

NEC Innovation Day

03

Open & Connectivity for a New World

Open & Connectivity

Connect everything in an open environment

To realize DX on a global scale that will drastically solve social issues through open innovation with partners in various areas.

Evolving Communication Technologies and Value Revolution toward Open & Connectivity

5G



Digital transformation (DX)
A society with improved
business activities and urban
issues addressed



Beyond 5G



New work-life style in New Normal
A sustainable society where
everyone can fully enjoy their
humanity

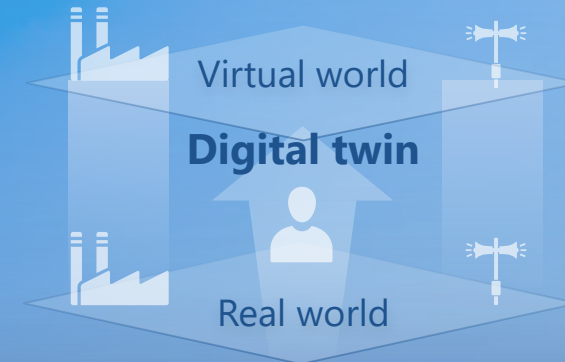
People and things connected
by high-speed communication



Large capacity, little delay,
and multiple connected network connection

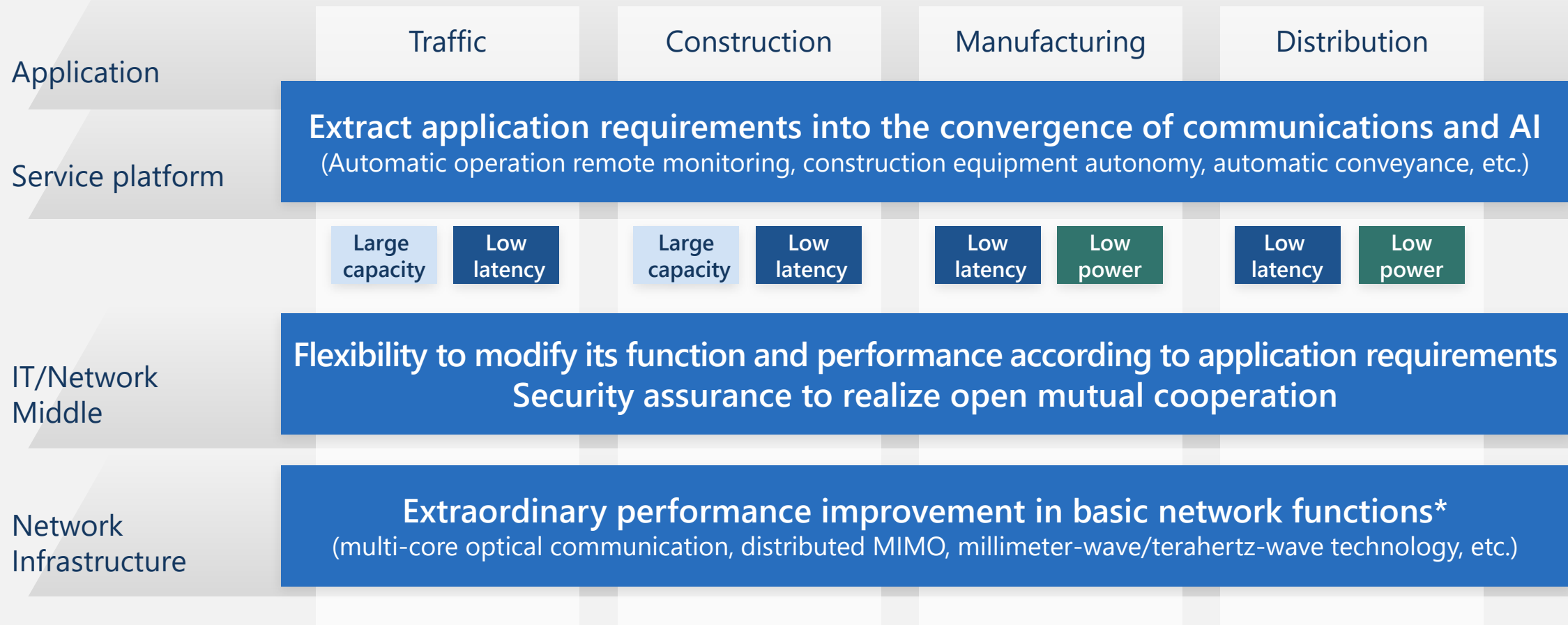
Further
Integration
of
digital and real

Seamless connection of
people, things, and matters



Next-Generation ICT Platform Supporting the Integration of Digital and Real

Flexible and secure ICT platform that not only has extraordinary infrastructure performance, but also can vertically satisfy the enough functions and performance of each layer based on application requirements.

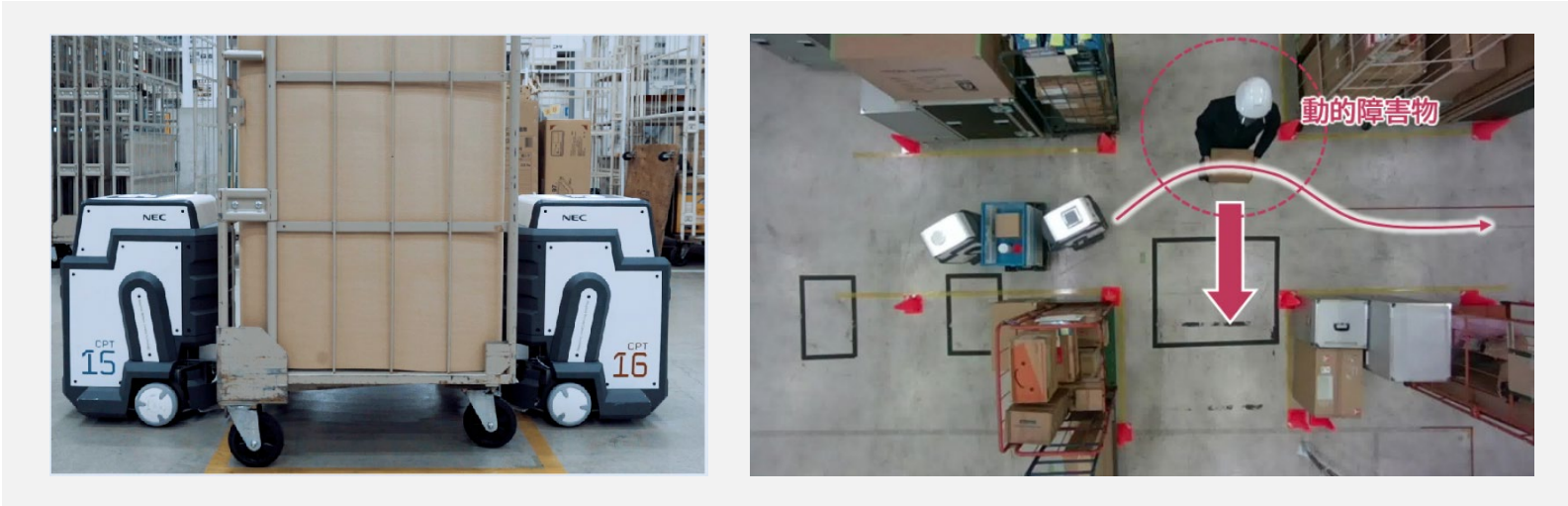


*Ultra-high speed, large capacity, ultra-low latency, ultra-low power consumption, etc.

Robotics × Communication

Collaboration between Humans and Robots

Communication network technology improves work efficiency while surely avoiding collisions and deviations through robotic sensors and centralized control from outside

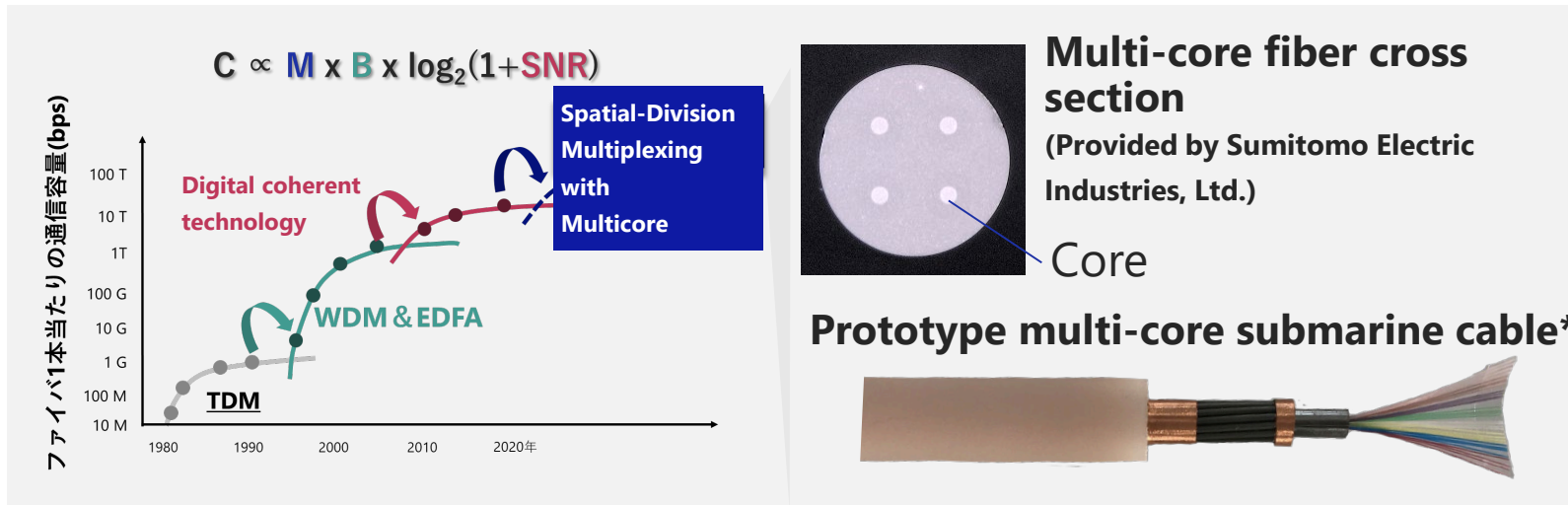


It can transport a variety of carts without any attachments. The current operation and equipment can be replaced with the robot without any change.



Multicore optical technology enabling high-capacity communication

Multicore fiber with reduced signal interference enables a dramatic improvement in capacity



We have further reduced signal interference by applying our original transmission technology to uncoupled multicore fiber to achieve a 128-core submarine cable design capable of transmitting large amounts of data even over ultra-long transoceanic distances.

※This work includes the results of the "R&D of Innovative Optical Network Technologies for New Social Infrastructures (JPMI00316)" conducted by the Ministry of Internal Affairs and Communications.



\Orchestrating a brighter world

NEC