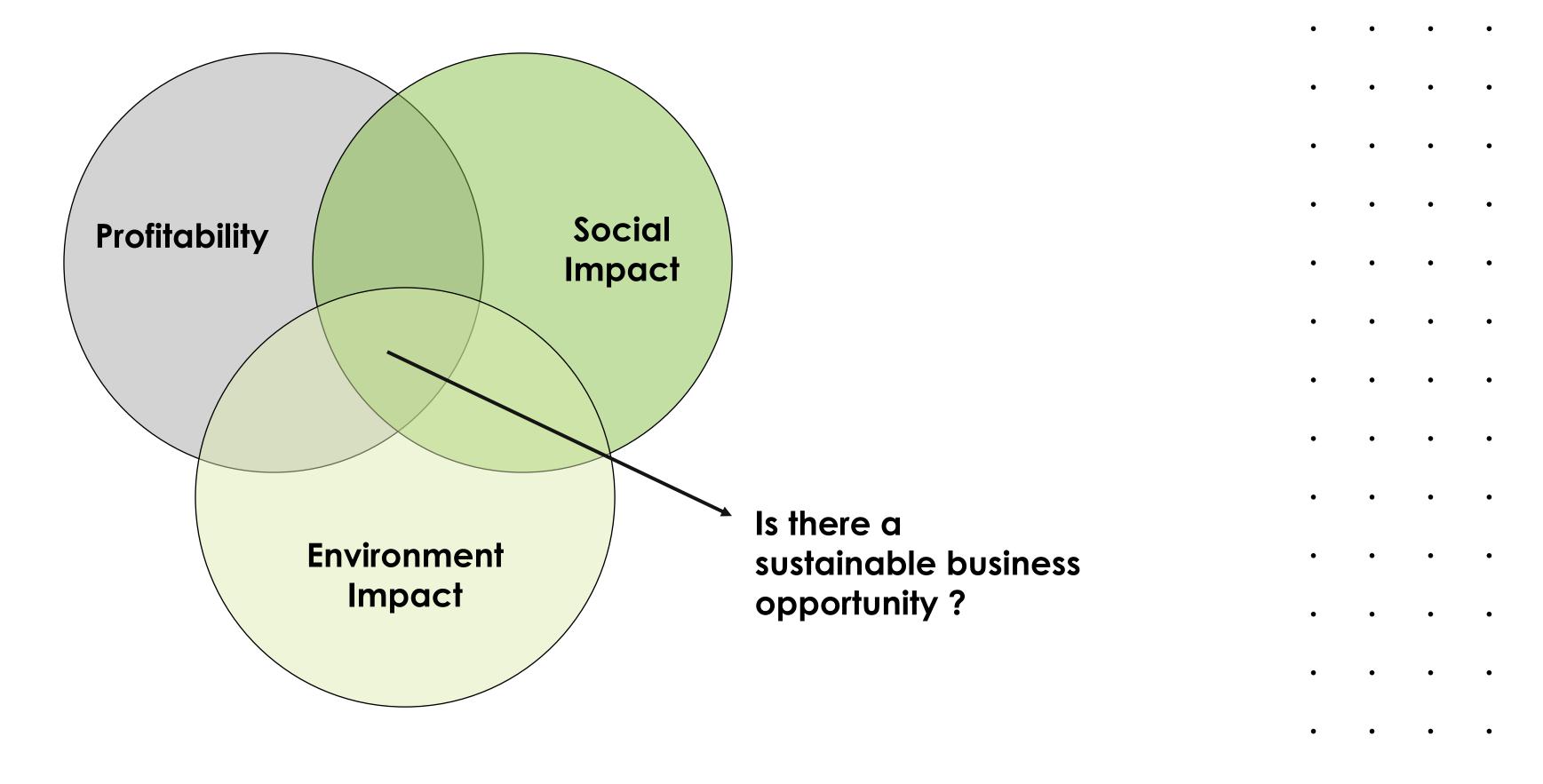


Can we deliver social impact and be profitable?







Challenges Faced by Cities

SOCIAL

- Rapid urbanization 2.5 billion people will move to urban areas by 2050
- Increased challenges traffic congestion; increased pollution; increased crime rates; demand for efficient public services

ENVIRONMENT

- Cities contribute to 75% of the global GHG, yet they occupy only 2% of Earth's surface
- Increased natural disasters and crises – flooding, pollution, landslides, draught

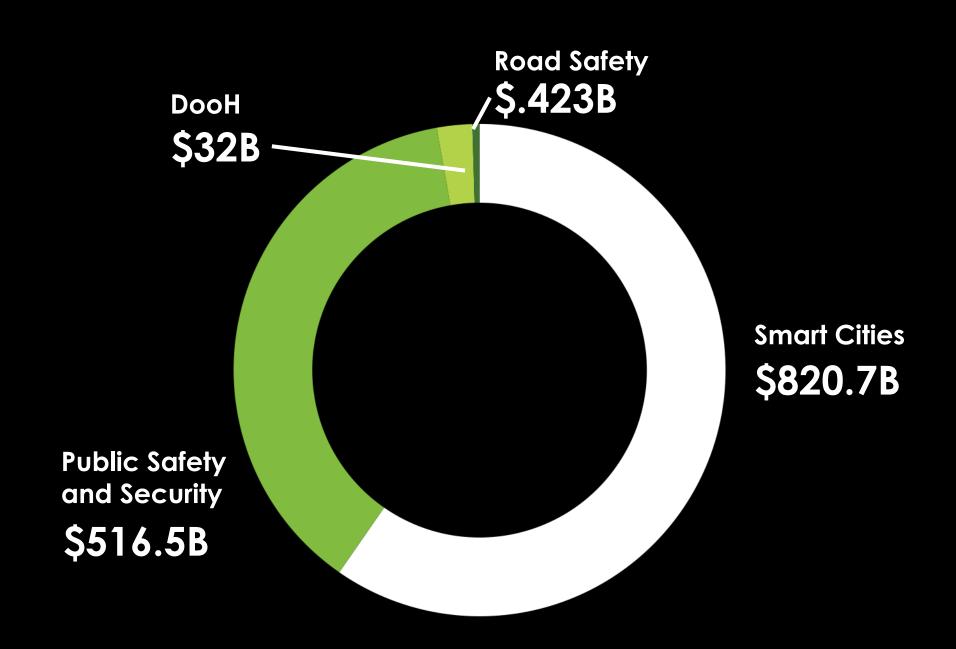
ECONOMIC

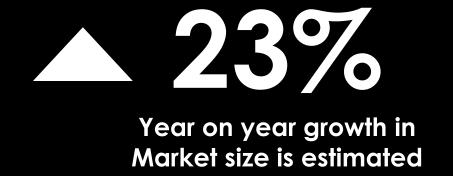
- City Administrations are faced with doing more with less resources – India alone needs India needs around USD 700 billion to boost its urban infrastructure
- Navigating geo-political issues
- Complex processes and procurement policies



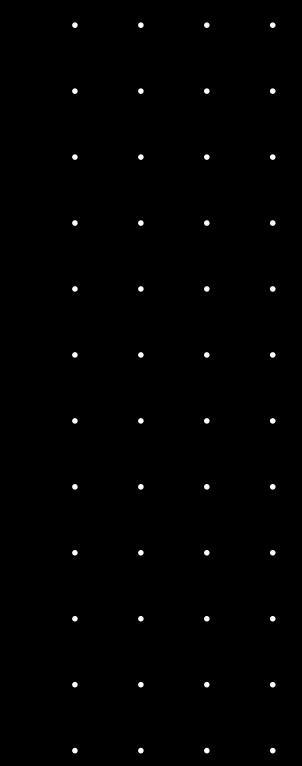
Smart City Development: A Trillion Dollar Opportunity















We Don't Sell. We Solve.

Instead of selling technology to customers and leaving them with the burden of achieving their objectives; at Quantela, we hold ourselves accountable to deliver the outcomes they are seeking.



Delivering Outcomes Through Our Offerings

Our Customers

(Cities, Governments, Public Spaces, Campuses, Utilities, Ports)

want to deliver outcomes that add value for their constituents

Monetizable Outcomes

- > Reduce Costs
- > Generate Revenue

We'll digitize and monetize your existing city/community infrastructure through our **Quantela Citizen Services offering.**

NON-Monetizable Outcomes

- > Save Lives
- > Smoother Traffic; Cleaner Air
- > Citizen Engagement
- > Better Experience



We will digitize and monetize alternative assets to help you delier your outcome(s) through our Quantela Lighting; Quantela Traffic or Quantela Digital Advertising offerings

Your Outcomes, Assured.



100+ Global City Deployments Across Six Pillars

Public Safety

Empowering law enforcement agencies through surveillance, video and data analytics, and Al capabilities to predict & avert urban crime and reduce response time in postvention

Hyderabad Smart City Project – Video Analytics Deployment

Traffic Management

Optimize & organize traffic to reduce travel time and increase safety of the commuters

Waste Management

Enable litter-free neighborhoods by providing efficient waste collection. Improves citizen health through air and water monitoring.

Water Management

Measure and monitor the quality of wastewater discharge to improve the health of water bodies in the city in compliance with pollution norms

Lighting

Solutions reducing streetlight energy usage by up to 30% through adaptive dimming; improve operational efficiency through effective asset monitoring and management, reducing maintenance cost by up to 50%

1.2 Million Connected street Light solutions to over 200+ cities

Parking

Our parking management solution reduces time spent locating available parking spaces, reducing time spent in traffic; thereby reducing carbon emissions





Challenge

- > Upgrading State Highways on par with National Highways
- > Overall investments that can pay for itself
- > Reduce incidents on the road and improve turn around time of patrolling and medical units

Quantela Solution

- > 14 District control centers
- > 4 mobile speed violation systems; Better enforcement through deploying AI cameras allover Kerala in 700+ locations.
- > Cameras will capture violations and automatically report to server and issue challan.

Quantela Outcomes Delivered

- ✓ Partnered with KELTRON & Motor vehicles department of Kerala to develop in house tech
- ✓ Over 70% of the Cameras are installed;
- ✓ Automatic challan issue has reduced violation trends
- ✓ Improved response time of ambulances and patrol units in case of incidents

14

District Control Centers 700+

Al based Cameras Installed 4

Mobile Speed Violation

Q

Specific customer names removed Traffic & Safety solutions in Middle East

Challenge

City wanted to ensure better traffic flow and safety of school children in a city

Quantela Solution

Quantela helped mount cameras on top of school buses. Through video analytics we helped integrate, analyze and provide real time ticketing of violators around the school buses. Quantela also digitized selected traffic corridors to understand the traffic density patterns, providing solutions to increase the speed and reduce the journey times.

Quantela Outcomes Delivered

Reduced incidence of violations, improvement of traffic flow during morning peaks and reduced traffic accidents

100,600 Violations Reported

95%

2000+

ANPR

Active Units



Specific customer names removed

City solutions in the USA

Challenge

The Federal Govt. had earmarked certain areas for economic development. Children were scoring low grades due to lack of internet and connectivity. Residents too had limited opportunities for growth

Quantela Solution

Quantela designed the strategic placement of sensors in 8 earmarked areas for development to improve internet access. As part of the deal, savings from smart lighting as well as Federal grants were ploughed to pay for the set up of Wi-Fi.

Quantela Outcomes Delivered

In June 2020, the city received \$40 million worth of Opportunity Zone investments from Erie Insurance and the Erie Community Foundation backed Arctaris Impact Investors. The city has also received a \$500,000 grant from the Appalachian Regional Commission for the project post the deployments.

8

160

\$40 M

Opportunity Zone

Investments

\$ 500,000

Additional Grants from

Earmarked Access points Areas

Additional Grants from Regional Commission



Unlocking the Value of Data

Data sharing and management across multiple IoT sources using the same IP to reduce development costs and time to market.



Quantela Platform – Key Components

Automation Engine & Recommendation Engine

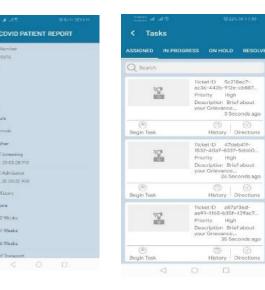


- Real-time Dashboards
- Video Analytics
- Standard Operating Procedures
- Alerts & Notifications

- Al based Recommendations
- Orchestration and Integration of multiple data sources
- Bi-directional communication
- Business Intelligence

Field Officer



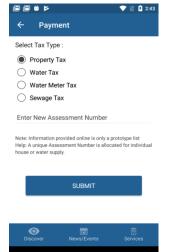


- Real-time interactions with command centre
- Incident handling
- Workflows & Standard Operating Procedures
- Collaborate
- Receive Alerts & Notifications
- Ground situation report
- Collect Data offline and online



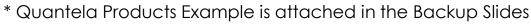






- Emergency helplines
- Complaints and grievances
- Utilities payment
- City Announcements
- News and Events

- City Tourist Guides
- Smart Solutions
- Government Services
- Offers and Deals
- Notifications





Quantela: Technology Evolution

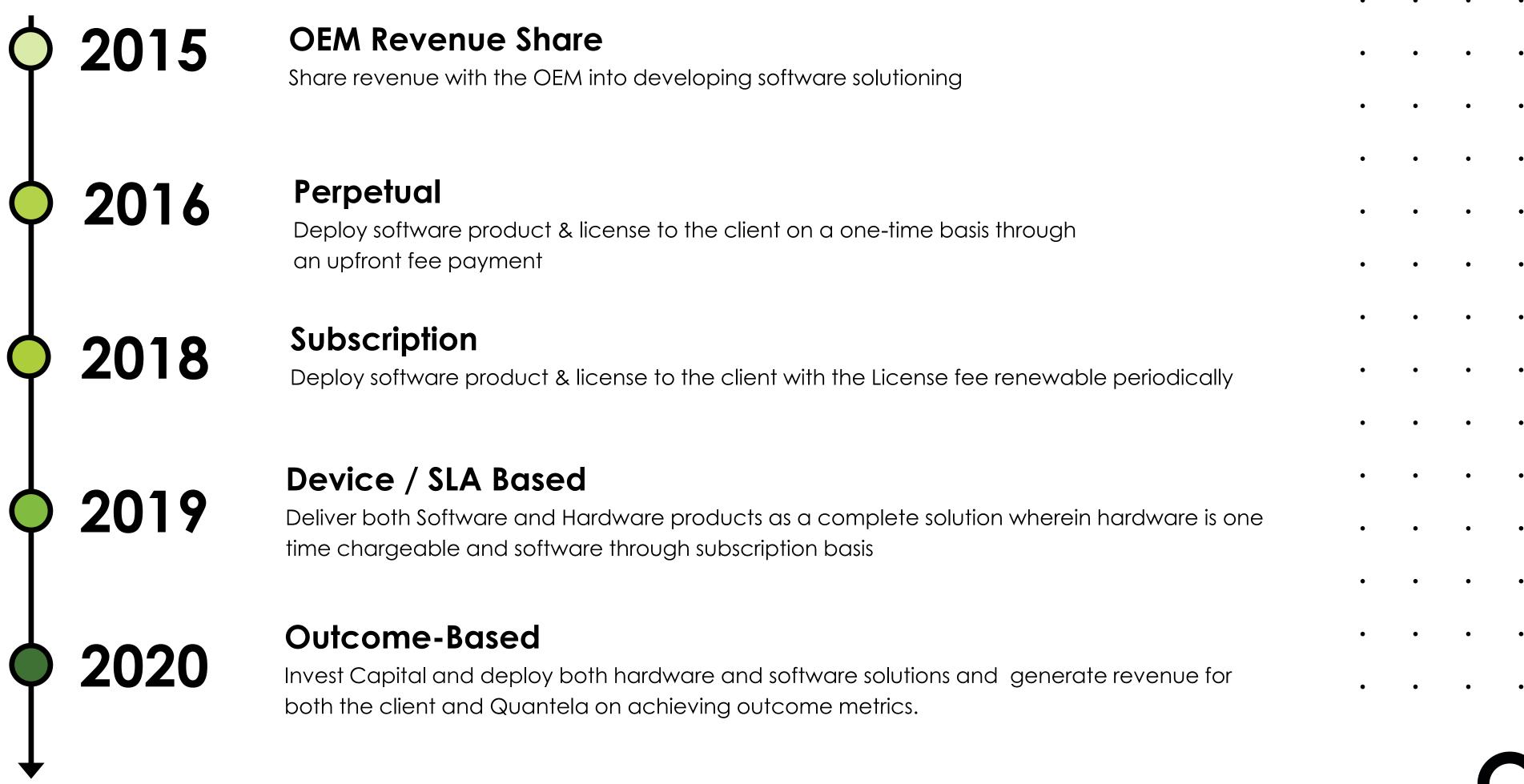


Quantela: GTM Evolution Services - Partnering with OEMs to deliver software solutions for support SI, Urban Operators & Telecom Operators 2018 Develop capabilities of systems integrator and deployed CISCO's hardware solutions Partnered with Urban Telecom Operators - Acquisition of System Integrator & developed capability to design and deploy Software & hardware 2020/21 **End-to-End Outcome based Solutions** - The One stop shop for Smart city solutions: Develop capabilities across the smart city infrastructure sector - Acquisition of a leading company into of Digitization of Land records across Urban and Rural areas for efficient management & maintenance of land use

- Digital Out Of Home (DOOH) Advertising through targeted AI based video analytics



Quantela: Pricing Evolution





Quantea



