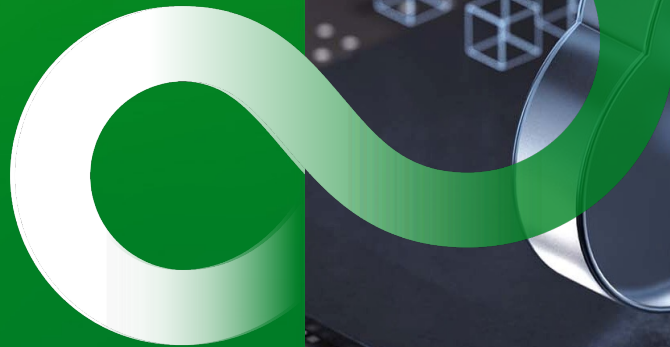


Fujitsu Computing as a Service (CaaS)

FUJITSU LIMITED



Our Purpose

Make the world more
sustainable by building trust
in society through innovation.



Moving forward for a sustainable world

Fujitsu Uvance is the business focus we are bringing to technology and cross-industry functions.

Building new possibilities by connecting people, technology and ideas, creating a more sustainable world where anyone can advance their dreams.



**Sustainable
Manufacturing**



**Consumer
Experience**



**Healthy
Living**



**Trusted
Society**



Digital Shifts



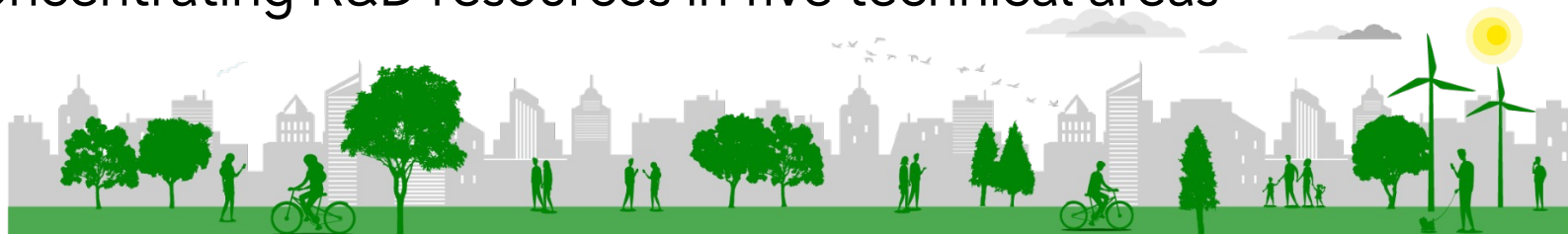
Business Applications



Hybrid IT

Key Technologies that supports Key Focus Areas FUJITSU

- Concentrating R&D resources in five technical areas



Vertical Areas

Sustainable Manufacturing

Circular, traceable manufacturing with consideration to the environment and people

Consumer Experience

Payments, logistics and retail that provide consumers with diverse experiences

Healthy Living

Supporting all kinds of people in living in ways that promote wellbeing

Trusted Society

Creating communities that embody safety, security, and resilience

Horizontal Areas

Digital Shifts

Data driven, Work Style Reform

Business Applications

Cloud Integration, Application

Hybrid IT

Cloud Security

Key Technologies



Computing



Network



AI



Data & Security



Converging Technologies

Fujitsu Computing as a Service Overview

Concept: "Make the advanced computing accessible to everyone"

Application in a wide range of fields



Application in various industry areas



For Material Informatics



For Logistics Optimization



For Drug Discovery

Simulations

AI (training/inference)

optimization



Data e-TRUST

• Secure data sharing



Service integration

• API Integration / Data Integration



HPC

• PRIMEHPC FX1000
• x86, GPU, etc.



Digital Annealer

• Digital Annealer



Cloud partner

• Public cloud
• Supercomputer Center

Technical Consulting Services

- Clarify customer requests
- Create a plan for utilizing computing

Tuning

- Identify bottlenecks
- Tune user programs

Advanced computing technologies that anyone can use easily

CaaS

1

SaaS to transform customer's business operations

- Applications that leverage advanced technologies such as HPC, Digital Annealer and AI
- On-demand services available anytime, at your fingertips

2

Professional services from knowledgeable engineers

- Engineers with deep understanding of advanced computing technology support solving the customer's business problems
- Use case co-creation with startups and other innovative companies on CaaS

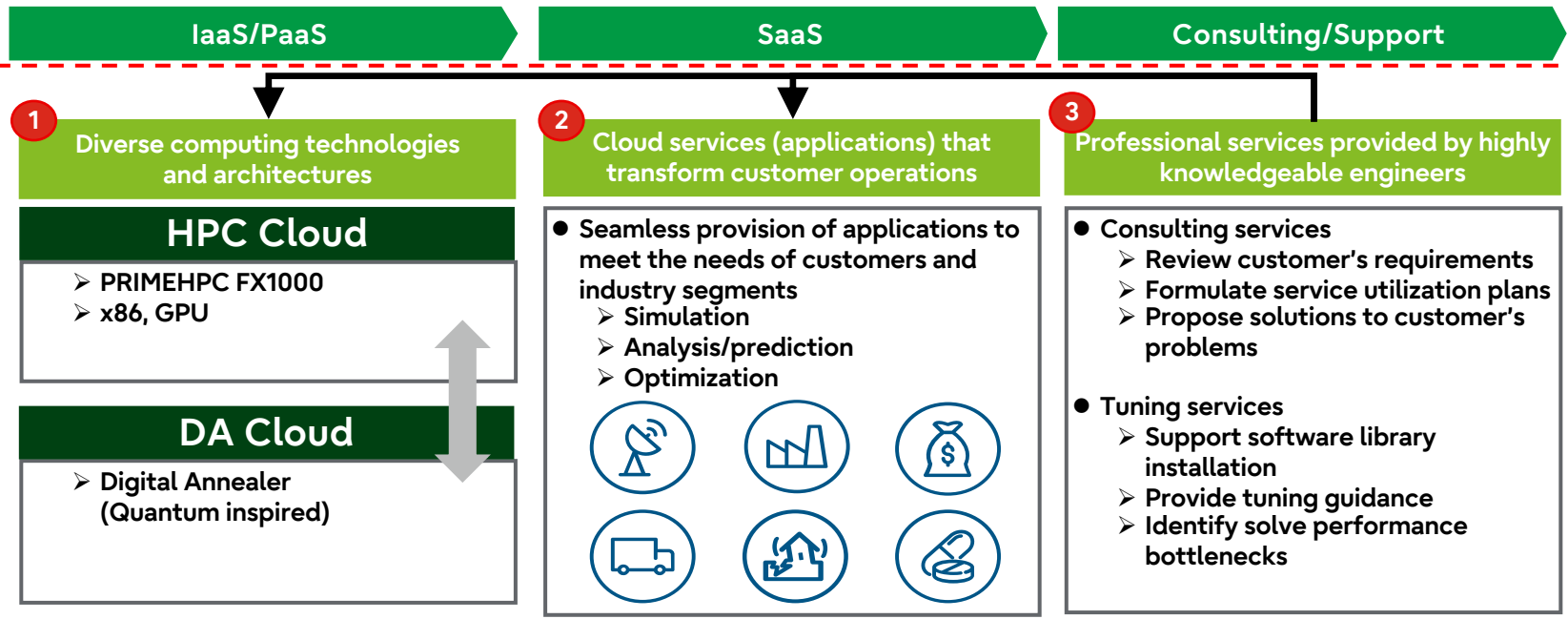
3

Diverse computing technologies and architectures

- Seamlessly leverage advanced computing technologies (HPC/Digital Annealer/AI)

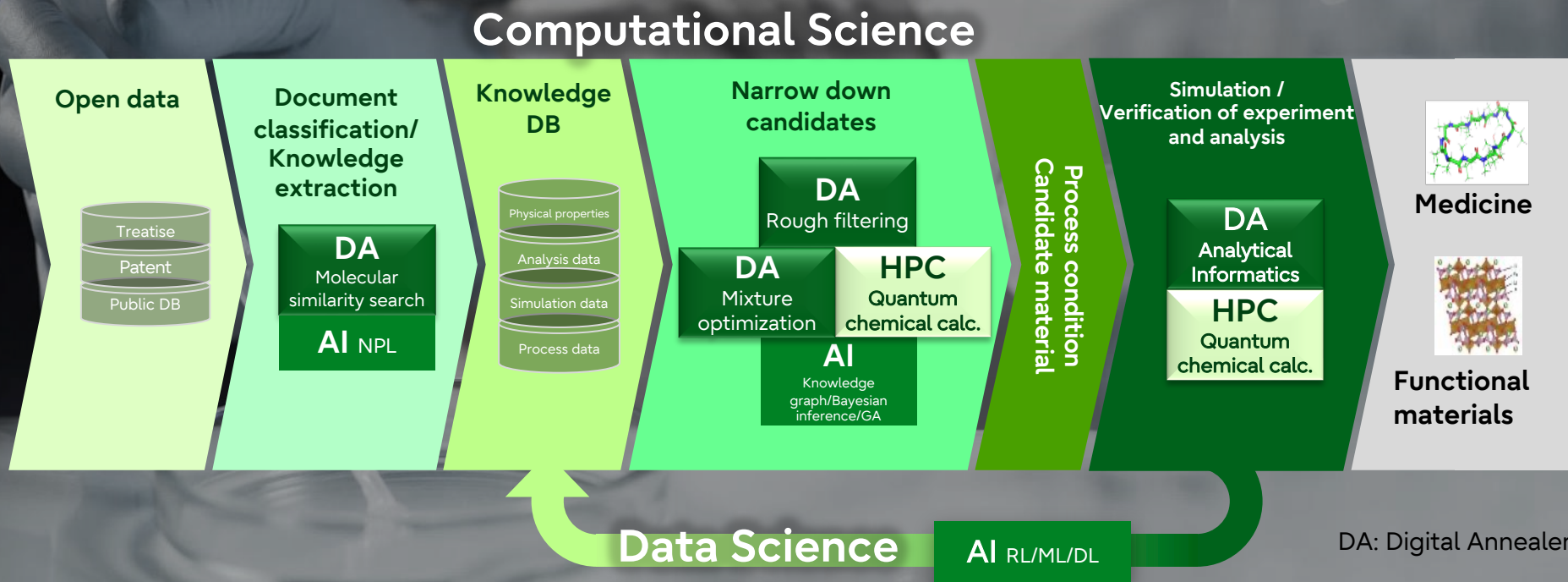
CaaS Proposition

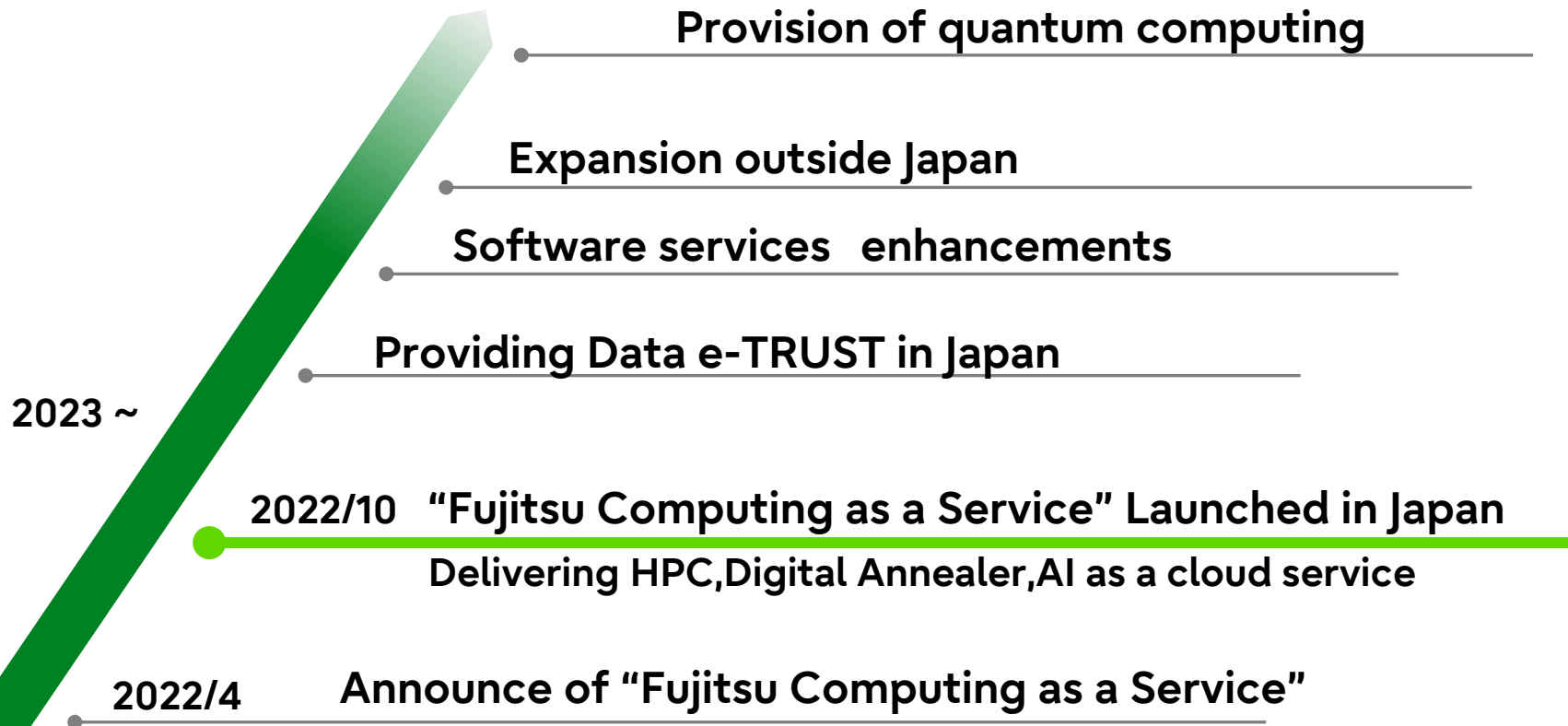
- CaaS provides everything from infrastructure hardware to software applications, consulting and execution support



Innovation powered by CaaS

CaaS dramatically accelerates drug discovery and material development process through hybrid computing with HPC / AI / Digital Annealer.





CaaS HPC

- PRIMEHPC FX1000, one of the most powerful supercomputers featuring the technology of Fugaku, is offered as a cloud service in Japan.
- We help our customers focus on research and analysis by providing them in an easy-to-use HPC cloud service.

1

High Performance by “Fugaku ” technology

High-speed large-scale simulations by using “Fugaku”-compatible hardware and software

2

On-demand HPC Services

HPC environments are available on demand by simply subscribing to the service. All the necessary environment for HPC job execution is prepared by the service side.

3

Professional Support

Professional support from technicians with expertise in large-scale HPC operations. Customers without HPC expertise can take advantage of HPC.



Fujitsu Cloud Service HPC

PRIMEHPC
FX1000

x86

GPU
(NVIDIA)

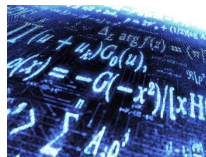
API

Software
Library

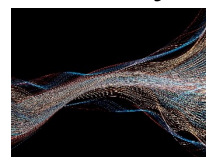
Control
Panel

Visualization

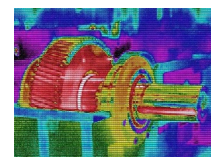
Numerical calculation



Fluid analysis



Structural analysis



CaaS Digital Annealer

CaaS Digital Annealer

- Fujitsu's own architecture with digital circuits inspired by quantum phenomena that solves combinatorial optimization problems.

Quantum Technology

Still in the
research phase

- Difficult to maintain quantum state
- Connection and extension constraints



Digital Annealer

Easy application
of real problems

- Digital circuit makes stable operation and miniaturization easy
- Fully coupled architecture allows for easy mapping of complex problems



Thank you

