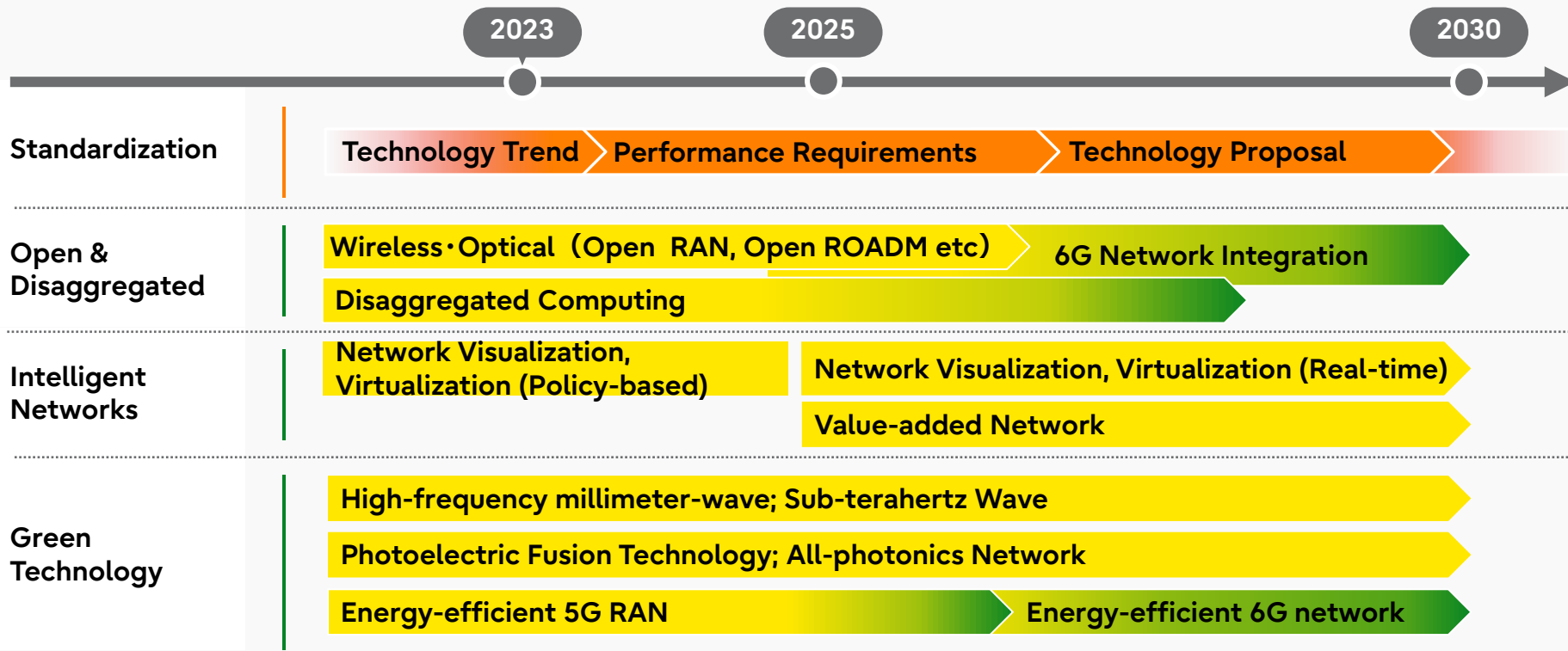
Market Forecast for 6G Infrastructure

- Disaggregated computing will be one of major computing resources for 6G infrastructure. The share of disaggregated computing among 6G infrastructure will increase year by year.
- The market size of disaggregated computing for 6G infrastructure will reach 20 billion in 2035.



(Source) Harbor Research Institute (2023), "6G Market Sizing & Forecast", commission study for Fujitsu

R&D Roadmap



Note: This roadmap is based on Fujitsu's current projections and is subject to change without notice.

Conclusion

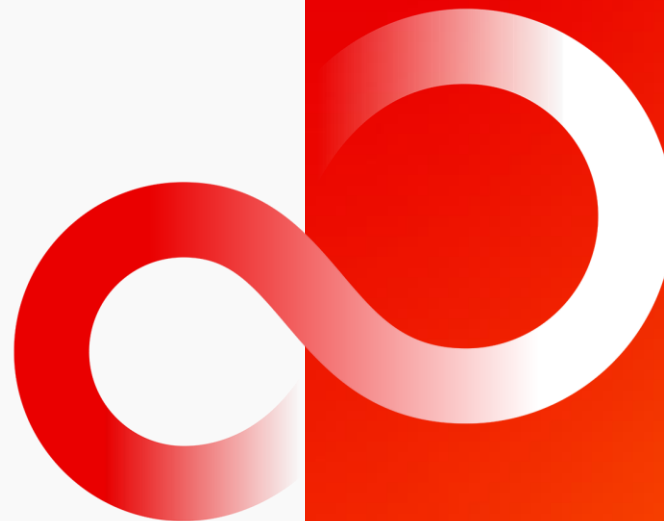
With the uptake of digital technology in industry and society, the shape of future society is growing ever clearer.

Fujitsu will continue to engage in the development of innovative technologies.

These technologies will lead to our customers' business success and realization of the digital future society.



Thank you



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