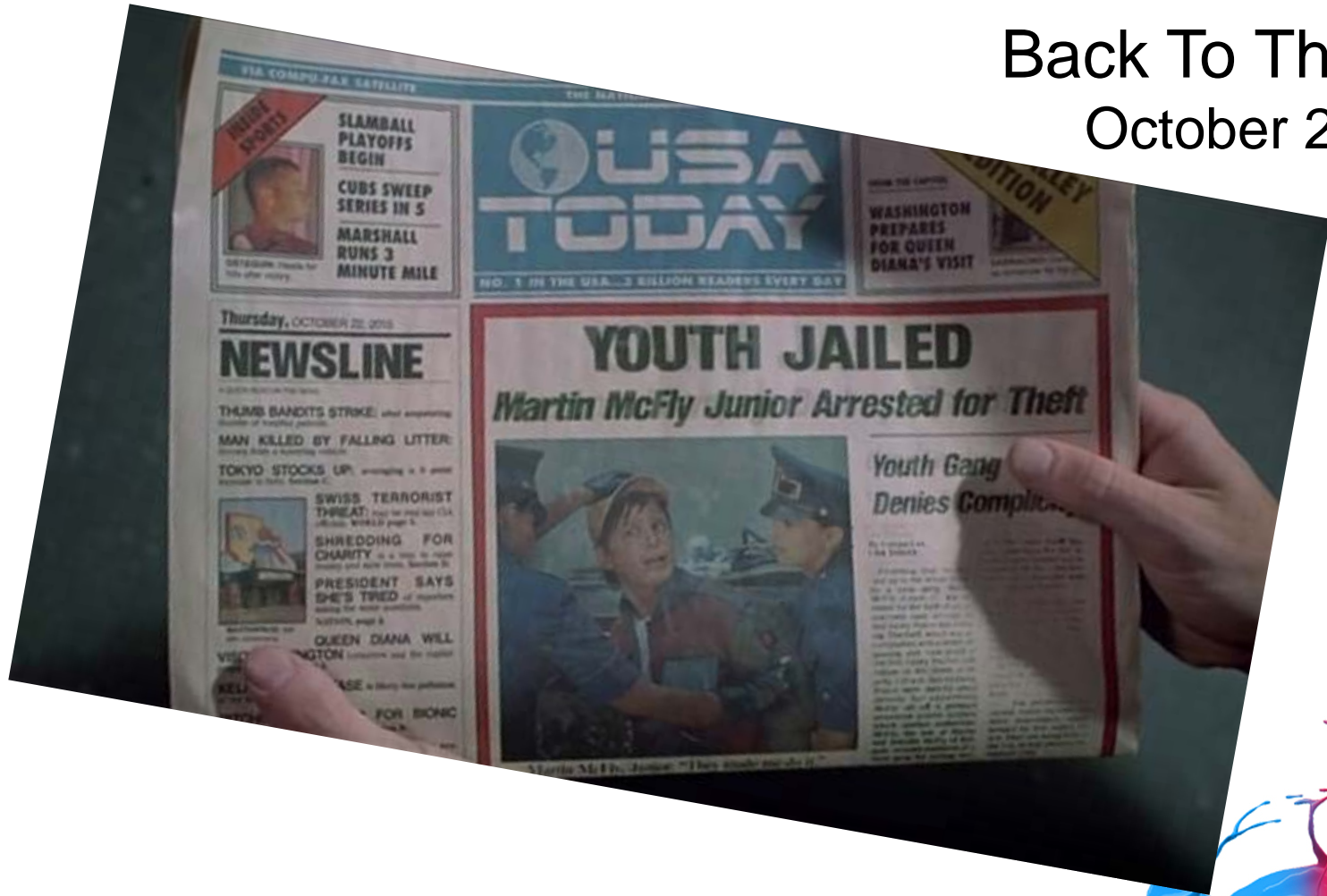2015 Local Government Alumni Conference:
Back to the Future

Exploring What's Ahead for Local Government Smart Infrastructure Panel
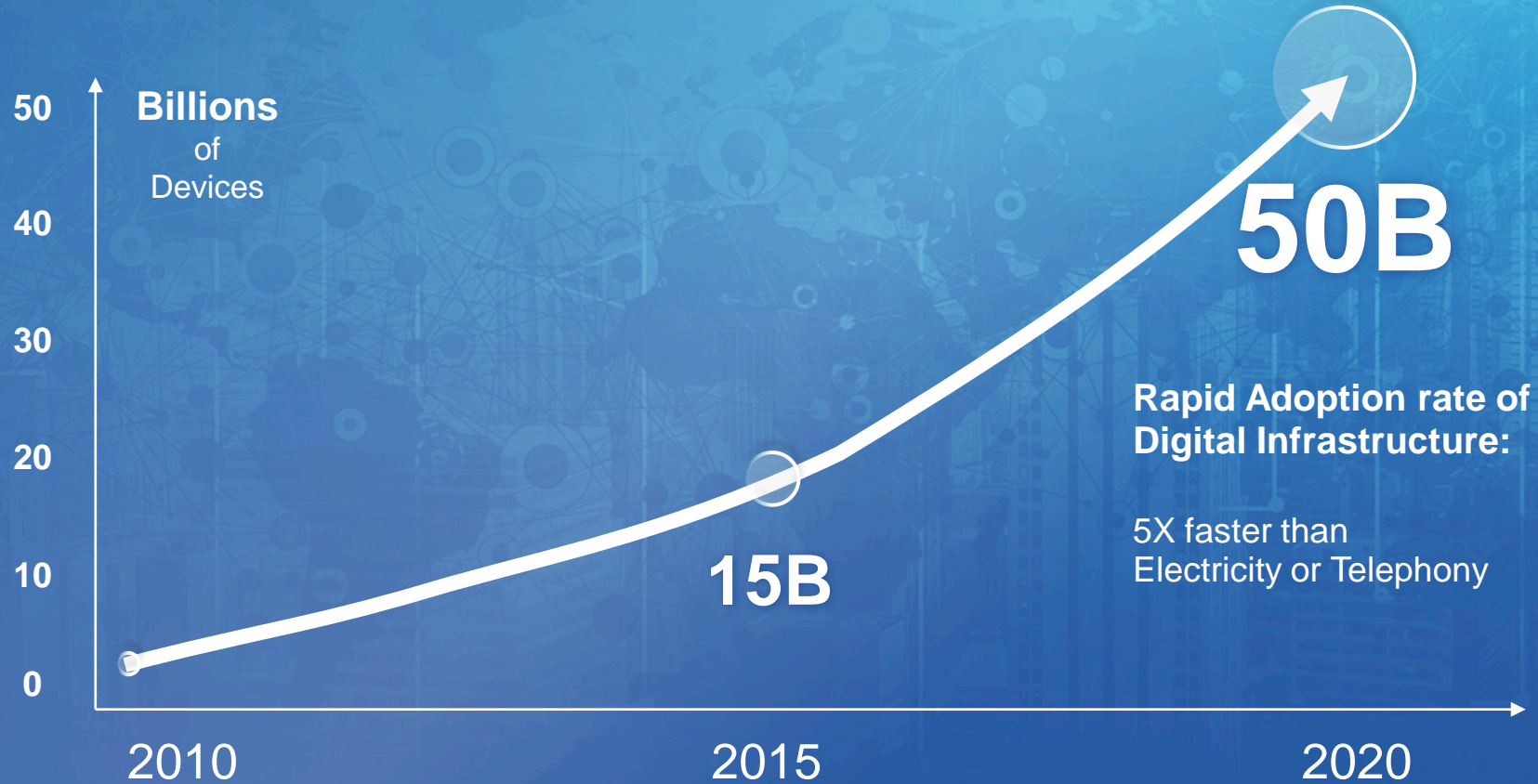
Ron Gordon

Business Development Smart +Connected Communities
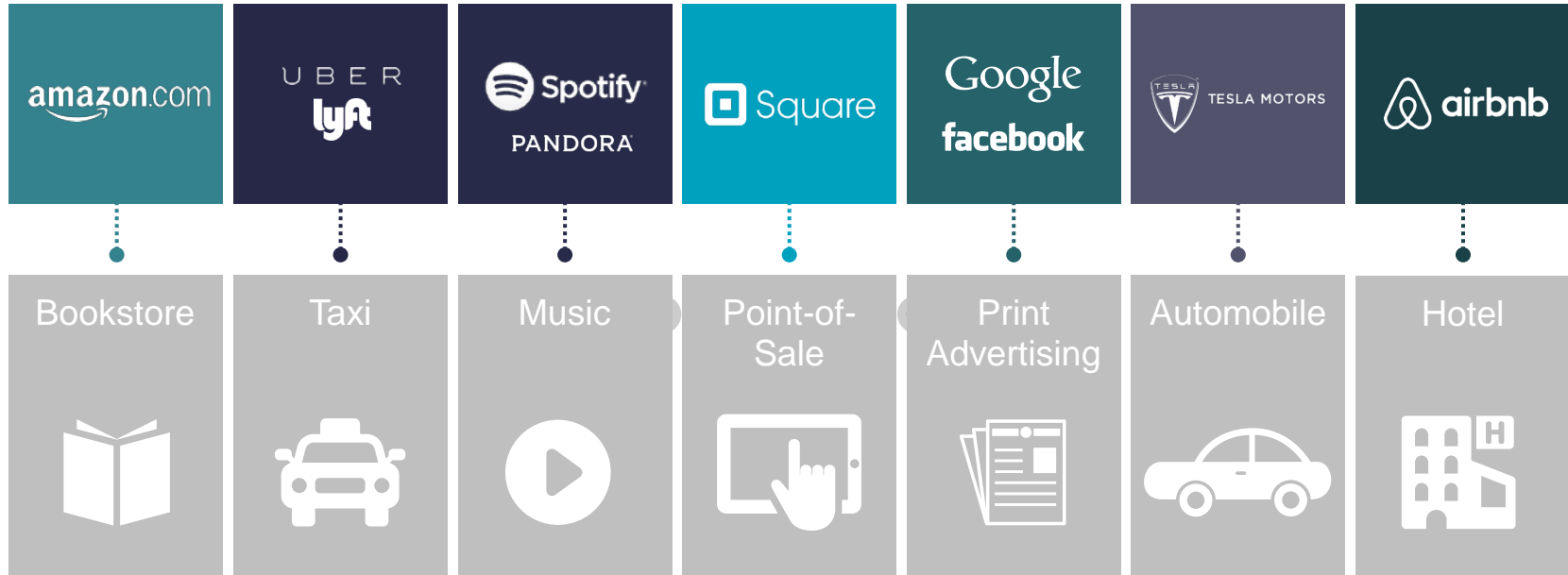
Cisco Canada

Back To The Future
October 22, 2015

Everything Is Connecting to Everything

Billions of Devices

50B

15B

Rapid Adoption rate of Digital Infrastructure:

5X faster than Electricity or Telephony

2010   2015   2020

Market Changes…
Digitization of Business is Creating the Digital Economy

Bookstore	Taxi	Music	Point-of-Sale	Print Advertising	Automobile	Hotel
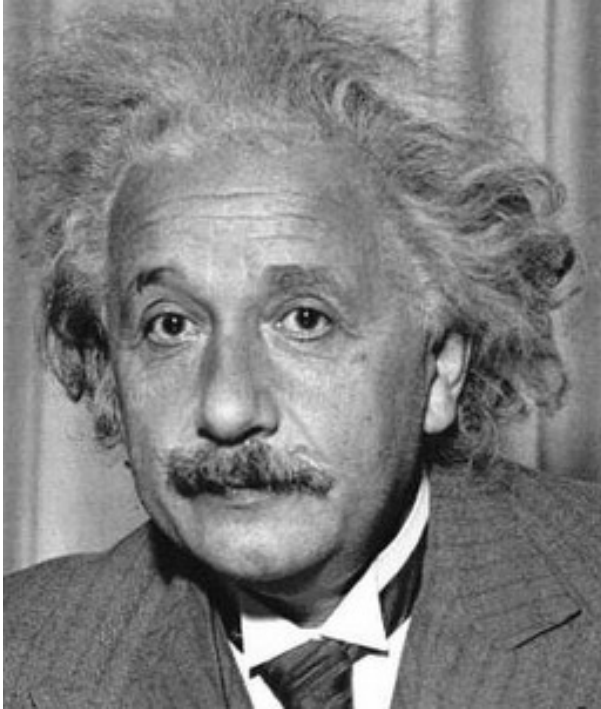
The purest form of insanity is to leave everything the same and the same time hope that things will change.

Albert Einstein

The world is changing:

From analogue to digital, from stationary to mobile, from historical to dynamic.
Offline is becoming online.
What was here and there is now everywhere.

Welcome
To the Digital Age

Top 10 Public Sector: Digitization / Internet of Everything Insights

1	Public sector organizations are among world's leading IoE innovators
2	Cities are using comprehensive strategies to generate IoE value
3	Powerful network foundation expands the art of the possible
4	Scalable pilot projects build support, momentum, and expertise
5	Data analytics magnify impact of digitization
6	It's an app, app, app, app world
7	Solutions must address people / process, not just data / things
8	Transparency and open data drive stakeholder engagement
9	Breaking down organizational silos is a catalyst for success
10	Senior leadership / tangible public benefits are essential for adpotion

Cisco Consulting Services

Port of Hamburg

Integrated Operation Centres

- Capture information from inbound ships
- Schedule cargo handlers
- Adjusts traffic routing in the port
- Reduce traffic congestion
- Increase port throughput
- Monitor environmental conditions

Smart Citizens

Revenue   Citizen Experiences   Jobs   Productivity   Cost Avoidance

Kattwyck bridge

Structural: Strain Gauges
Measuring the strain and stress on structural steel members.

Environment: Air Quality
Pollution level: NO, NO2, SO2, CO and PM10.

Structural: Tiltmeters
Settlements and relative displacements, tilt of piers and abutments.

Environment: Weather
Rainfall, relative humidity, air temperature, wind speed/direction.

Structural: Accelerometers
Vibration and dynamic responses due to seismic, wind and traffic loads.

Mississauga, ON

- City owned fiber connecting all public buildings
- Wired and Wireless City Network
- Connected Transit
- Dynamic Traffic Control and Connected Traffic Cameras
- Integrated Wireless with Sheridan College
- Smart Lighting

more to come…………..

Next Steps For: Implementing Your Own Digitization Program:

1 **Develop a strategic action plan to accomplish your objectives.**
Establish a process for prioritizing initiatives based on the problems that need to be addressed.

2 **Select technology partners who have both vision and expertise.**
Technology partners with expertise can provide skills, analytics capabilities and perspectives that can make your project more successful. Look for thought leaders

3 **Build the network foundation to run the business of the city, scale for multiple projects.**
For Digitization initiatives to succeed in the long term, public sector organizations need a strong network foundation.

4 **Launch pilot projects.**
Use pilot projects to share your Digitization vision, get buy-in, and develop expertise. Pilots should be scalable and have clear metrics of success.

5 **Be open to the possibilities.**
Try new things and do not be daunted by challenges. Once the building blocks of a solution are in place, benefits can come from unexpected places.

Cisco Consulting Services

We're making it
Happen!

Thank you