



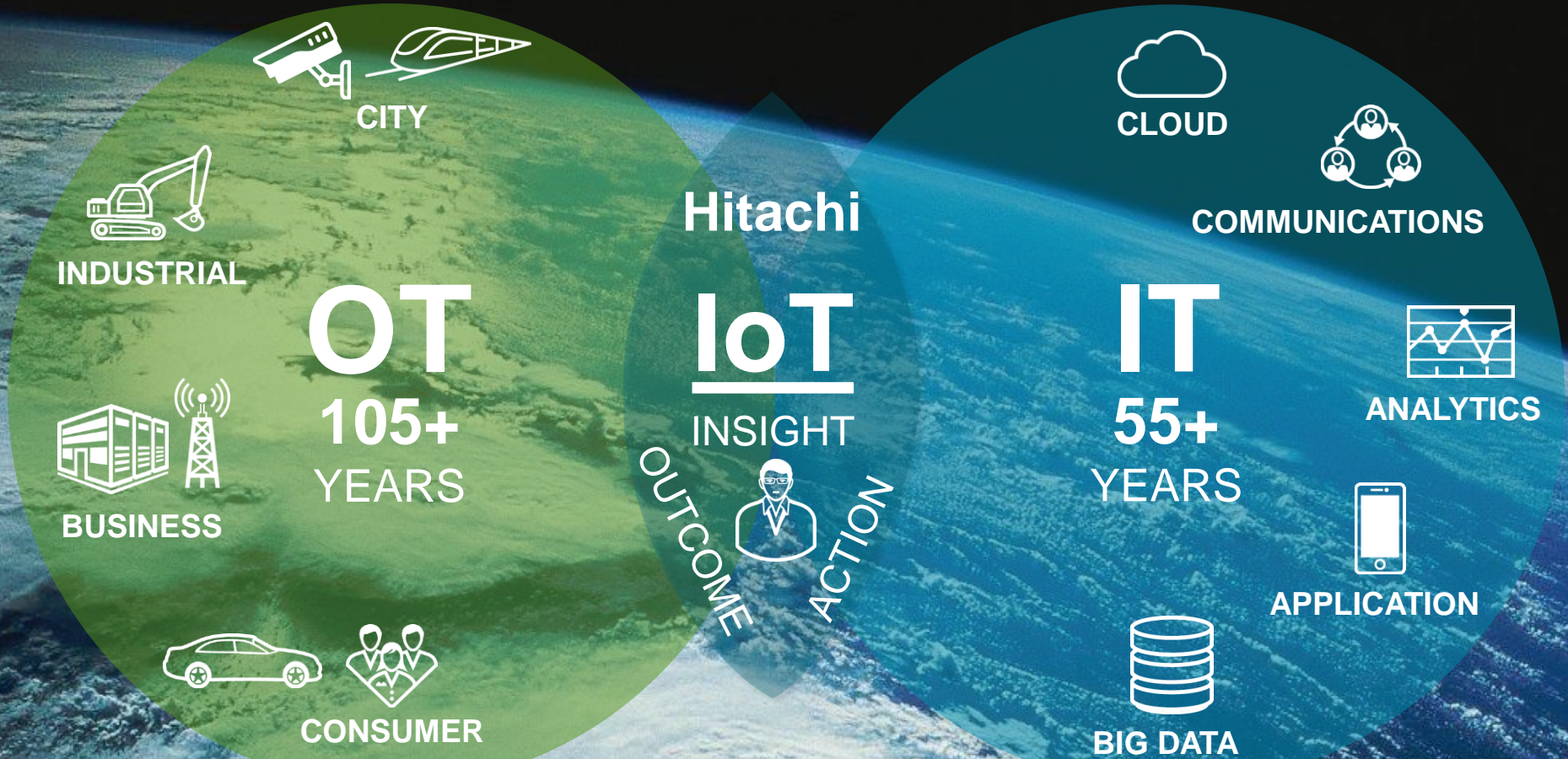
Hitachi – City of Boston Smart Utility Presentation

Chris Dziekan - VP, Chief Strategy Officer

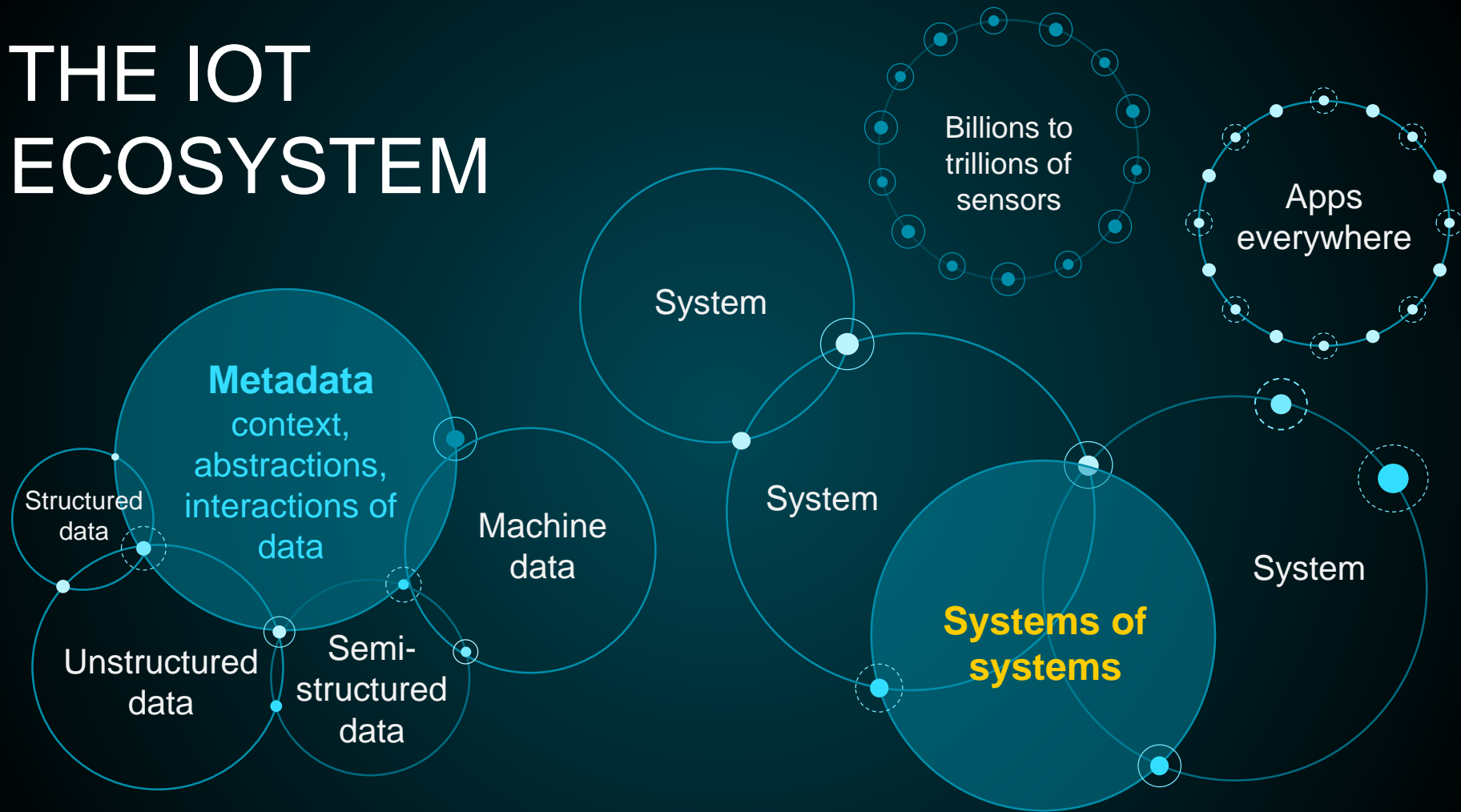
Hitachi Insight Group

May 25, 2016

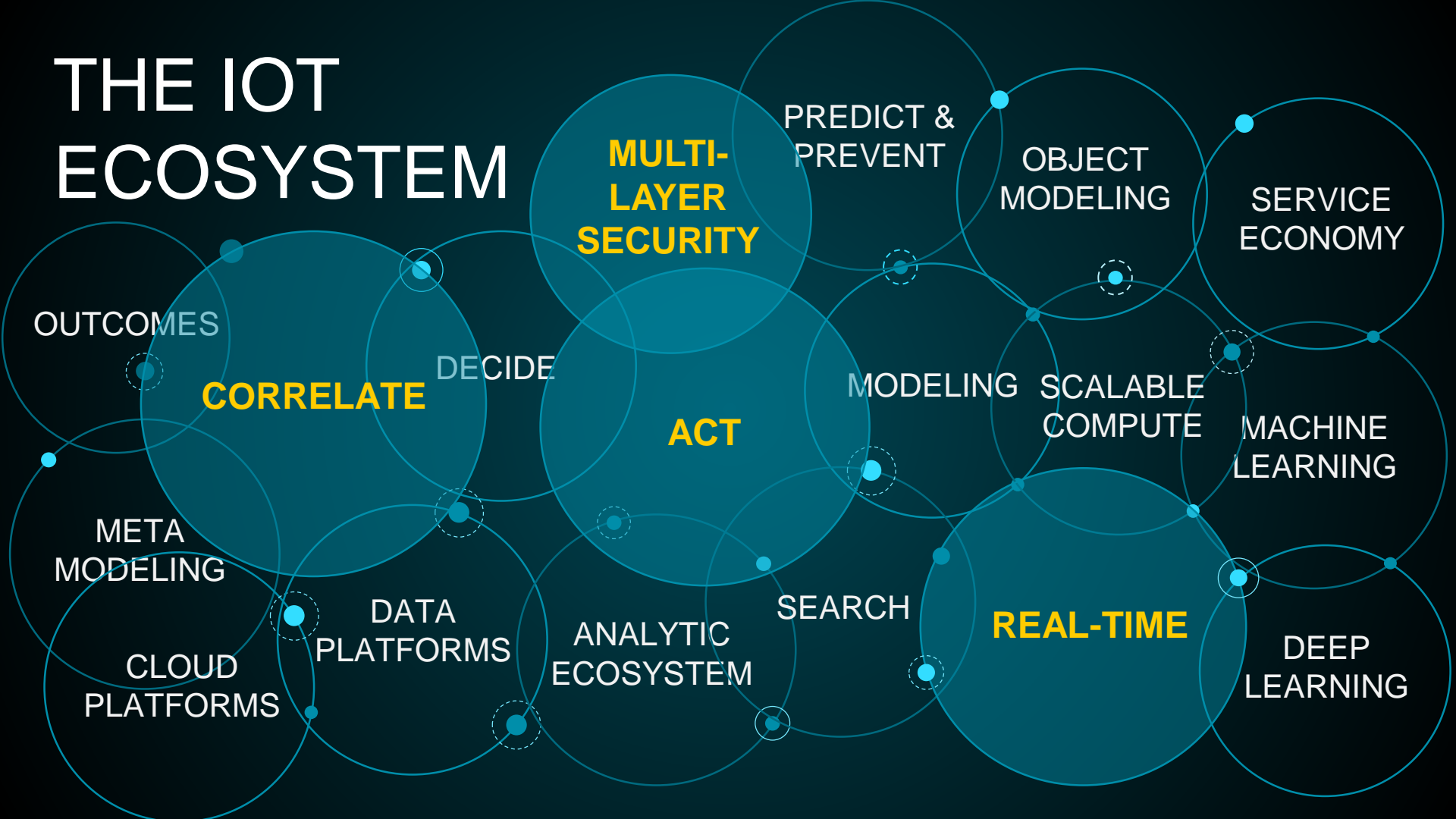
IoT is the Integration of Two Worlds



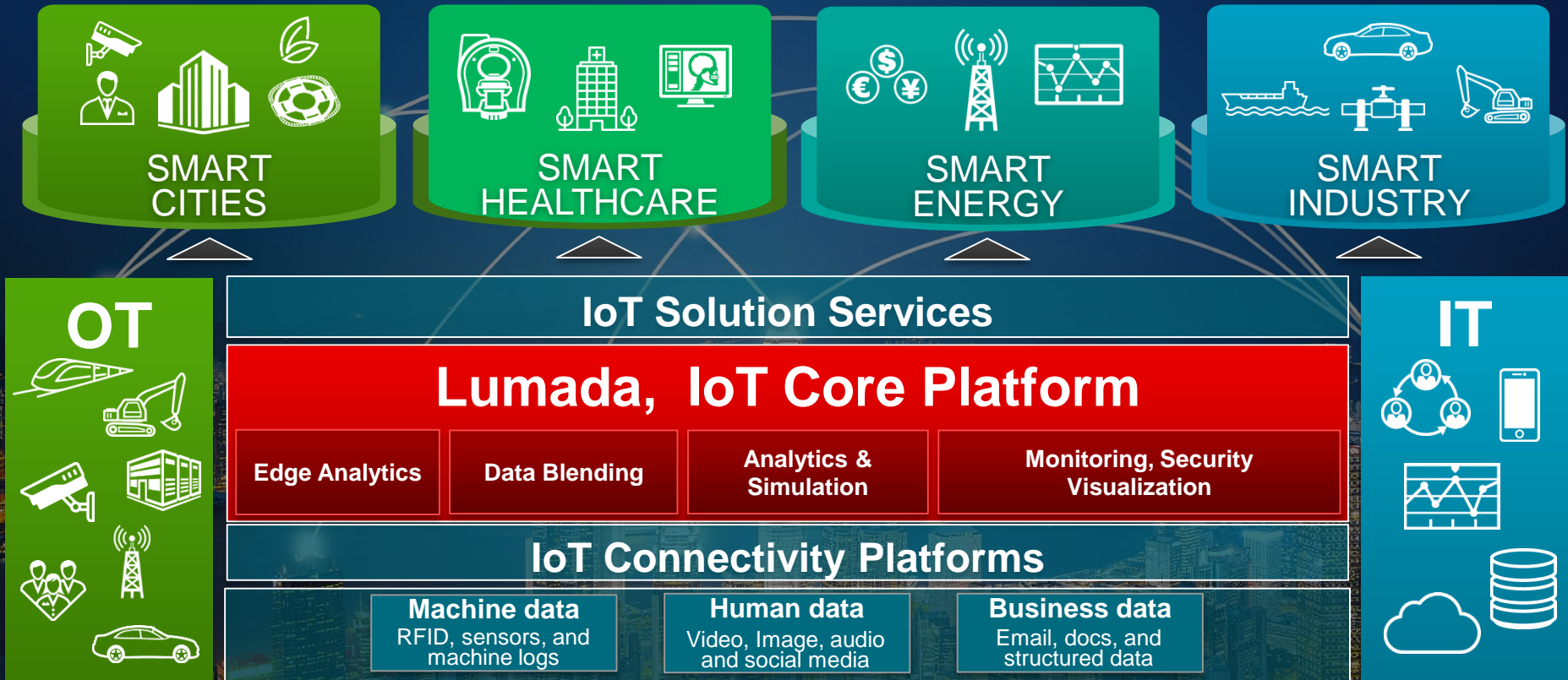
THE IOT ECOSYSTEM



THE IOT ECOSYSTEM



Hitachi IoT Core Platform and Markets



Comprehensive Smart City Solutions



Mobility

- Fleet Management / Connected Car



Citizen Communications

Communications

- Ambient Citizen Experience
- **Journey Insight**



City Safety

- **HVS Public Safety**



Buildings

- Energy Savings as a Service
- **Energy Insight**



Energy

- Microgrid



Water

- Water Management / Leakage Detection
- Water Treatment



City Data Exchange

City of Copenhagen Case Study

Carbon Neutrality by 2025



Mobility



"Green and Comfortable Transportation"

- City of bikes
- ITS
- Mobility Management
- Copenhagen Connecting



Energy



"Carbon-neutral city"

- Smart meter by 2020
- Wind turbines
- Biomass in power plant
- Smart Cities



City
Admin



"Lower energy consumption"

- Buildings
- Transport
- Procurement
- Street Lighting

Big Data Digital Infrastructure

CDE – From fragmented open data landscape to one-stop-shop for Public and Private Data

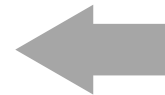


Eliminating silos in city data landscape

Fragmentation to One Stop Shop for Public & Private Data

Private sector data:

- Telecom
- Financial
- Transportation
- Energy
- Retail
- etc.



Existing open data:

- City
- Danish environmental portal
- Rejseplanen – Metro/Bus
- DMI - Weather
- Bicyklen (“City Bike”)
- VirkData (National business registry data)
- Datafordeleren (“Data Distributor”)
- etc.



Data from projects:

- Universities
- City / Smart City
- NGOs
- etc.

CITY DATA EXCHANGE

HITACHI
Inspire the Next

CITY DATA EXCHANGE
COPENHAGEN

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Copenhagen's Innovative Big Data Platform

92,353.210.543

GET STARTED

WHAT YOU CAN DO



EXPLORE DATA

Search for data, preview data, view on a map and subscribe.

GET STARTED



CONSUME DATA

View all datasets you have subscribed to or purchased.

GET STARTED



PUBLISH DATA

Data you wish to make available to the market, or sell to potential consumers.

GET STARTED

DATASETS

Dataset 1

Donec et sed non eu porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod.

Dataset 2

Donec et sed non eu porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod.



CITY DATA EXCHANGE
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Your criteria returned 32 results:

Sort by: Published Date

Valentino Baptista

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Consume Data

Publish Data

Shatheesh Free Dataset

Copenhagen Transport Modes with larger nam...

Copenhagen Transport Modes

Dataset Electricity

Dataset Showroom

Copenhagen Bus

Main Menu

Datasets

Showcases

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Publish Data

Shatheesh Free Dataset

Copenhagen Transport Modes with larger name and stuff

Copenhagen Transport Modes

Shatheesh Free Dataset

Copenhagen Transport Modes with larger name and stuff

Copenhagen Transport Modes

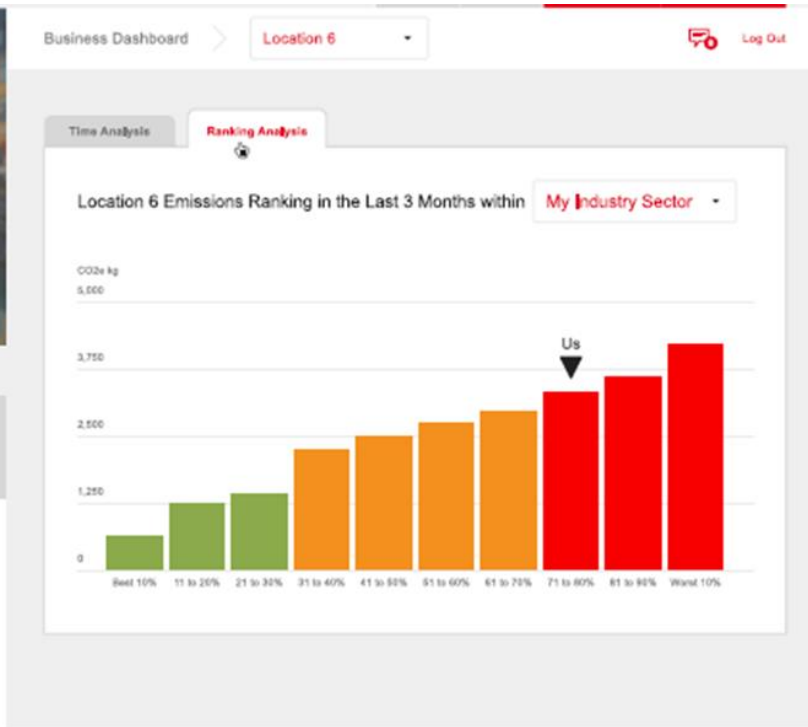
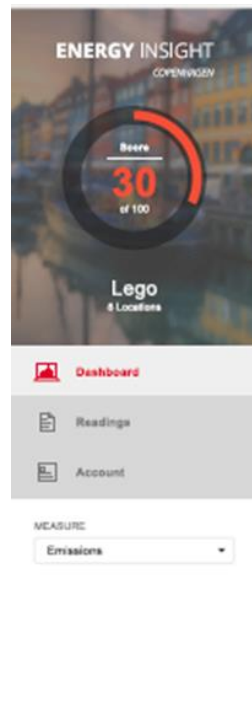
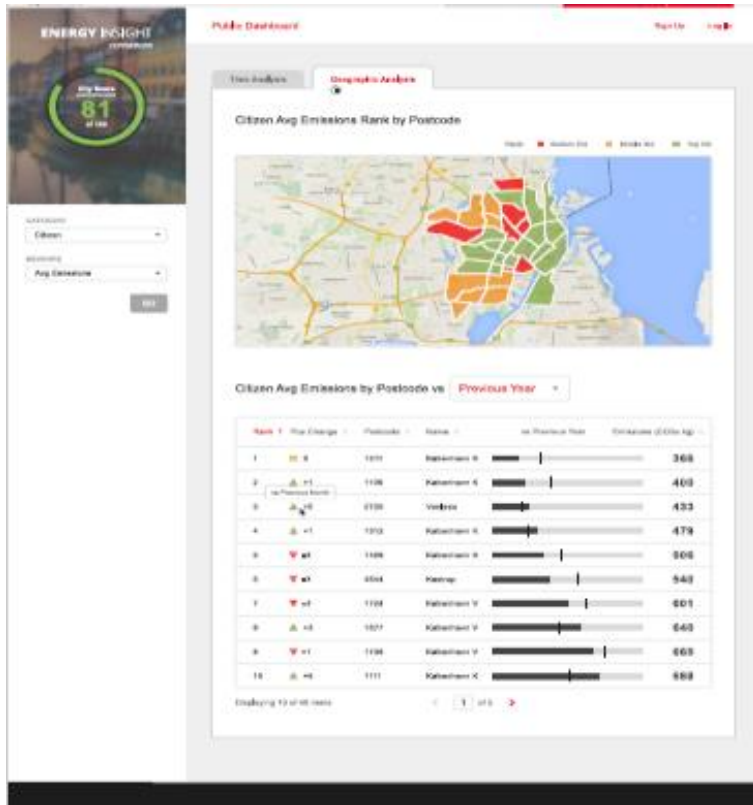
Main Menu

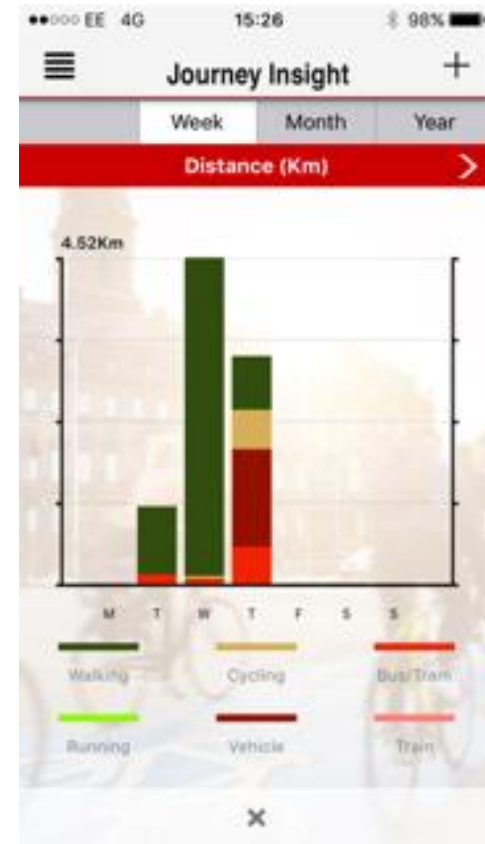
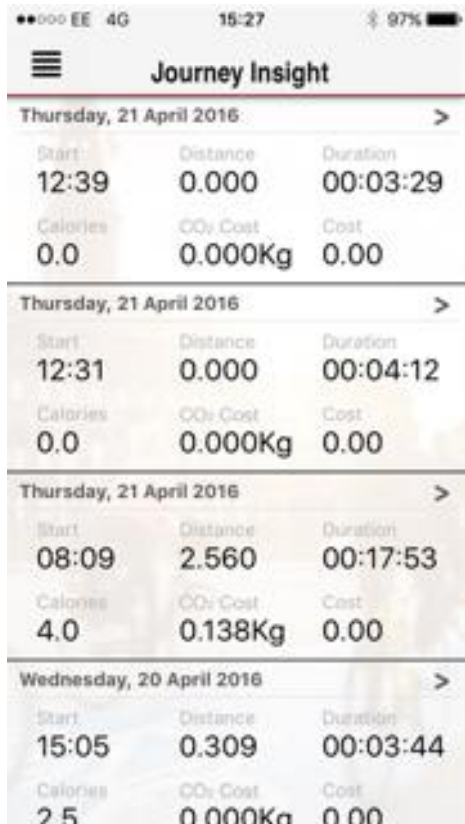
Datasets

Showcases

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Appendix

Connected Intelligence: Enhancing Public Safety With Hitachi Visualization

HITACHI
Inspire the Next

Public Safety



OUTCOMES

- Live situational awareness, tactical intelligence
- Easier collaboration between agencies
- Reduced labor and increased effectiveness

SOLUTION

- Centralized real-time analysis and visualization
- Adaptable to ingest numerous data sources
 - Video, social media, sensors, GPS
- Evidence management from ingest to analysis

VIDEO ANALYTICS

BIG DATA
ANALYTICS

EVIDENCE
MANGEMENT

Washington DC (Business Improvement District)

- **City's Challenge:**

- Disparate systems and lack of situational awareness

- **Hitachi Public Safety Solution:**

- Integrated new and existing cameras, gunshot detectors, license plate reader, 911 systems
- Single view from anywhere
- Teaming with private entity's Video Mgt. Systems using Private-Public Partnerships



Business Improvement District

