Applica.

Layer 6: Service consumption in applica. (Industry, Society, Metaverse,…)

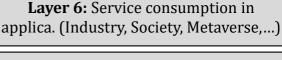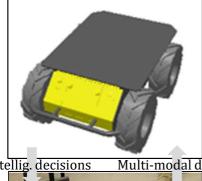**Digital twin (DT)**

Layer 5: Web-based & DT-driven services (e.g., design, monitoring, sustainability, control,…)

Layer 4: Communication (e.g., next-gen wireless network, web, OPC UA, …)

Intellig. decisions   Multi-modal data

Physical systems

Remote mobile robot

Camera

Layer 1: Data synthetization (Metaverse) and data sensing

Layer 2: Multi-modal data structuration and knowledge management

Layer 3: Data processing, artificial intelligence & machine learning (edge AI)

Trans-fer

Gene-ration

Foun-dation