Network

Living with AI and Robotics powered by 6G

MWC26

NTT docomo

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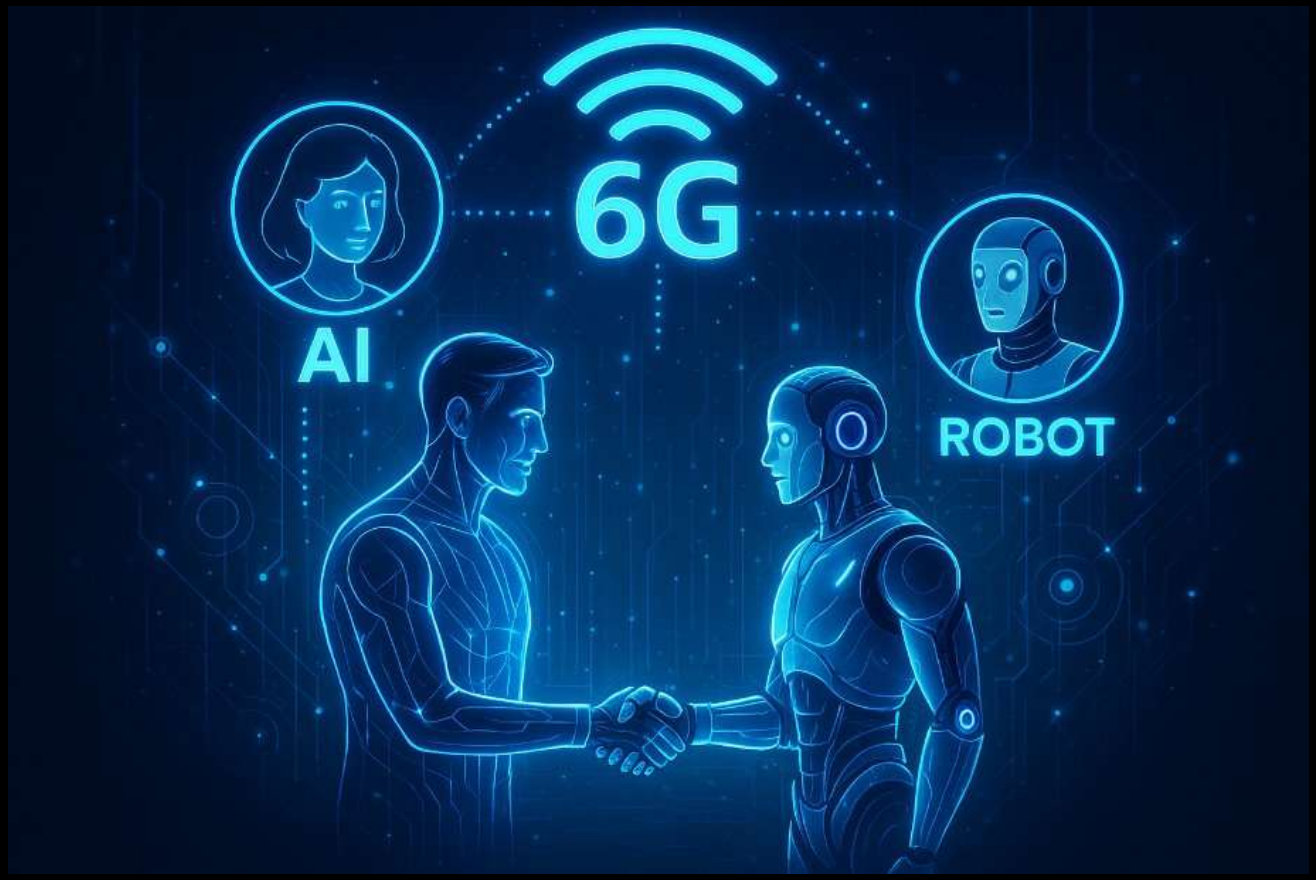


6G will make the world our senses, connecting us with AI and robotics in a way we've never felt before

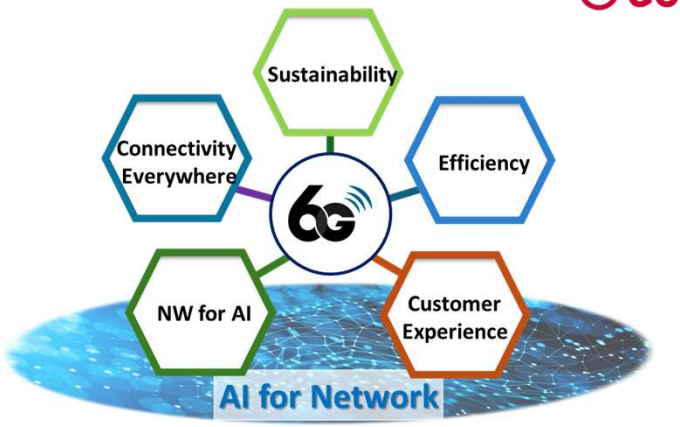
01

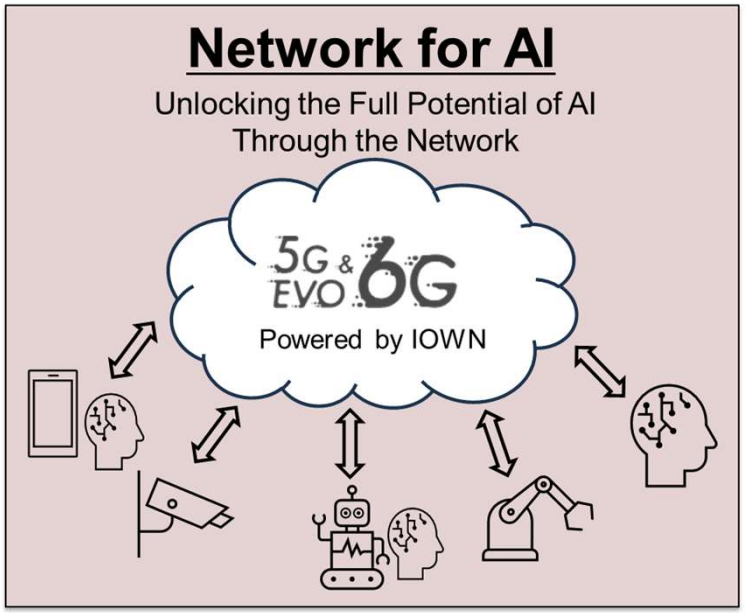
NW for AI

DOCOMO Vision:
How 6G and AI Will Shape Our World?

- 6G will make the world our senses, connecting us with AI and robotics in a way we've never felt before
  - AI will always be by your side, for well-being in health and mobility
  - A world that AI and robots work for you, with services that anticipate your needs for an inclusive lifestyle

- **Our goal:** Advancing better living through technology and ensuring sustainable comfort for everyone





02

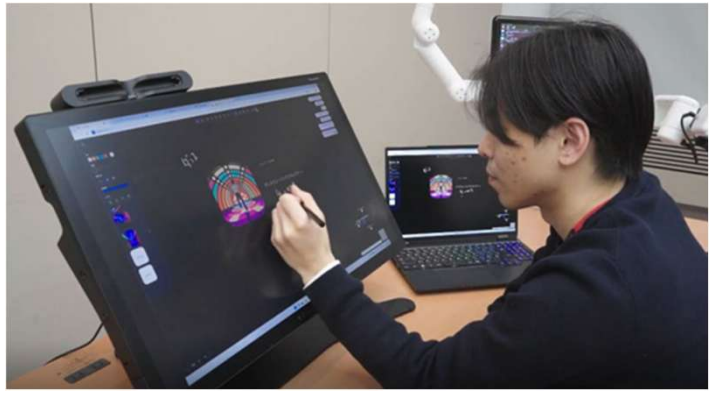
New User Interface Concept with AI

Introducing 'Composer’: Gateway to Future AI, Empowered by 6G

- The power to orchestrate your world:
  - New, seamless way to communicate with AI and robotics, turning complex interactions into simple actions
  - User-tailored, human-like AI (AGI/ASI), powered by real-world context and vast global data

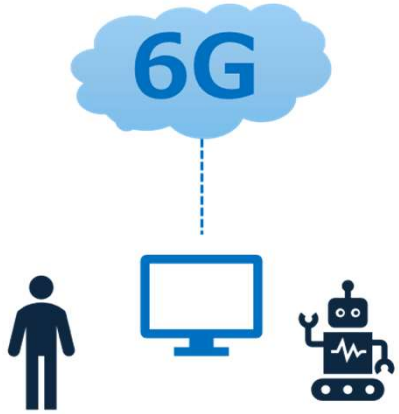
- Enabled by 6G ultra-fast, high-capacity, and low-latency connectivity, our network makes this real-time experience possible

Compose a life with less friction for a smarter, more intuitive future



AGI
ASI

AGI: Artificial General Intelligence
ASI: Artificial Superintelligence



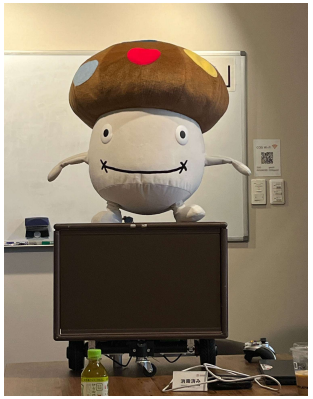
03

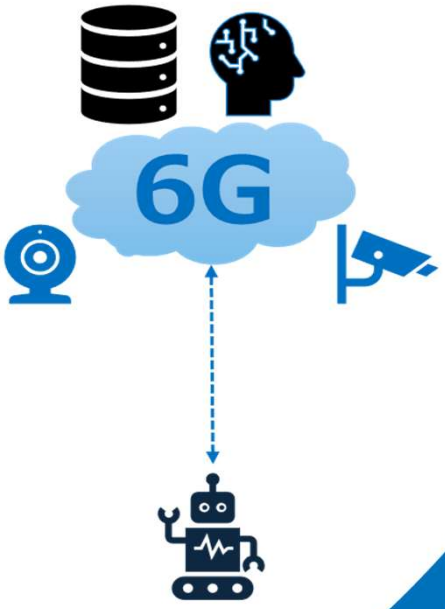
Sensor less Robot Concept

Introducing Sensor-less Robots: 6G-Powered Sensing, Connecting Humans and Robots

- Robot = human body, network = human senses:
  - Powered by 6G-enabled sensing, external cameras, and LiDAR data processed by AI, the robot has a 360-degree, real-time view of the world

- Shared senses create perfect teamwork:
  - Network = sense ⇒ every robot and AI shares the same reality, enabling seamless collaboration and synchronized action





From smart devices to collective automation, we are shaping a fully interconnected ecosystem for a more intelligent future

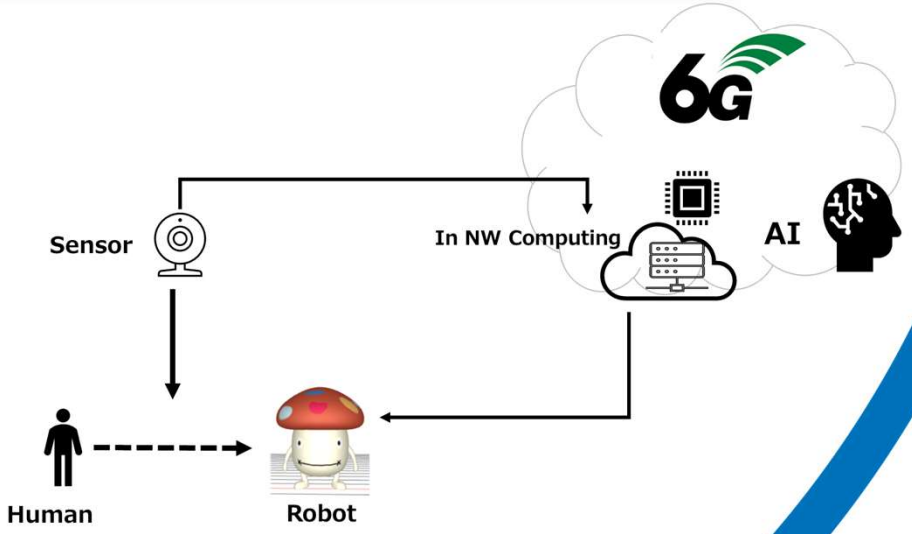
04

In-Network Computing (INC)

In-Network Computing (INC): 6G Redefines AI on Every Device

- INC shifts processing to the network, enabling powerful AI on simple, low-power devices
  - For example, the network performs real-time AI video analysis to control autonomous robots
  - Successfully validated by NTT and DOCOMO on DOCOMO's commercial 5G network

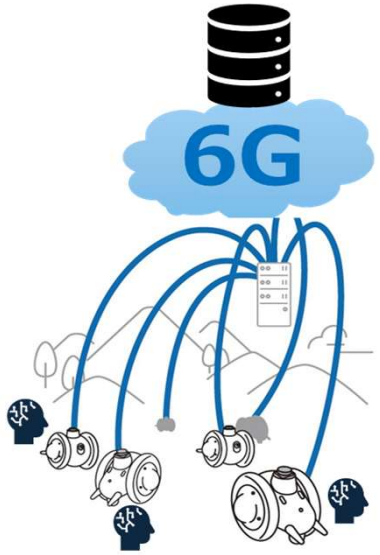
We are advancing INC technology and leading its international standardization



05

Autonomous Robot Concept

Introducing DENDEN: Autonomous Robot for a Better Future

- Autonomous robot, enabled by 6G's extensive coverage and high reliability, can operate independently even in areas inaccessible to humans
  - Operating alongside humans, these robots collect data for environmental protection, disaster prevention, and monitoring
  - Ultra-low power consumption and massive connectivity enable diverse applications

Toward a sustainable society built on seamless human-robot collaboration