

Standardized Data Platform for Al, Metaverse, Blockchain, and Edge Computing

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Contents



- IoT as Infrastructure for emerging technologies
- IoT for Al
- IoT for Digital Twin and Metaverse
- Data related standards work (Data regulations, License management, etc.)

IoT as Infrastructure



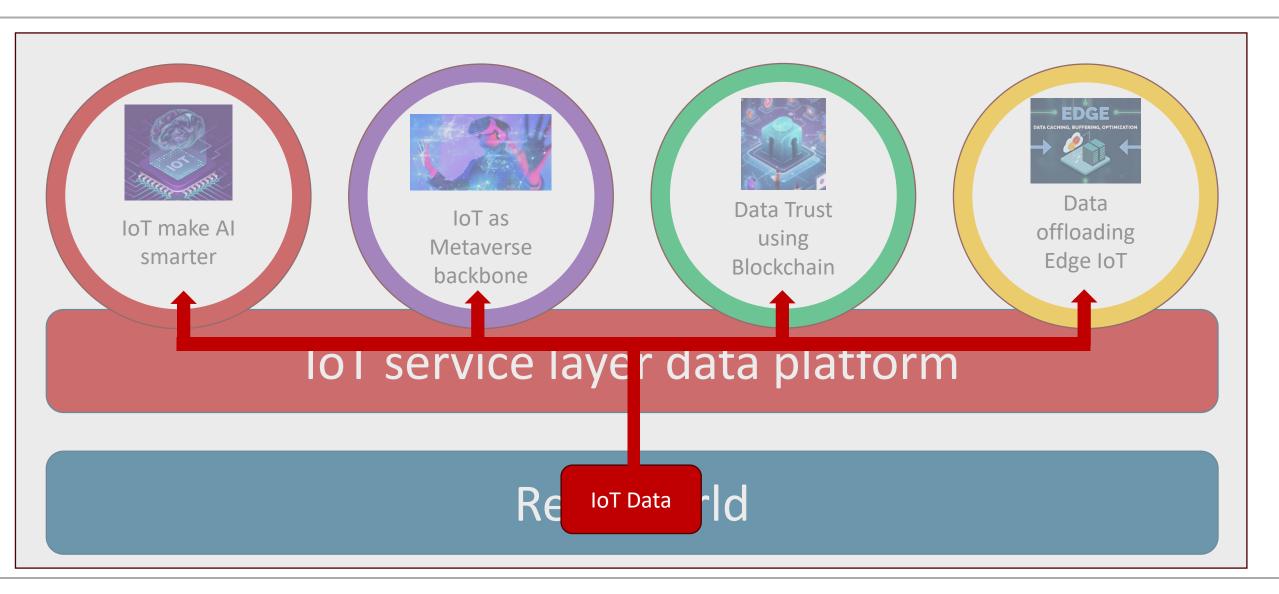


IoT service layer data platform

Real World

IoT as Infrastructure

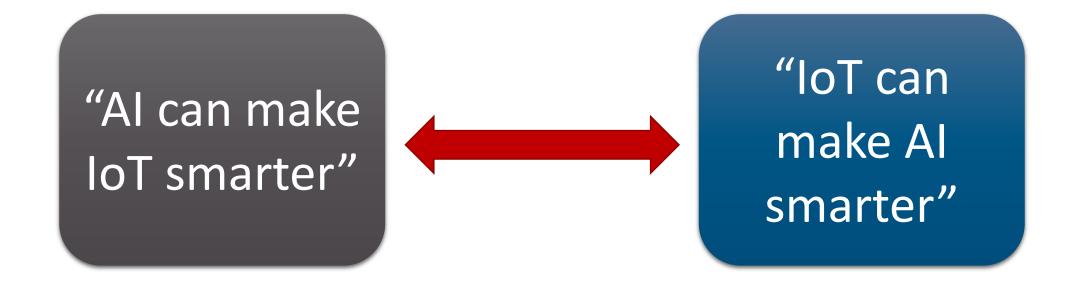




IoT and Al



AI enabled IoT?





Al-enablement to oneM2M



Make oneM2M platform to support data management for AI and provide AI/ML capabilities

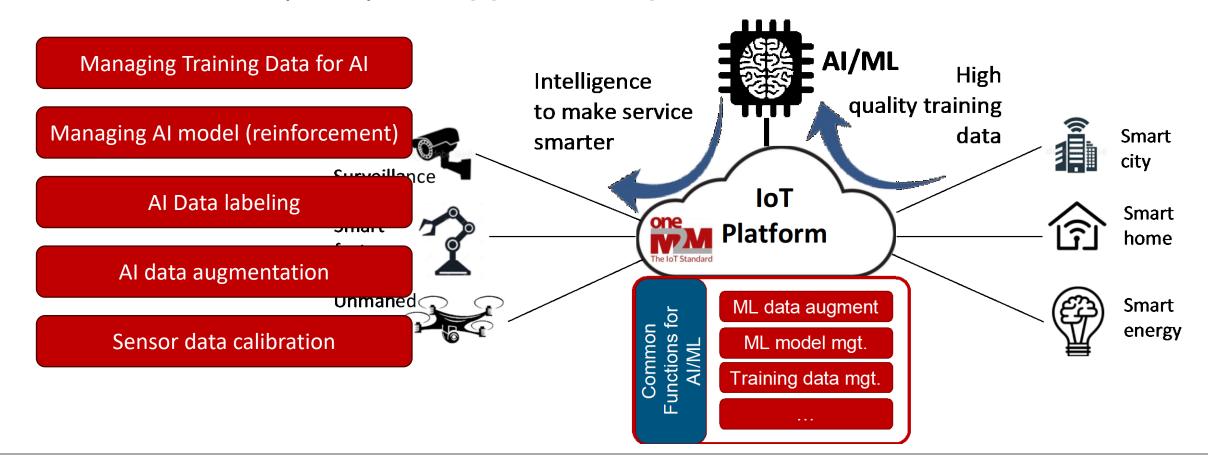
WORK ITEM		
Work Item Title:	System enhancements to support AI capabilities	
Document Number	WI-0105	
Supporting Members or Partner type 2	KETI, Hyundai Motors, Exacta GSS, Deutsche Telekom, SBS, Nokia, Hansung University, Orange, Convida Wireless	
Date:	2023-04-21	
Abstract:	This work item aims to enable oneM2M to utilize Artificial Intelligence models and data management for AI services.	
Template Version:23 February 2015 (Do not modify)		



Al-enablement to oneM2M

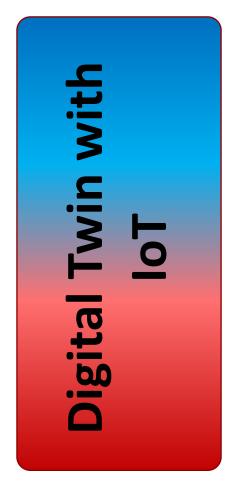


 oneM2M system should be enhanced with A new common service function (CSF) to support AI capabilities



IoT and Digital Twin





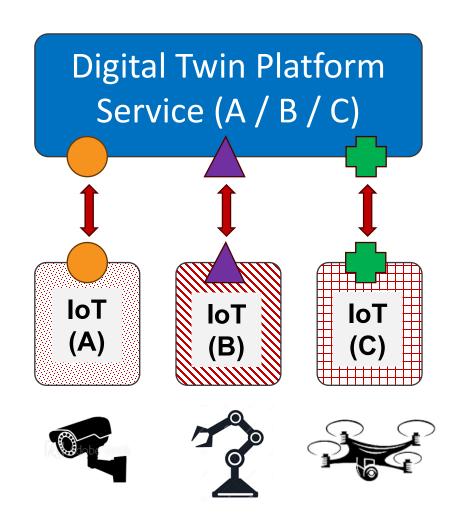
Digital Twin replicating the real-world

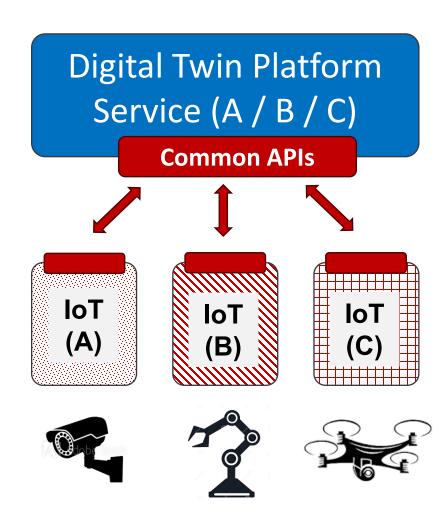


IoT as a Data Platform

Standardized IoT for DT

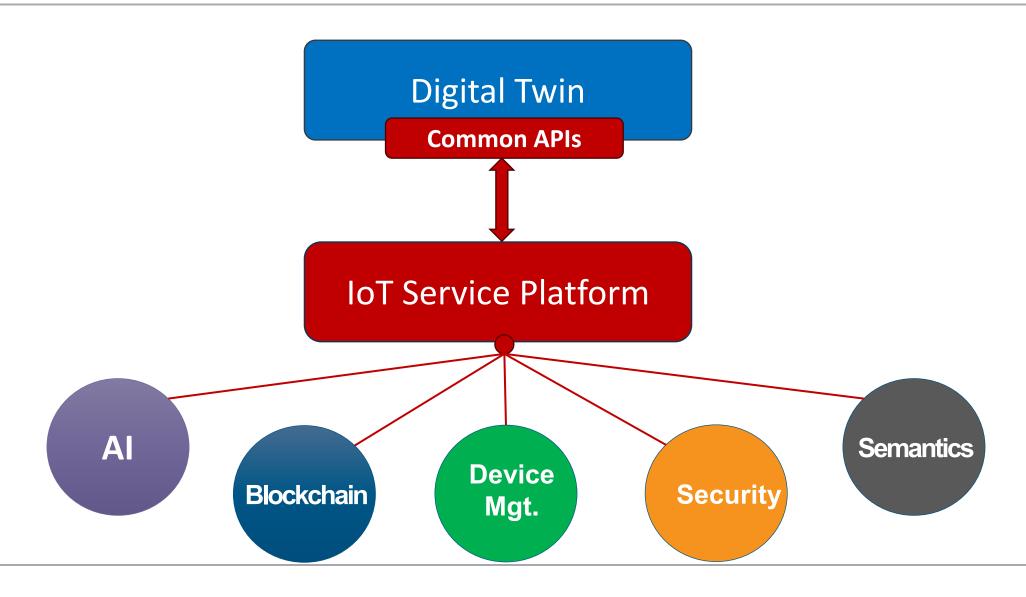






Benefits using Standardized IoT Platform







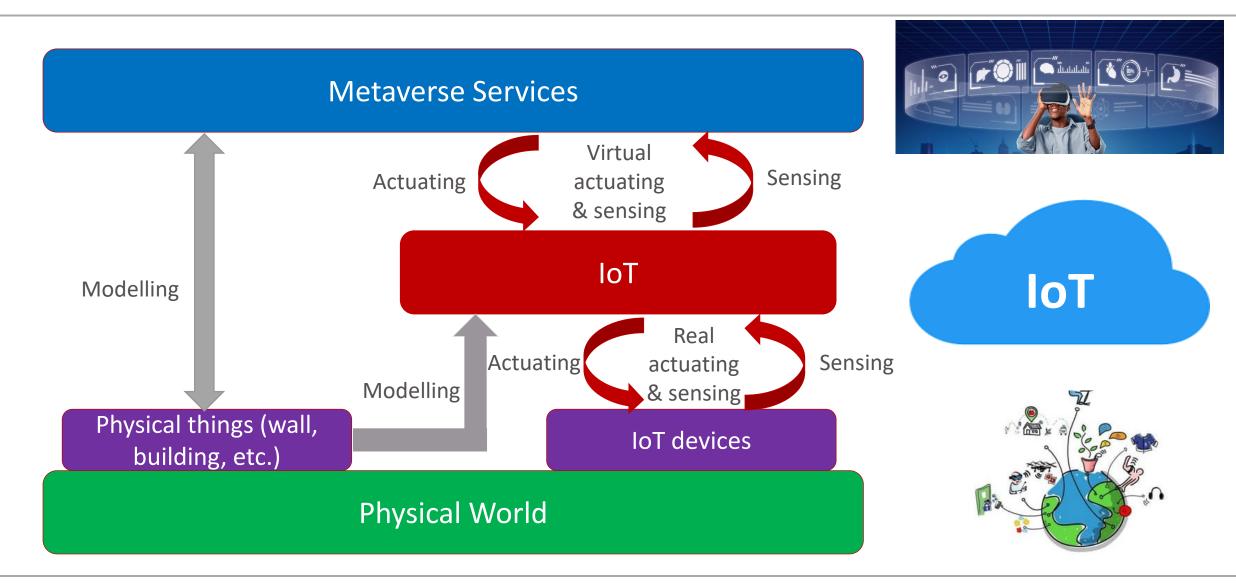


Make oneM2M platform to support Metaverse services

WORK ITEM		
Work Item Title:	Enablement of IoT in the metaverse (MetaIoT)	
Document Number	WI-0110	
Supporting Members or Partner type 2	Hansung University, Nokia, KETI, Sejong University	
Date:	2022-09-28	
Abstract:	Propose a Work Item for enabling Metaverse services on IoT	
'Template Version: January 2020 (do not modify)		

MetaloT







Data License Management



Allow oneM2M to manage data license so support

- Linked Open Smart City Data
- License-based discovery

WORK ITEM		
Work Item Title:	System enhancements to support Data License Management	
Document Number	WI-0102	
Supporting Members or Partner type 2	Hyundai Motors, KETI, Deutsche Telecom, Telecom Italia, Convida Wireless, BT, Orange	
Date:	2020-05-29	
Abstract:	Proposes a work item to study oneM2M system enhancement to support data license management.	
Template Version:23 February 2015 (Do not modify)		



Data Protection Regulations



Make oneM2M platform to be compliant with Data Protection Regulations such as GDPR and PIPA

WORK ITEM		
Work Item Title:	System enhancements to support Data Protection Regulations	
Document Number	WI-0095	
Supporting Members or Partner type 2	Hyundai Motor, KETI, BT, SyncTechno Inc., Hansung University, EGM, Sejong University	
Date:	2022-11-30	
Abstract:	Proposes a work item to study oneM2M system enhancement to support data protection regulations such as General Data Protection Regulation from EU.	
Template Version:23 February 2015 (Do not modify)		



Thank You











