

### Qualcomm<sup>®</sup> Smart Cities Accelerator Program

January 2019

**April 2019** 

September 2019

June 2020

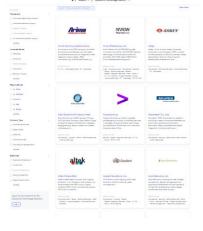
December 2020

### Qualcomm smart cities

Qualcomm
 Technologies forms
 Smart Cities/Smart
 Connected Spaces
 business focus area
 for IoT BU















JUN 8, 202

#### Press Note

Qualcomm and Infinite Collaborate to Facilitate Powerful Digital Transformation in Smart Cities and Enterprises and Deliver End-to-End IoT Platform and IoT as a

 Collaborations with 3<sup>rd</sup> parties to enable IoTaaPlatform and funding allocation to jump start smart cities projects

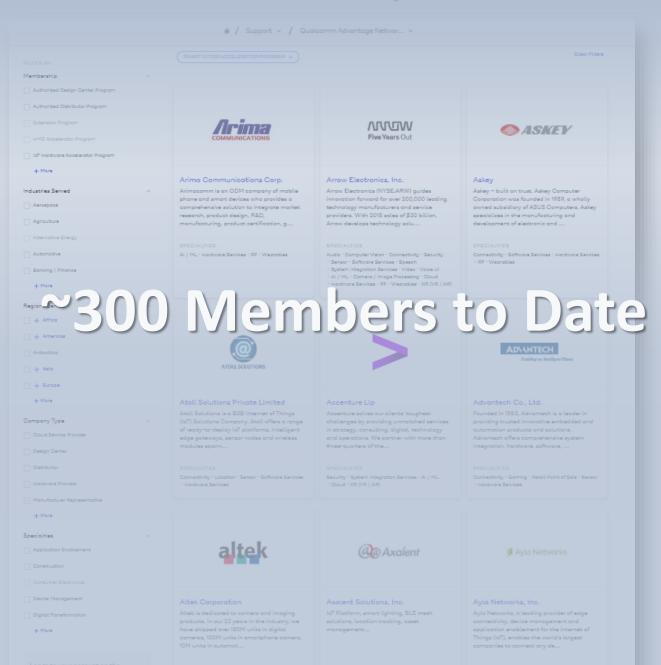


### Qualcomm smart campus

### Qualcomm® IoT Services Suite Announced:

- Education-as-a-Service
- Construction Management-as-a-Service
- Logistics-as-a-Service
- Connected Healthcareas-a-Service

### Accelerator Member Directory



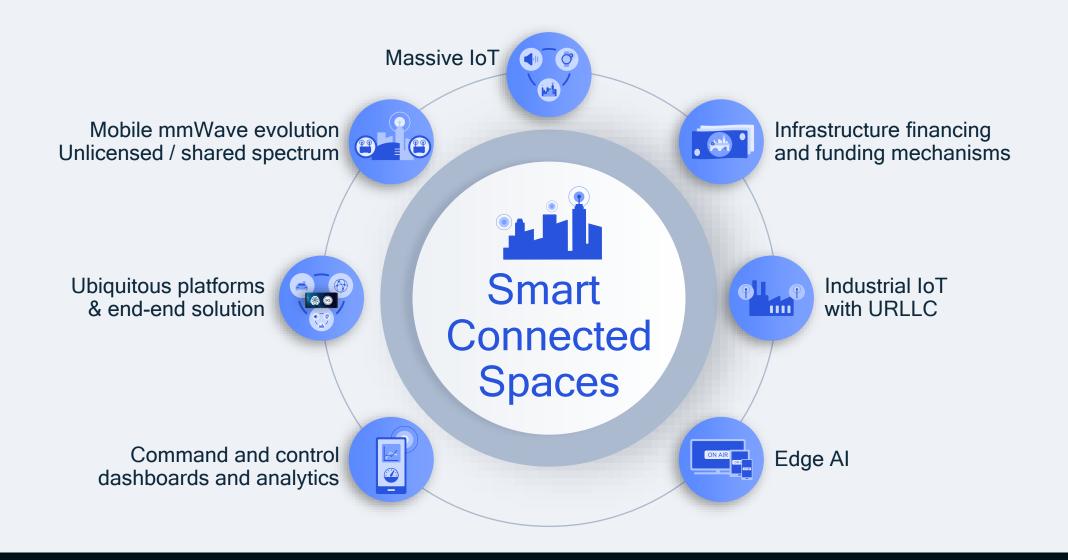
# Enable ecosystem matchmaking within Qualcomm Advantage Network

- Select curated members
- Feed filtered ecosystem
   listing for smart cities
   accelerate program members
- Search available to find specific members and verticals



### Smart Cities: Technical challenges to be addressed

Sheer scope of smart connected spaces can seem too big and costly to tackle by itself



Qualcomm Technologies is at the center of Smart Connected Spaces use cases and verticals



### Qualcomm<sup>®</sup> Smart Cities Solutions









### **Qualcomm Technologies Deliverables**

### **Vertical Expertise**

- Intelligent N/W connectivity using Bluetooth, Wi-Fi, 3G, 4G LTE, 5G
- Superfast Edge Processing & Al
- · The Intelligent Wireless edge
- · City Infra through secured interoperability

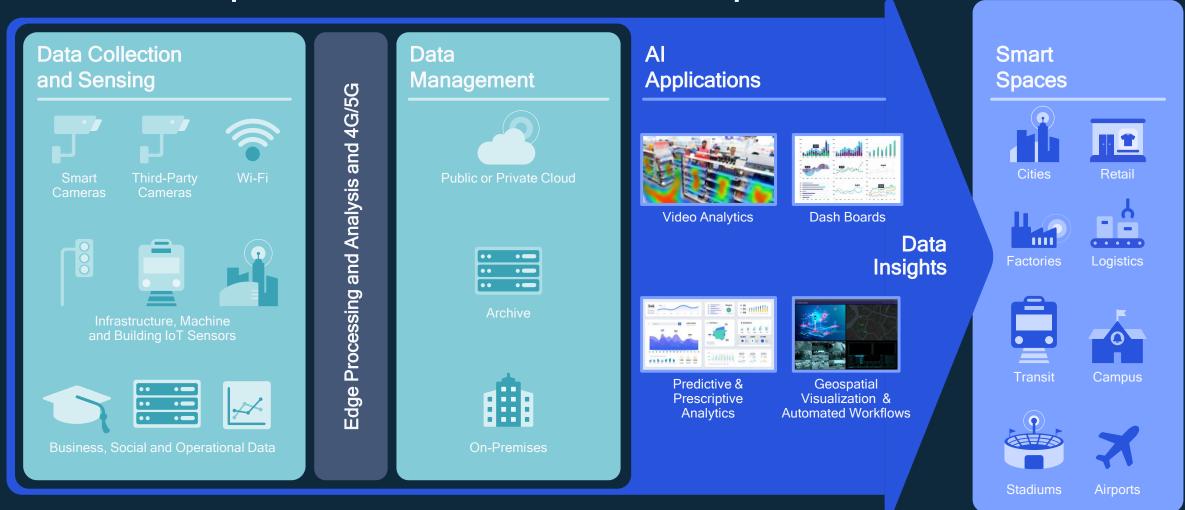
### **Solution Offer Development**

- · Vertical solution development
- Rapid POC & Deployment at Scale
- On-device AI, processing, sensing, vision, -- augmented by edge cloud
- GTM Acceleration

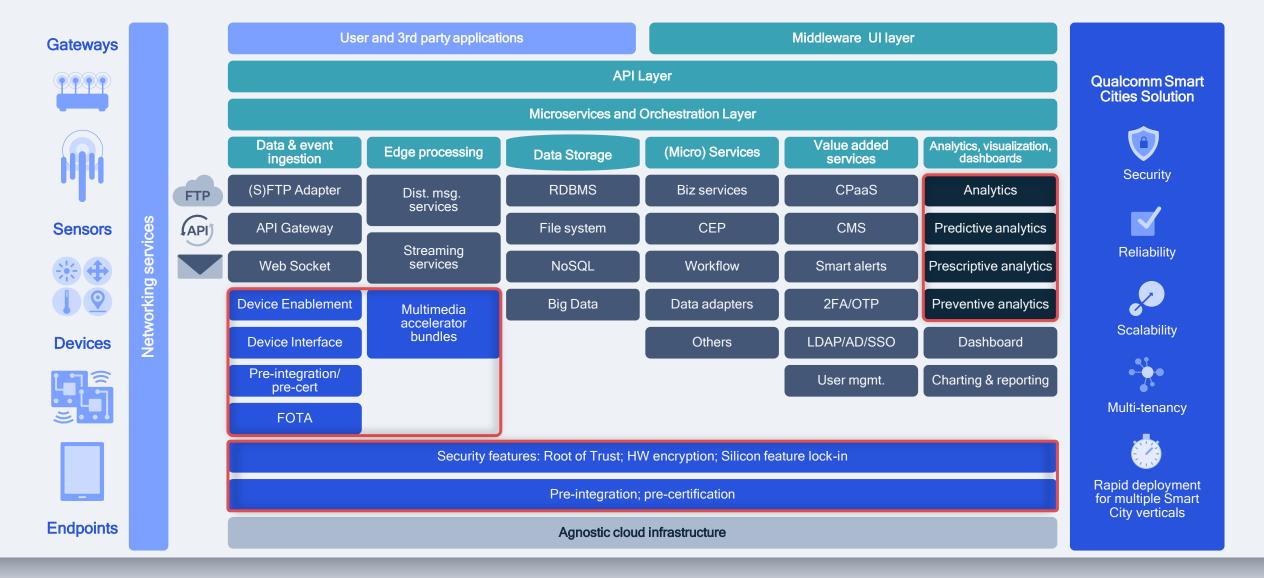
### Large deal capture engagements

- Sales/collaboration enablement
- Vertical community building
- Large ecosystem
- Advancing Al research to make efficient Al ubiquitous
- Complete, end-to-end solution delivered for Smart City verticals for deployment with minimal customization

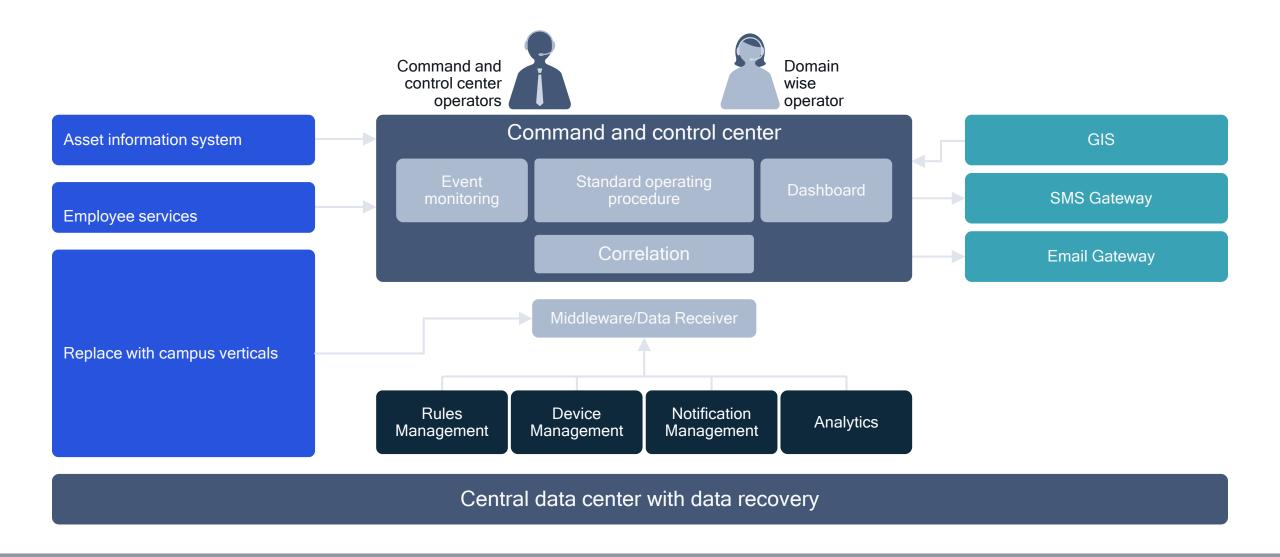
### End-to-end portfolio to enable Smart Spaces



Intelligent data operations: Orchestration, Governance, Security, Privacy Protection and Compliance



Qualcomm Smart Cities enablement platform: Product architecture



# Operations Command and Control Center Architecture overview

# Qualcomm® IOT Services Suite



Education as-a-Service



Construction
Management
as-a-Service



Logistics as-a-Service



Healthcare as-a-Service

### Qualcomm<sup>®</sup> IoT Services Suite

Collaborations with Qualcomm Smart Cities Accelerator Members

- Education-as-a-Service: OneScreen and Hovercam
- Construction Management-as-a-Service: Everguard and Guardhat
- Logistics-as-a-Service: Cloudleaf and Tag-N-Track
- Connected Healthcare-as-a-Service: Ceiba, LucidAct, Veemed, and Zyter

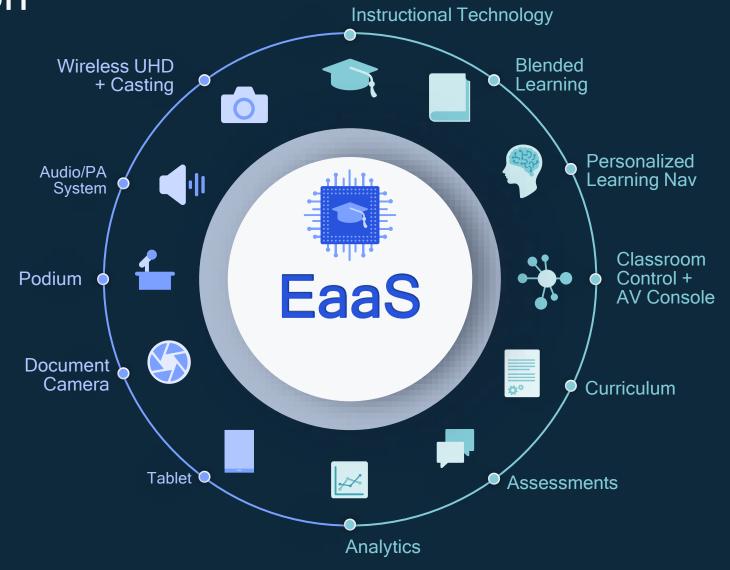
### Delivering IoT-as-a-Service through digital transformation



## Education-as-a-Service Touchpoints

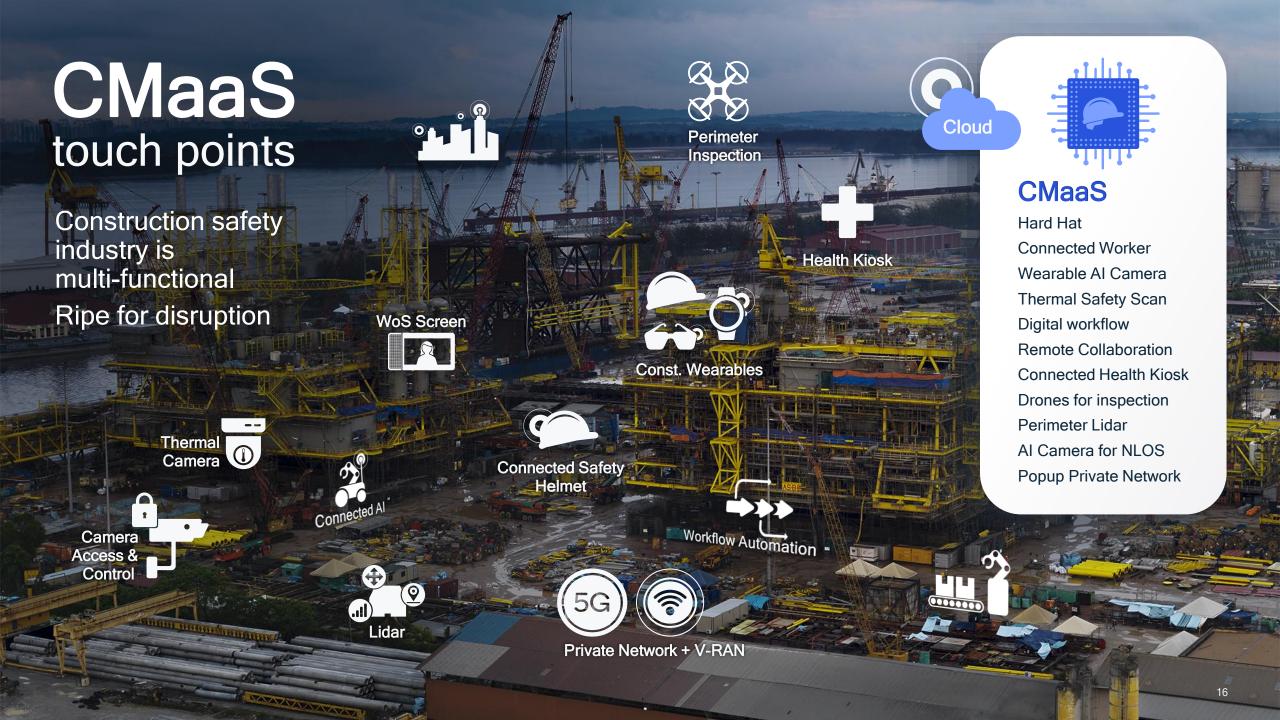
Fully integrated service features for Education

Qualcomm Technologies **Hardware** 



Qualcomm
Smart Cities
Solutions
Suite
Platform
Software





# LaaS Logistics as-aService

Location and positioning technologies are becoming key drivers for logistics:

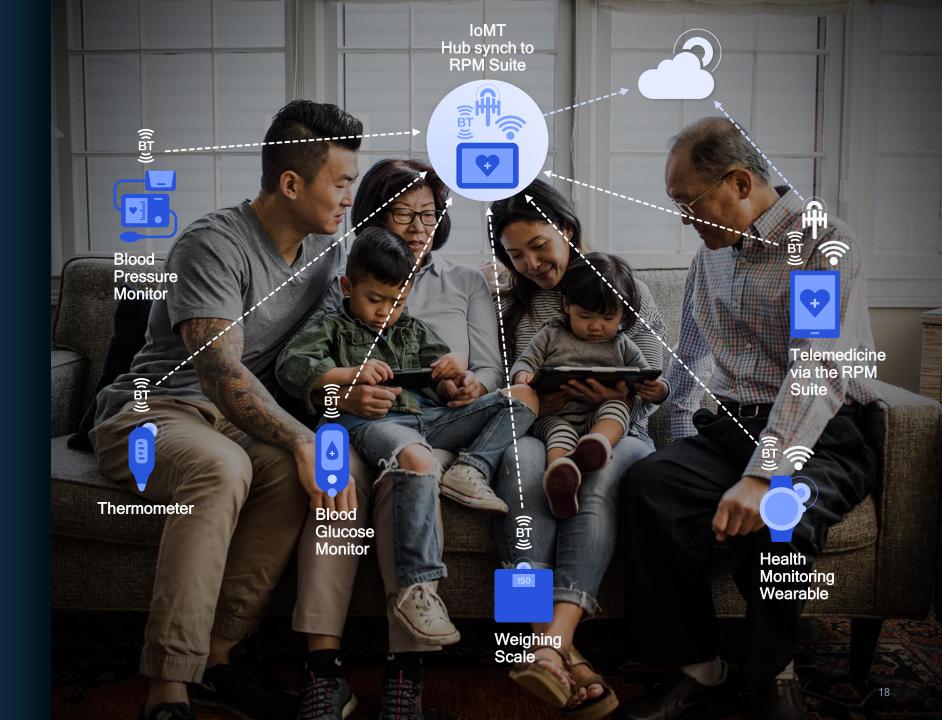
- Temperature monitoring
- Predictive analytics model to pre-empt excursions and take preventive action
- Edge intelligence stack that's expandable to future use cases (e.g., video analytics, fraud detection)
- Heterogenous connectivity for a global logistics management



# HaaS Healthcare as-a-Service

Accelerating the shift to Telemedicine

Remote patient monitoring touchpoints



### Tele-ICU

## Each room with above Integrated Smarts

### Internet of Medical Things (IoMT) Hub

- · Wi-Fi, BLE Enabled
- 30 day cache back-up function
- Interoperable and compatible with 95% of the ICU devices on the market.
- Bidirectional data capture and distribution, digitizing the entire ICU

### E-Clinic

- Dashboards providing all vital patient information
- Doctor/Nurse consultation Notes
- Remote Live Waveforms
- · EMR / EHR Management
- Instant Alarms & Consultation Broadcasts
- Available on web, mobile and podiums

### Al based Diagnosis

- Predictive Analytics Engine accurately predicts Sepsis, Septic Shock, Mortality, Length of Stay and Acute Kidney failure
- Al Based Sepsis Diagnostic Alert
- Predict the patient's trajectory based on data from other patients with similar conditions





### Smart Connected Spaces focus areas

### Qualcomm

## Thank you

Follow us on: **f y** in **o** 

For more information, visit us at:

www.qualcomm.com & www.qualcomm.com/blog

Nothing in these materials is an offer to sell any of the components or devices referenced herein.

©2020 Qualcomm Technologies, Inc. and/or its affiliated companies. All Rights Reserved.

Qualcomm and Snapdragon are trademarks or registered trademarks of Qualcomm Incorporated. Other products and brand names may be trademarks or registered trademarks of their respective owners.

References in this presentation to "Qualcomm" may mean Qualcomm Incorporated, Qualcomm Technologies, Inc., and/or other subsidiaries or business units within the Qualcomm corporate structure, as applicable. Qualcomm Incorporated includes Qualcomm's licensing business, QTL, and the vast majority of its patent portfolio. Qualcomm Technologies, Inc., a wholly-owned subsidiary of Qualcomm Incorporated, operates, along with its subsidiaries, substantially all of Qualcomm's engineering, research and development functions, and substantially all of its product and services businesses, including its semiconductor business. QCT.