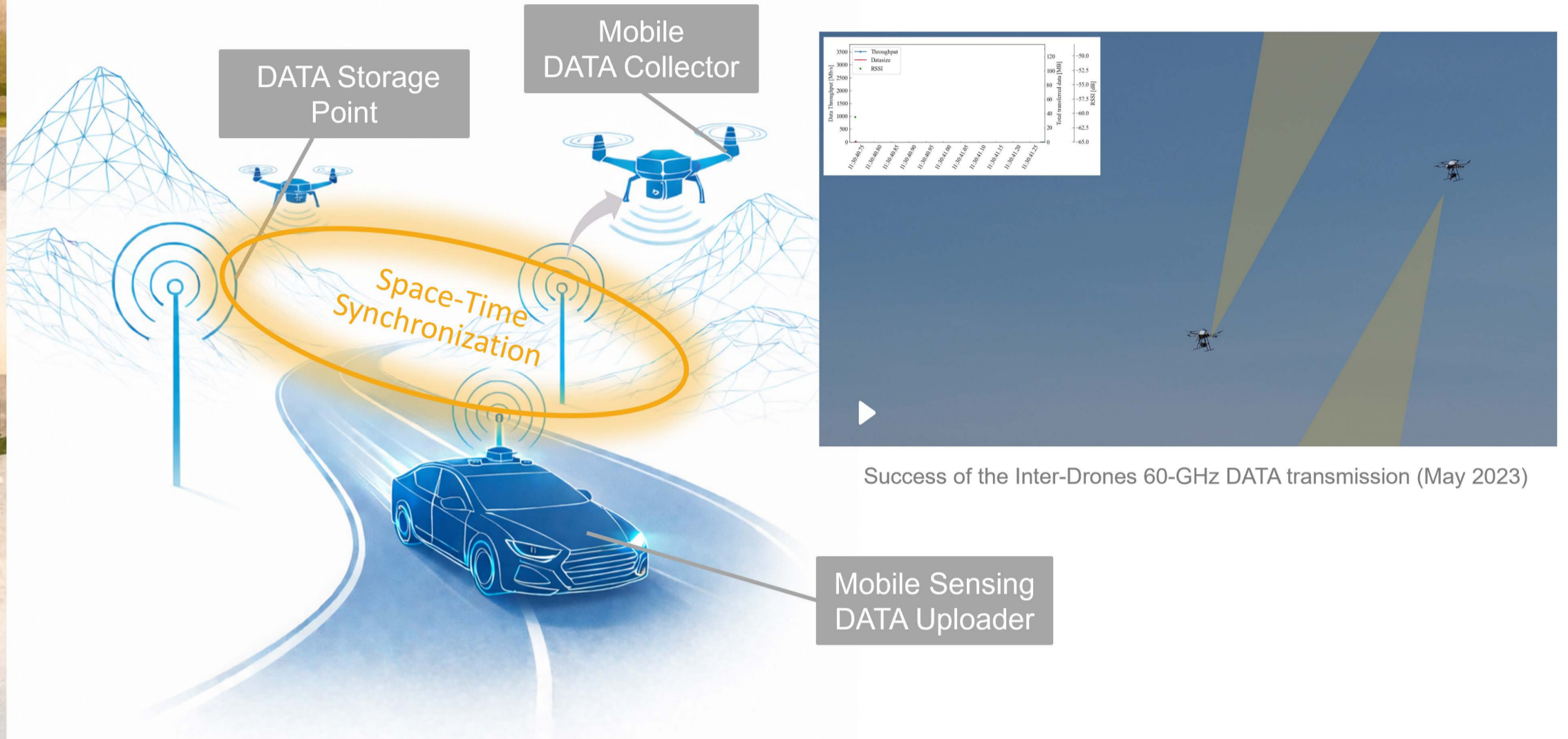
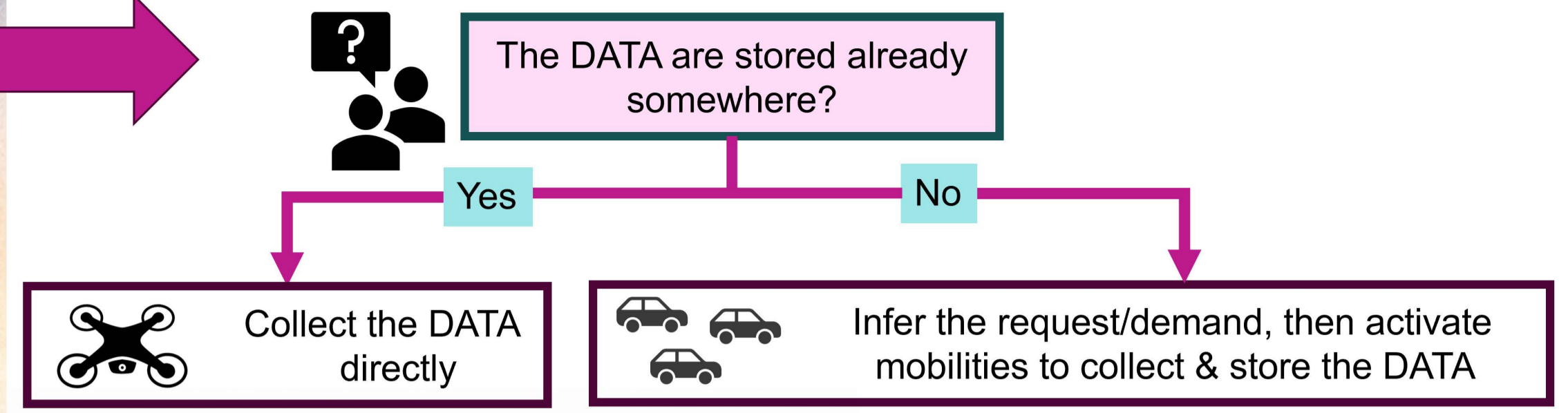


# AI-Empowered Ultra-Spot Communications

DATA Delivery Service utilizing Autonomous Mobilities



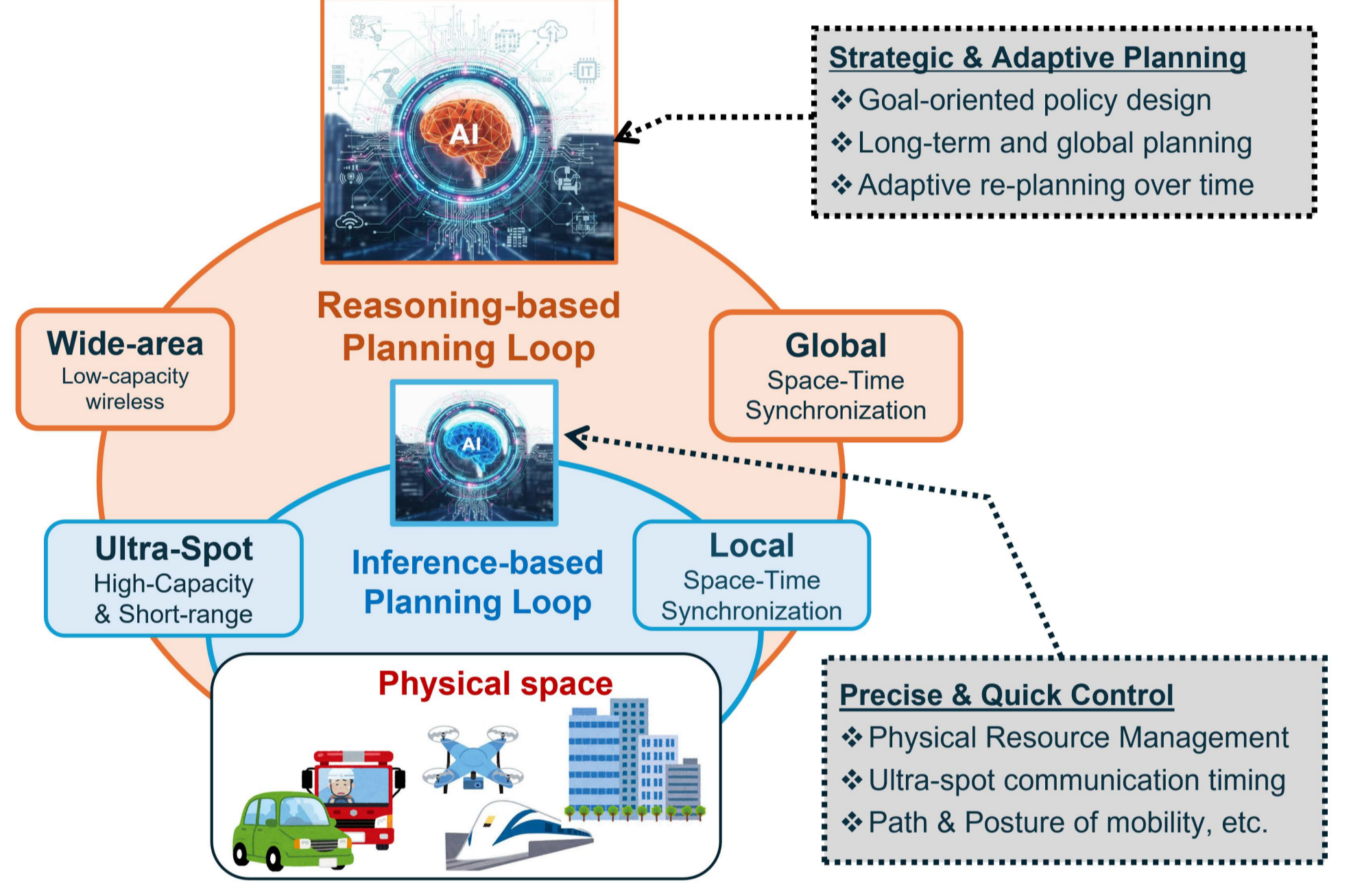
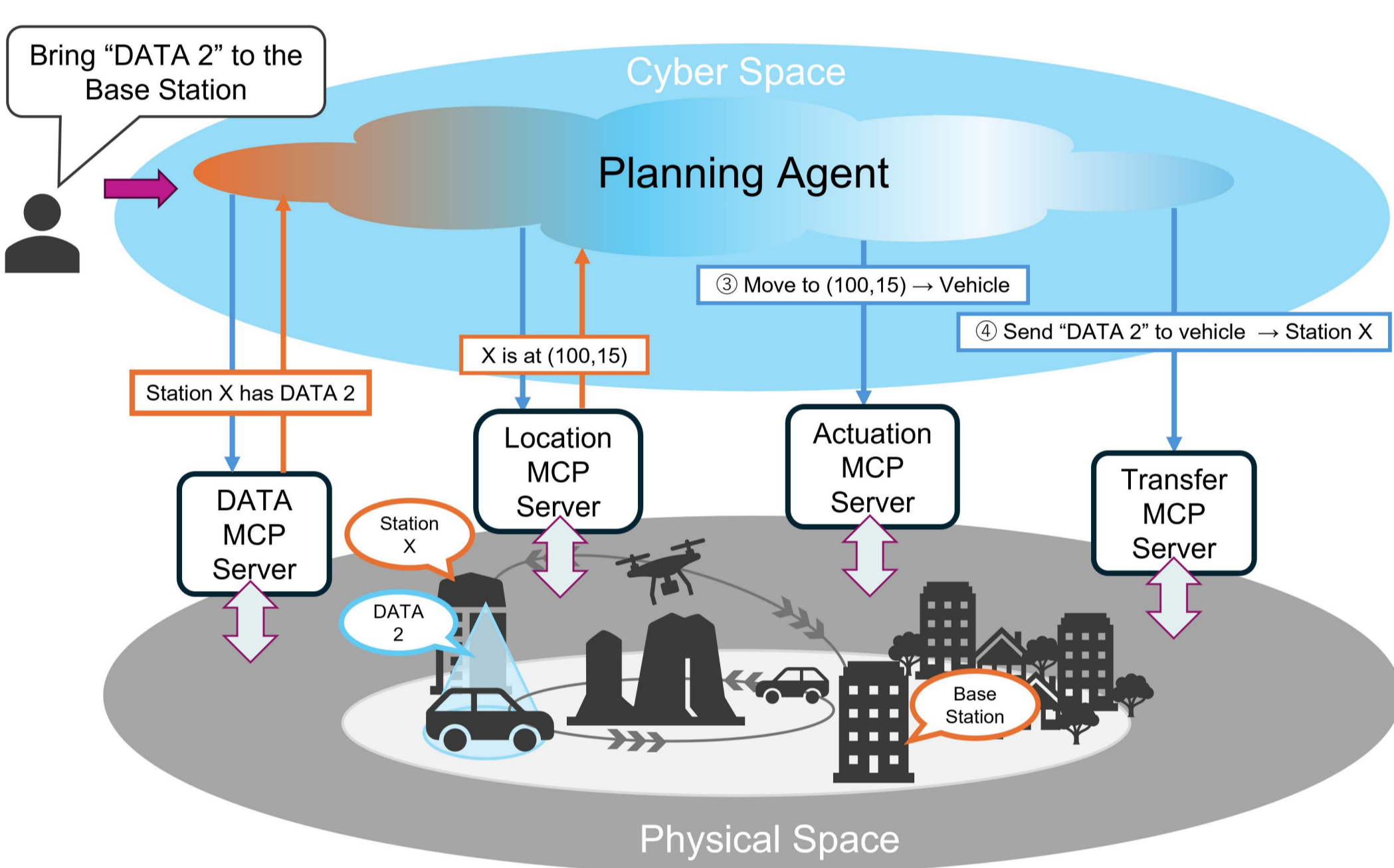
## Understand User/Social Requests & Demands



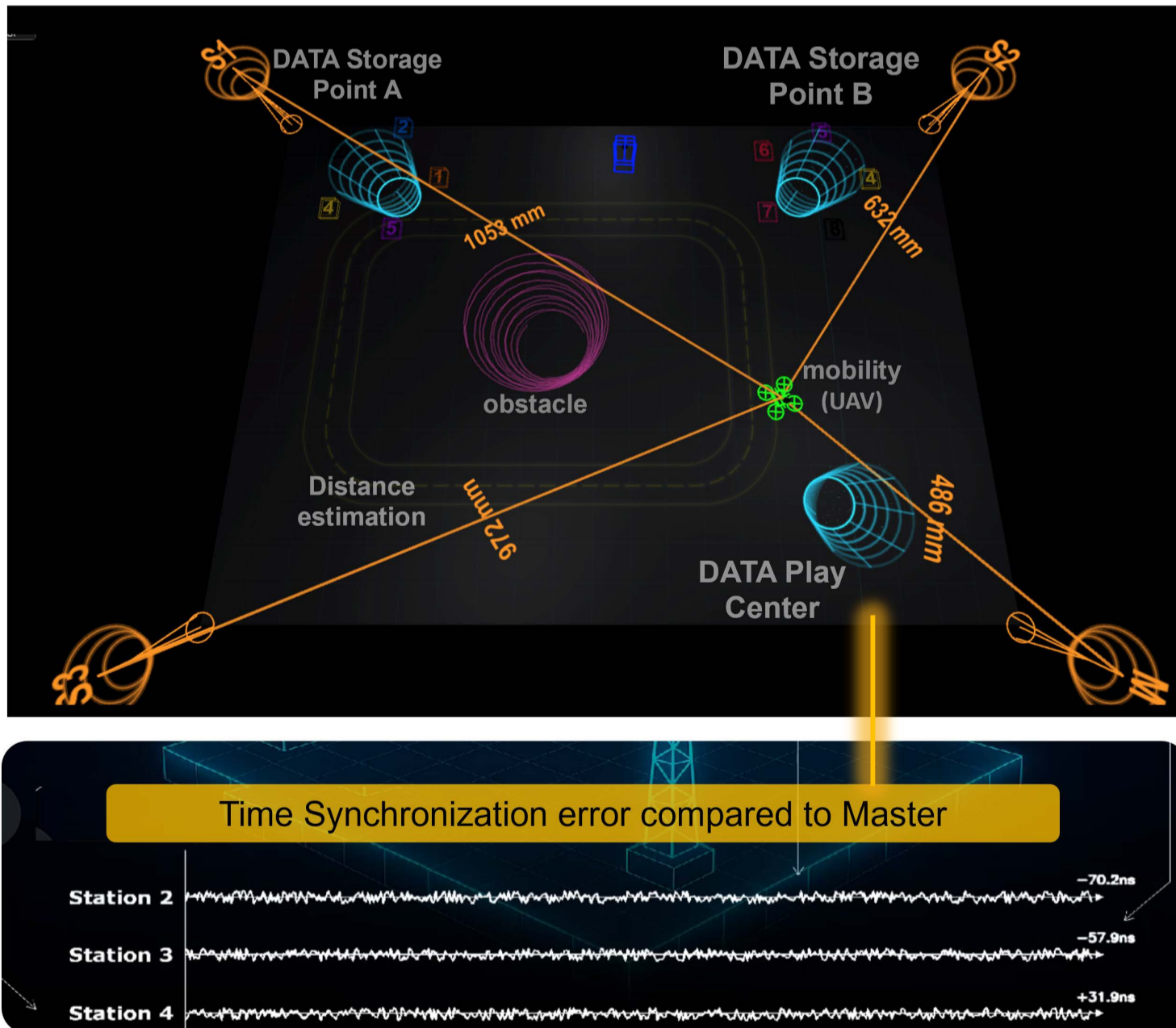
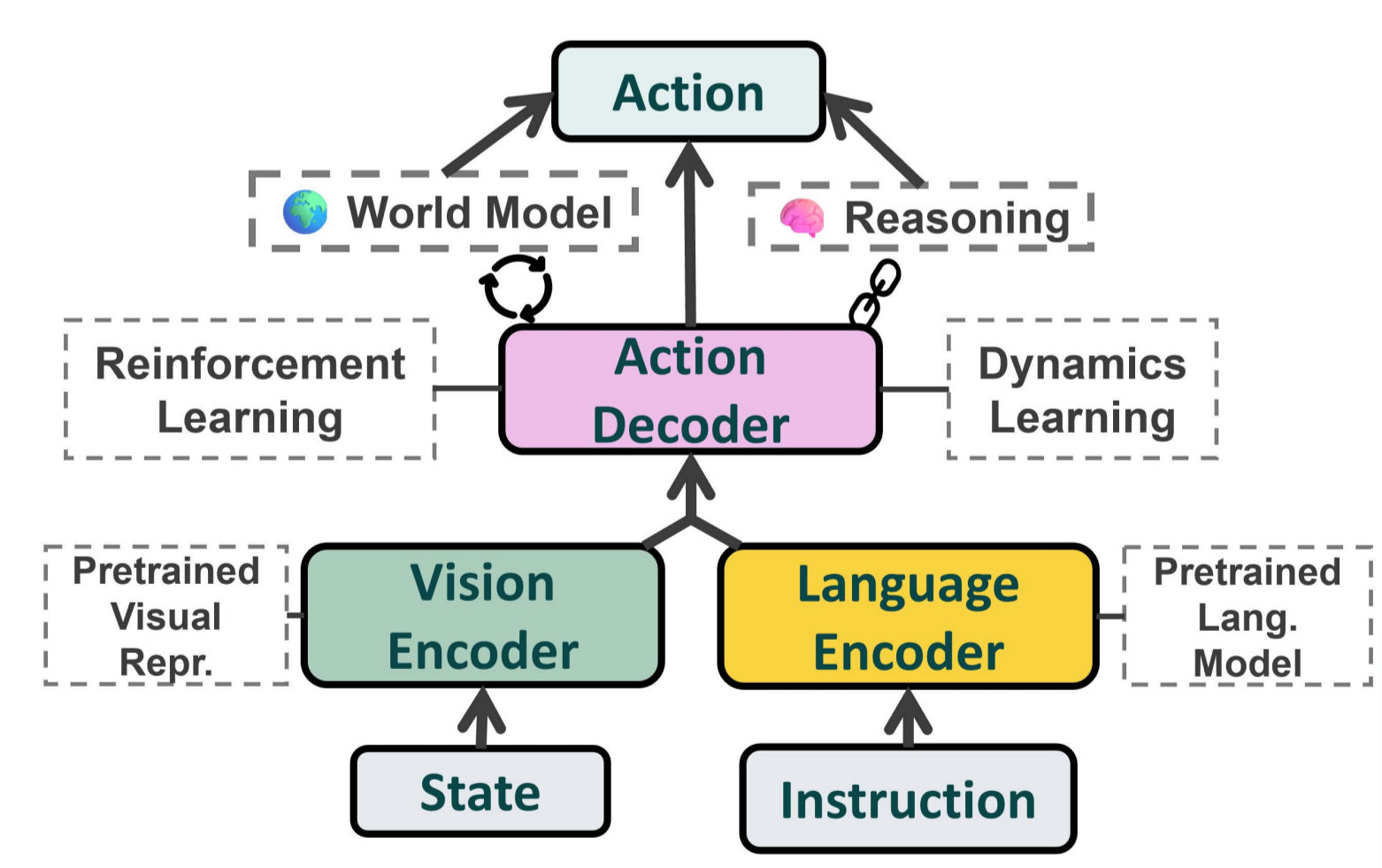
Success of the Inter-Drones 60-GHz DATA transmission (May 2023)

Live Demo:

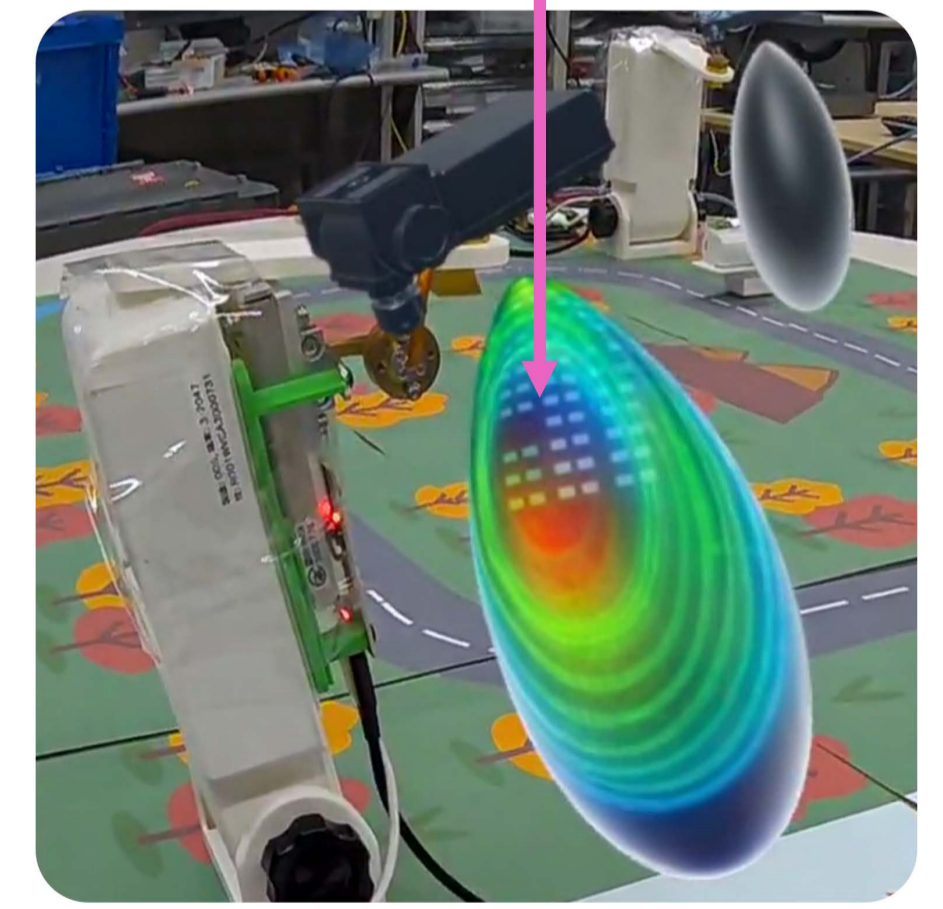
## Ultra-Spot Communication × Space-Time Synchronization × AI Planning



## Architectural concept of DATA Delivery Platform assisted by Autonomous Mobility with AI-based Intelligent DATA Routing



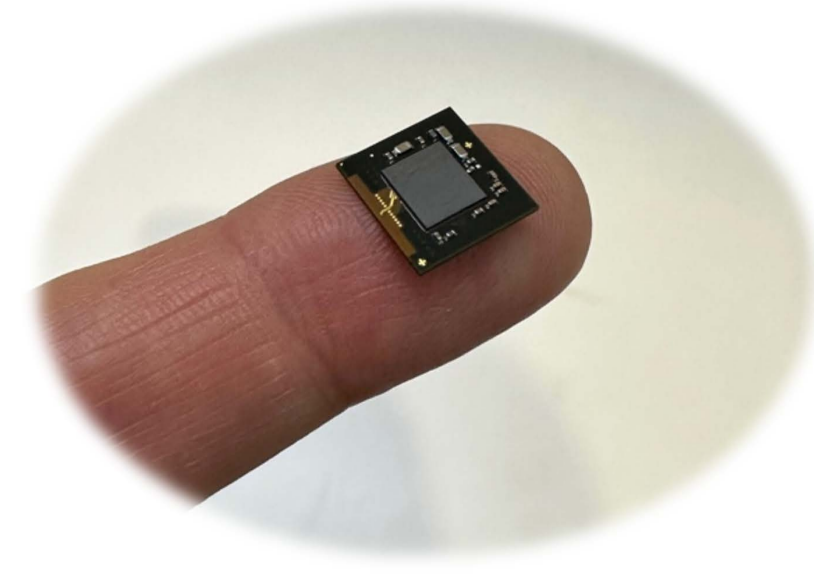
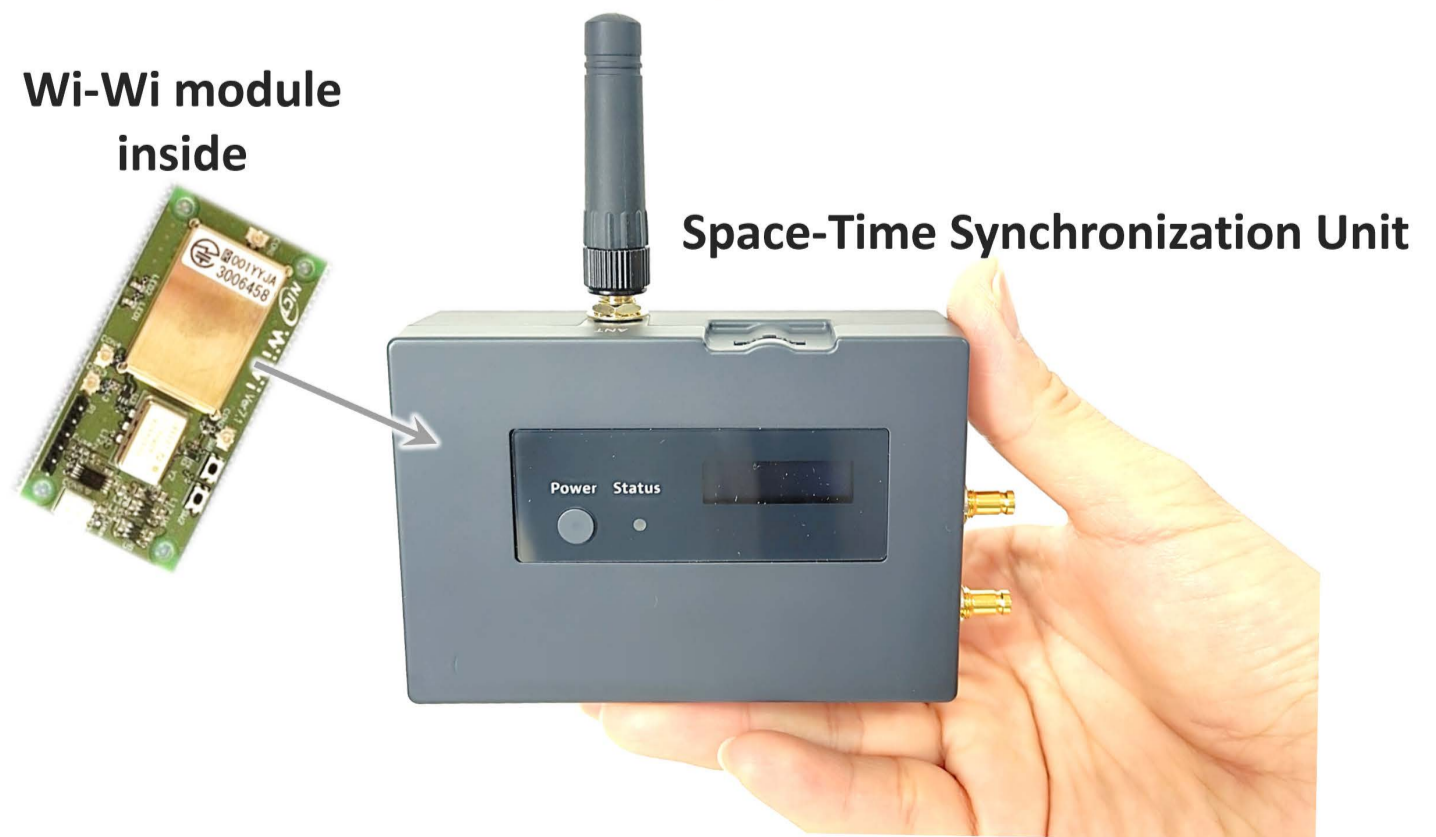
Planned mmW (60 GHz) communication spots whose color changes during DATA transmission.



### Action-Centric Multimodal Agent Architecture

### Digital-Twin Visualization

### XR Visualization of mmWave



Space-Time Synchronization Units with the function of Space-Time Stamping on the sensing DATA  
(Cooperating Company: Seiko Future Creation Inc.)

60GHz SoC compliant with IEEE 802.15.3e  
(Cooperating Organization: HRCP Research and Development Partnership)

