Example - Device Specs - ENG

Aa Name`	Type	Description	Scenario
Environmental Monitoring Smart Object	Sensor	Smart Object associated with a specific zone and geographic location equipped with the following environmental monitoring sensors: - Temperature Sensor - Humidity Sensor - Light Sensor - Wind Sensor - UV Index Sensor - PM10 Sensor (pollution) - Rain Detection Sensor - Battery Level Sensor	Agriculture, Industrial, Smart City, Smart Home
Irrigation Controller Smart Object	Actuator, Sensor	Smart Object dedicated to the implementation and control of the irrigation system in a specific area (latitude/longitude and ID). The object can have the following controllable states: -ON/OFF - Policy Configuration (Weekday, Daily Hour) -Irrigation Level: Low, Medium, High -Irrigation Type: Rotation ON, Rotation OFF - Battery Level Sensor	Agriculture, Smart City, Smart Home
Mobile Light Smart Object	Actuator, Sensor	Smart Object dedicated to the implementation and control of the lighting system in a specific area. The object can have the following controllable states: - ON/OFF - Light Level: Low, Medium, High - Energy Consumption Sensor - Battery Level Sensor	Agriculture, Smart City, Smart Home

Aa Name`	Type	Description	Scenario
Trash Bin Smart Object	Sensor	Smart Object associated with an individual dumpster with reference to its ID and geographic location. The object is equipped with the following monitoring sensors: - Volumetric Sensor: Produces the fill percentage of the dumpster - Temperature Sensor	Smart City Waste Management
Waste Collection Truck	Actuator Sensor	Smart Object dedicated to monitoring collection trucks. The object has the following controllable states: - GPS for real-time vehicle movement monitoring - Volumetric Sensor to measure the truck's occupancy level - If the truck's occupancy level is >= 95%, it must return to the operations center - Can receive a list of Points of Interest associated with the dumpsters to collect	Smart City Waste Management
Presence Monitoring Smart Object	Sensor	Smart Object associated with a zone and a position in the building equipped with the following sensors for monitoring based on the type: - PIR Sensor: Produces data only if it has detected a presence - Smart Camera: Provides information on detected presences, when, and how many people have been identified in the image (not who was identified)	Industrial Smart Building Smart City Smart Home
People Counter Smart Object	Sensor	Smart Object associated with a target location equipped with the following sensors for monitoring based on the type: People Counter: Provides real-time data on the number of people entering	Industrial Smart Building Smart City Smart Home

Aa Name`	Type	Description	Scenario
		and exiting (as two separate data points, in=2 out=3)	
Light Controller Smart Object	Actuator	Smart Object dedicated to the implementation and control of the lighting system in a specific area. The object has the following controllable states: - ON/OFF	Agriculture Industrial Smart Building Smart City Smart Home
Alarm Controller Smart Object	Actuator	Smart Object dedicated to the implementation and control of the alarm siren. The object has the following controllable states: - ON/OFF	Industrial Smart Building Smart City Smart Home
Alarm Switch	Actuator	Smart Object dedicated to activating and deactivating the alarm system: - ON/OFF	Industrial Smart Building Smart City Smart Home
Charging Station Smart Object	Actuator Sensor	Smart Object associated with a single charging station with reference to its ID and geographic location. The object is equipped with the following sensors for monitoring: - Energy consumption sensor (kW/h) - Temperature Sensor - Vehicle Presence Sensor - Charging status (Unplugged, Plugged, Charging) - Switch (ON/OFF) - Multicolored LED to indicate status	Smart City
Charging Station Smart Object (Booked/Free)	Actuator Sensor	Smart Object associated with a single charging station with reference to its ID and geographic location. The object is equipped with the following sensors for monitoring: - Charging station status (Booked/Free) -	Smart City

Aa Name`	Type	Description	Scenario
		Multicolored LED to indicate status	
Water Metering Smart Object	Actuator Sensor	Smart Object associated with water consumption monitoring: - Water flow sensor (l/s - liters per second) - Supply switch (ON/OFF)	Industrial Smart Building Smart City Smart Home
Gas Metering Smart Object:	Actuator Sensor	Smart Object associated with gas consumption monitoring: - Gas consumption sensor (kg) - Supply switch (ON/OFF)	Industrial Smart Building Smart City Smart Home
Electricity Metering Smart Object	Actuator Sensor	Smart Object associated with electricity consumption monitoring: - Energy consumption sensor (kWh - kilowatt-hour) - Supply switch (ON/OFF)	Industrial Smart Building Smart City Smart Home
Parking Lot Smart Object	Actuator Sensor	Smart Object associated with a single parking space with reference to its ID and geographic location. The object is equipped with the following sensors for monitoring and devices for actuation: - Vehicle presence sensor - Multicolored LED to indicate status	Smart City
Taxi Vehicle Smart Object	Actuator Sensor	Smart Object associated with vehicle movement monitoring: - GPS for real-time vehicle movement monitoring - Battery Level or Fuel Level Sensor - Vehicle Type - Taxi Meter Actuator (ON/OFF)	Mobility
Bus Smart Object	Sensor	Smart Object associated with vehicle movement monitoring: -	Mobility Smart City

Aa Name`	Type	Description	Scenario
		GPS for real-time vehicle movement monitoring - Vehicle Type -Battery Level or Fuel Level Sensor	
Smart Home Robot Smart Object	Actuator Sensor	Smart Object associated with a mobile robot for household cleaning. The device is equipped with the following sensors/actuators: - Indoor positioning sensor (x, y) - Battery level sensor - Video Camera Switch (ON/OFF) - Operation Mode Actuator (START, PAUSE, STOP)	Smart Home
Mobile Robot Smart Object	Actuator Sensor	Smart Object associated with a mobile robot in an industrial context. The device is equipped with the following sensors/actuators: - Sensor for indoor positioning detection (x, y) - Battery level sensor - Video Camera Switch (ON/OFF) - Can receive a list of points (x, y) to follow for its path. It must send a start and end mission message/event at the beginning and end of its route.	Industrial
Electric Scooter Smart Object	Actuator Sensor	Smart Object associated with monitoring scooter movements: - GPS for real-time vehicle movement monitoring - Battery Level or Fuel Level Sensor - Switch (ON/OFF). If it is OFF, it is assumed that it will autonomously reduce the speed to zero.	Mobility Smart City
Electric Vehicle Smart Object	Sensor	Smart Object associated with monitoring vehicle movements: - GPS for real-time vehicle	Mobility Smart City

Aa Name`	Type	Description	Scenario
		movement monitoring - Vehicle Type - Battery Level Sensor	
Charging Station Smart Object	Actuator Sensor	Smart Object associated with monitoring vehicle movements: - GPS for real-time vehicle movement monitoring - Vehicle Type - Battery Level Sensor	Smart City
Vending Machine Smart Object	Actuator Sensor	Smart Object associated with a single charging station with reference to its ID and geographic location. The object is equipped with the following sensors for monitoring: - Energy consumption sensor (kW/h) - Temperature Sensor - Vehicle Presence Sensor - Charging status (Unplugged, Plugged, Charging) - Switch (ON/OFF) - Multicolored LED	Smart Building
Information Display	Actuator	Interactive Display capable of receiving remote commands in string format that can be viewed by users and associated with specific actions.	Agriculture Industrial Mobility Smart Building Smart City Smart Home Waste Management eHealth
Traffic Light Smart Object	Actuator	Smart Object associated with a public traffic light capable of managing the 3 color LEDs in a timed manner. • LED COLOR • Lighting Time	Mobility Smart City
Touch Biometric Sensor	Sensor	Fingerprint recognition sensor (associated with a unique alphanumeric code).	Industrial Smart Building Smart Home

Aa Name`	Type	Description	Scenario
Window/Door Sensor	Sensor	Sensor for detecting the opening of doors and windows. Identifies whether the two surfaces are in contact (closed) or not (open).	Smart Building Smart Home
Door Smart Lock	Actuator	Associated with an electronic lock with the possibility of managing opening and closing automatically and remotely.	Smart Building Smart Home