

# oneM2M Use Cases (UCs) and SAREF (Smart Applications REFerence) Ontology

oneM2M supported IoT Use Cases (UCs) - SAREF (Smart Applications REFerence) Ontology

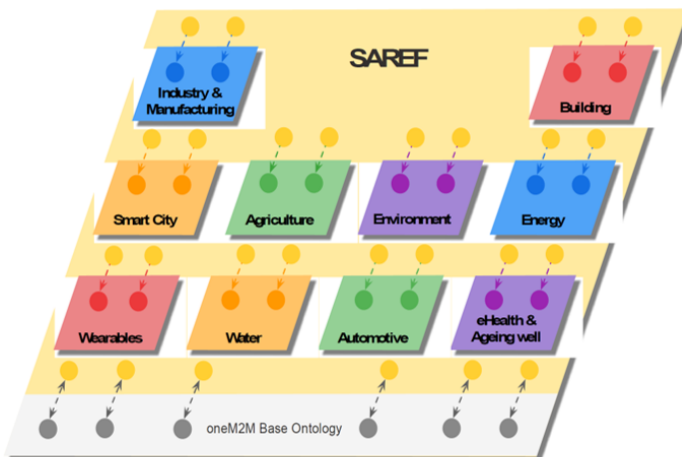
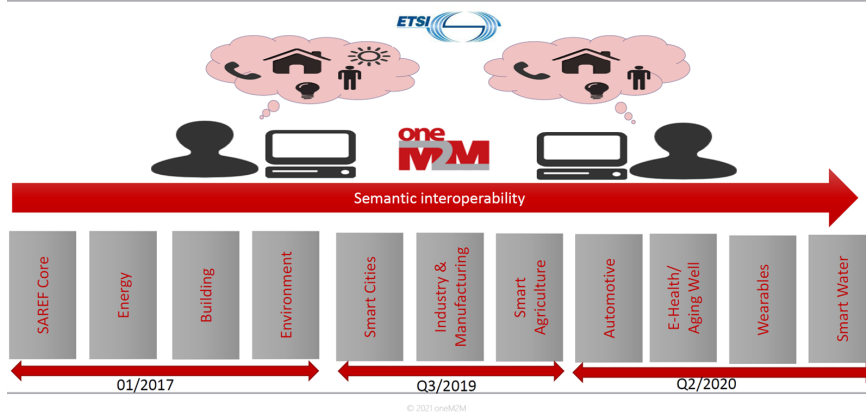


Figure 11: SAREF and its extensions

## SAREF and its extensions



oneM2M supports IoT Use Cases (UCs) Smart M2M **SAREF** (Smart Appliances **REFERENCE**) Ontology. Initially, SAREF V1 was common to three (3) Domains, namely:

- Energy,
- Environment
- Buildings

The first core of SAREF (mapped into three (3) Applications' Domains) has been improved to SAREF V2, then to SAREF V3 to enable mapping of SAREF with more Smart Applications domains such as:

- Smart City,
- Smart Industry and Manufacturing,
- Smart Agri-Food,
- Automotive,
- eHealth and Ageing-Well,
- Wearables,
- Smart Water,
- Smart Lift...)

Like this **SAREF** became **Smart Applications REFERENCE** Ontology (core **SAREF**) with its domain mapping extensions.