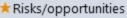
# The AIDC industry in 2050

(1.5°C scenario)

Key actions:

Design circular products, use recycled materials in production, and visualize GHG\*1 emission per product throughout the supply chain.





Regulations on gaspowered vehicles









## Raw materials (Suppliers)

procurement strategies

Need to optimize

# Need to develop energy-

Production/service (AIDC)

saving & circular economy products

### Usage (Consumers)

Need to enhance GHG emission disclosure & material traceability

Need to enhance recycling programs & use recycled materials

#### Materials



Higher cost of critical raw materials & chips due to decarbonization



Higher cost to procure recycled or plant-based materials

# Energy



Higher cost for renewable energy & CCUS\*2

#### **Printers**



Circular economy



- ★Green energy & energy savings at factories, to lower GHG emission
- Visualization of production process & GHG emission

#### Labels & tags



Less product labels/tags with e-commerce expansion & alternative technologies



Eco-friendly products (energy saving, light weight, long product lifetime)



Tracing of intricate action flows (large & diverse data)



Visualization of GHG emission through LCA\*3



Complicated SCM\*4 needs from customers



Higher shipping costs due to carbon tax

#### Markets



Designs for the environment: easy recyclina



New businesses in collection & recycling (through partnerships)



Eco-conscious use of natural capital (e.g., water)

<sup>\*1</sup> GHG: Greenhouse Gas

<sup>\*2</sup> CCUS: Carbon Capture, Utilization and Storage

<sup>\*3</sup> LCA: Life Cycle Assessment \*4 SCM: Supply Chain Management