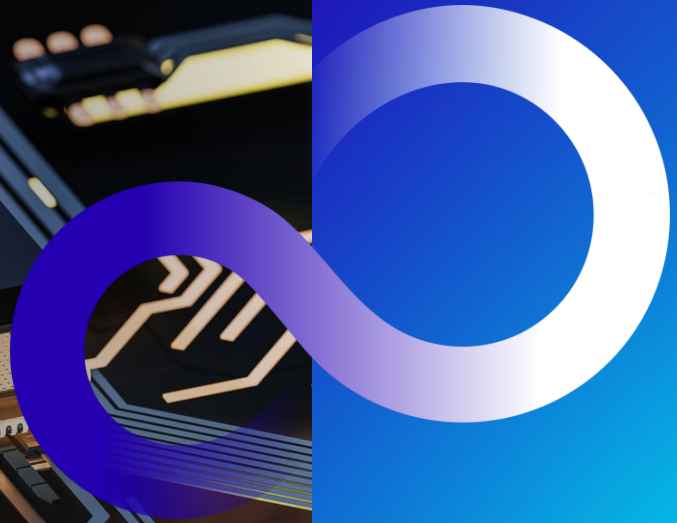


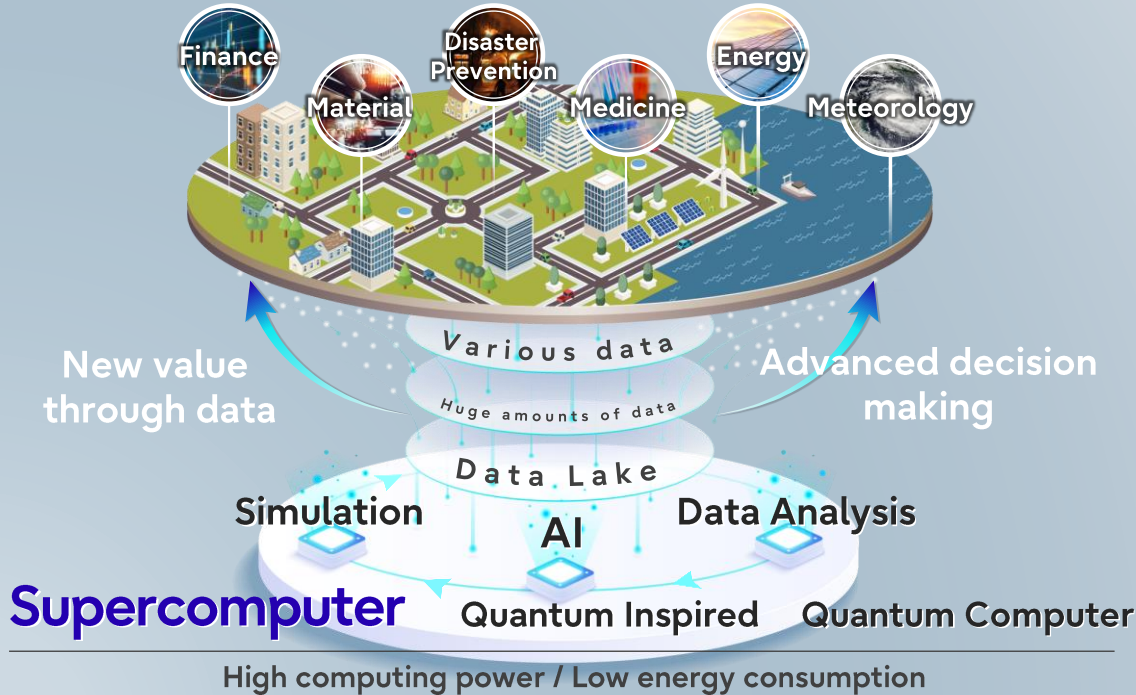
FUJITSU-MONAKA



Fujitsu Technology Vision

Focus on R&D in the 5 key technologies to make the world more sustainable by building trust in society through innovation.

Technologies for Sustainability Transformation



5^{Key} Technology

- Converging Technologies
- Data & Security
- AI
- Network
- Computing

Achievements of the supercomputer Fugaku*

*Powered by A64FX, Fujitsu's world-leading Arm CPU

Disaster Prevention



**Real-Time
Tsunami Prediction**

<https://www.fujitsu.com/global/about/resources/news/press-releases/2021/0216-01.html>

Medicine



**Cancer Gene Network
Analysis
in Less than a Day**

<https://www.fujitsu.com/global/about/resources/news/press-releases/2020/1110-01.html>

Meteorology



**Largest Ever
Meteorological
Calculation**

**A finalist for
the ACM Gordon Bell Prize
in 2020**

<https://www.fujitsu.com/global/about/resources/news/press-releases/2020/1120-01.html>

COVID-19



**Modeling the Spread of
Droplets and Aerosols**

**A winner for
the ACM Gordon Bell Special Prize
in 2021**

<https://www.r-ccs.riken.jp/en/outreach/topics/20211227-1/>

Fujitsu Computing as a Service

- Make world-leading computing technologies more accessible to customers
- Accelerate co-creation with customers
- Broaden the scope of social issues solved

FUJITSU-MONAKA^(*1)

- A brand-new CPU to be released in 2027
- Provide higher performance w/ lower energy consumption
- Contribute to the realization of a carbon-neutral and sustainable society

(*1) code name (tentative name)

Computing as a Service platform

Provide the world-leading computing technologies "as a Service"



Hardware resource

x86

GPU

Accelerators

Memory

Storage





High-Performance

- Not only boosting traditional HPC workloads, but also providing high performance for AI & Data Analytical workloads



Energy Efficient

- Providing overwhelming energy efficiency compared to CPUs release by 2027 from competitors

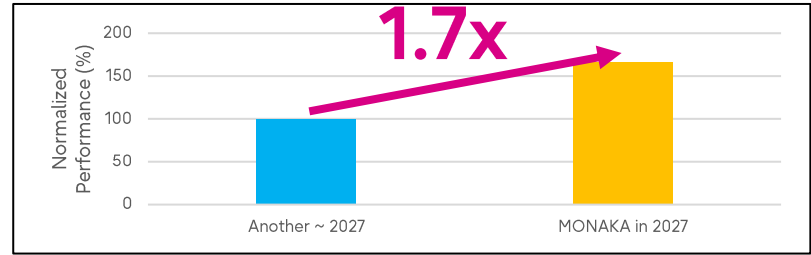


Easy to Use

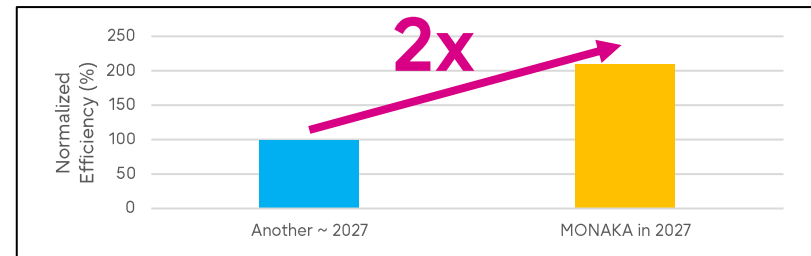
- Supporting open & de-facto standard software stacks
- Designed throughout service-software-hardware



Application Performance



Performance per Watt



The development of FUJITSU-MONAKA is under NEDO program^(*1).

NEDO aims energy savings of 40% or more in datacenters by 2030 to realize a carbon-neutral society.

Fujitsu will contribute to the project by developing an energy-efficient CPU, FUJITSU-MONAKA.



Refine Fujitsu's proven leading-edge microarchitecture.



Cooperate with other technologies such as low-power consumption accelerator, photoelectric fusion device, wideband SSD, photonics smart NIC and disaggregation.

(details on Fujitsu press release, <https://www.fujitsu.com/global/about/resources/news/press-releases/2022/0225-01.html>)



(*1) NEDO program

"Technology Development of the Next Generation Green Data Center" for the "Green Innovation Fund Project/Construction of Next Generation Digital Infrastructure"

- NEDO is "New Energy and Industrial Technology Development Organization", a national research and development agency in Japan.
- Fujitsu has been selected for the national initiative along with NEC Corporation, AIO Core Co., Ltd., KIOXIA Corporation, Fujitsu Optical Components Limited and KYOCERA Corporation.

Fujitsu's challenges for the future

Contribution to the resolution of social issues

Continuous development of next-generation technology



Thank you

