



[SMART CITIES]

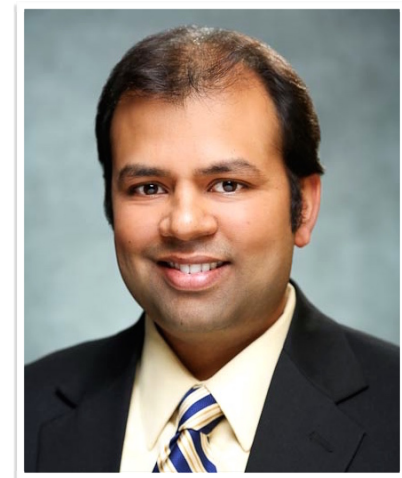
Making Them Happen!



 [@ricochetDenver](https://twitter.com/ricochetDenver)



 [@TreyCeeCO](https://twitter.com/TreyCeeCO)



 [@sumanthc](https://twitter.com/sumanthc)

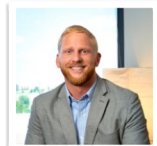
[#DENStartupWeek](https://twitter.com/hashtag/DENStartupWeek) [#colorado](https://twitter.com/hashtag/colorado) [#SmartCity](https://twitter.com/hashtag/SmartCity)



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Marty Skolnick



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#DENStartupWeek
#colorado
#SmartCity

FAIR WARNING!





Smart cities (recap)?

What have we done since then?

CO Smart Cities Alliance!

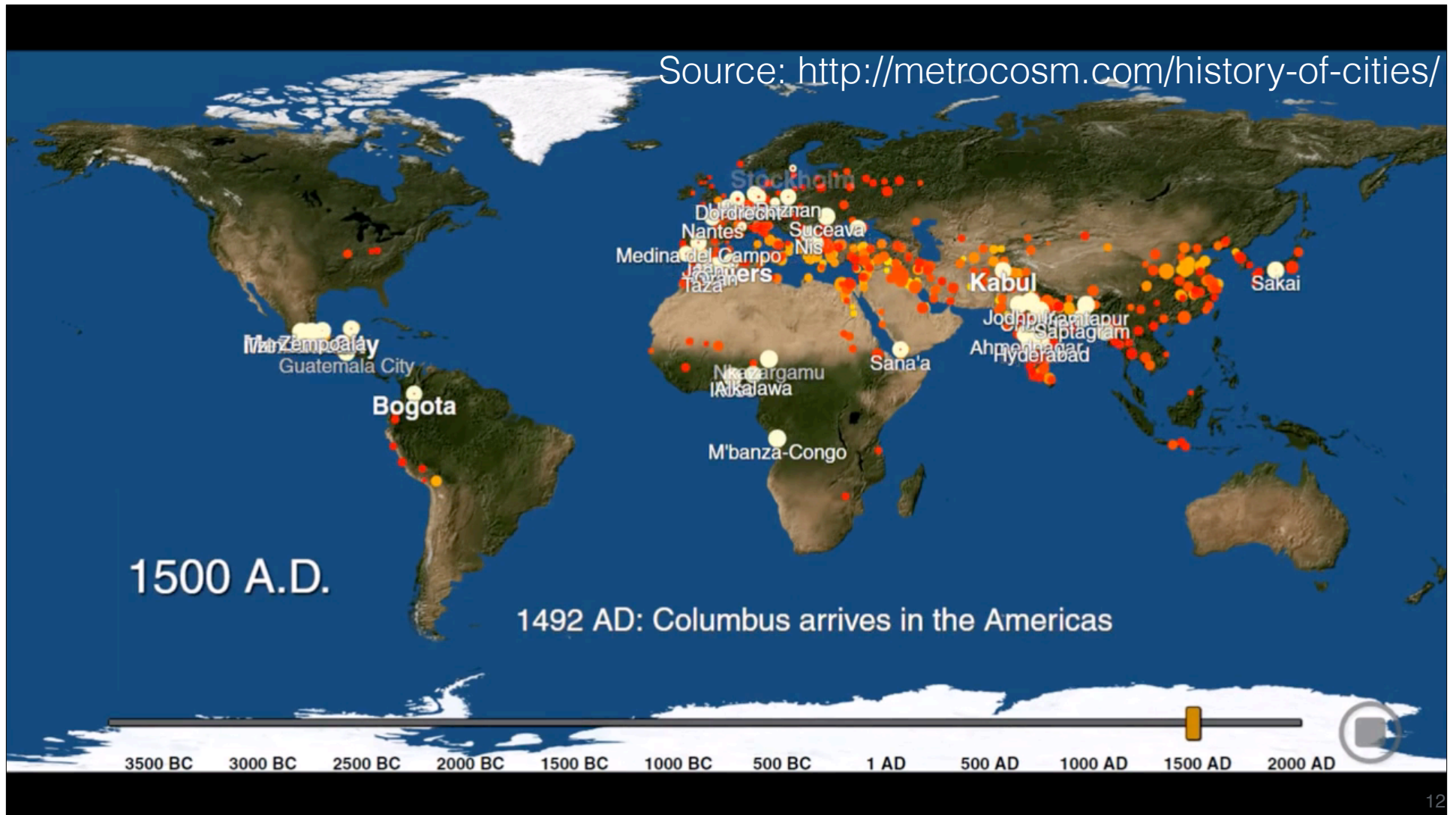
Who else is doing interesting work?

How to get involved?

Quick Reminder: Cities!



Source: <http://metrocosm.com/history-of-cities/>



“In 2008, the world is reaching an important milestone: for the first time in history, half of the world population will be living in urban areas.”



By 2050, 2/3rds will be in Urban areas!

An additional 2.5 Billion!



@sumanthc



Nvidia picks up Alibaba and Huawei a
TechCrunch - Sep 25, 2017
Nvidia's Metropolis AI **smart cities** platform
superman comics, but it's actually a GPU-ba



What will the **smart city** of the future look like?

Information Age - Sep 21, 2017

The possibilities for what can be achieved are endless, and the
exciting area where things will really start to take shape.

INNOVATION

city transit plans

Arrow Electronics, federal labs join smart c
Denver Business Journal - Sep 25, 2017

The term '**smart city**' technology refers emerging
infrastructure that collects data that allows commu



How can **smart cities** encourage public transit ridership?

TechTarget (blog) - 9 hours ago

The question
transit use -



Smart Cities Could Be Asset During Natural Disasters

R & D Magazine - Sep 25, 2017

Smart cities— where different utilities and services are interconnected via the
Internet of Things(IoT) — may be especially beneficial during ...

250
Shares



Smart cities vs. 'locked-in'

September 12, 2016 by Elena Veronelli

RI



Guide to smart cities in the Arabian Gulf: Why this is a re

ZDNet - Sep 18, 2017

The drivers for investing in **smart cities** across the Gulf region are
include the need to support rapidly growing populations, income ...

Smart Cities are the wave of the future

SmartBrief - Sep 25, 2017

But there's more to a **smart city** than just traffic control, including op
information (often created by citizens), public Wi-Fi and

"Smart City" Tech Should Tackle More Than Transit and Energy

Next City - Aug 30, 2017

"**Smart**" **cities** are reinventing themselves by taking a data-driven approach to
governing, but **smart city** technology has so far addressed only a ...

**Can San Antonio become a 'smart
city'?**

2017 budget plans on backing project with \$13 million





Value



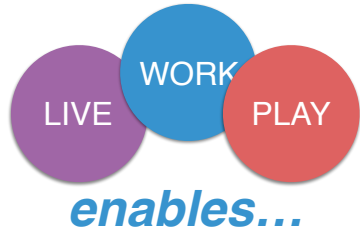
"Stickiness" ❤️



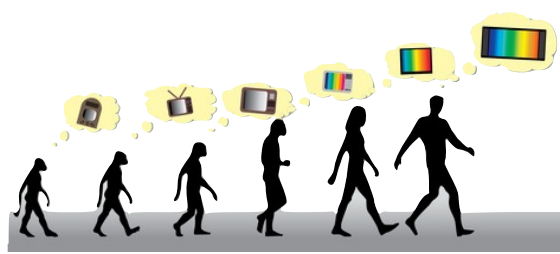
Differentiators?



Problems



embraces...



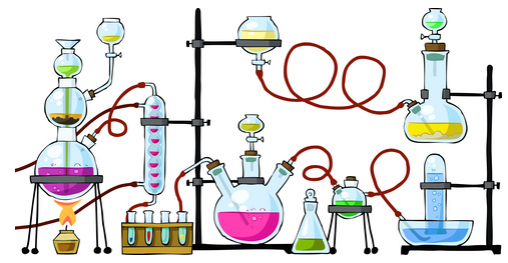
adapts...

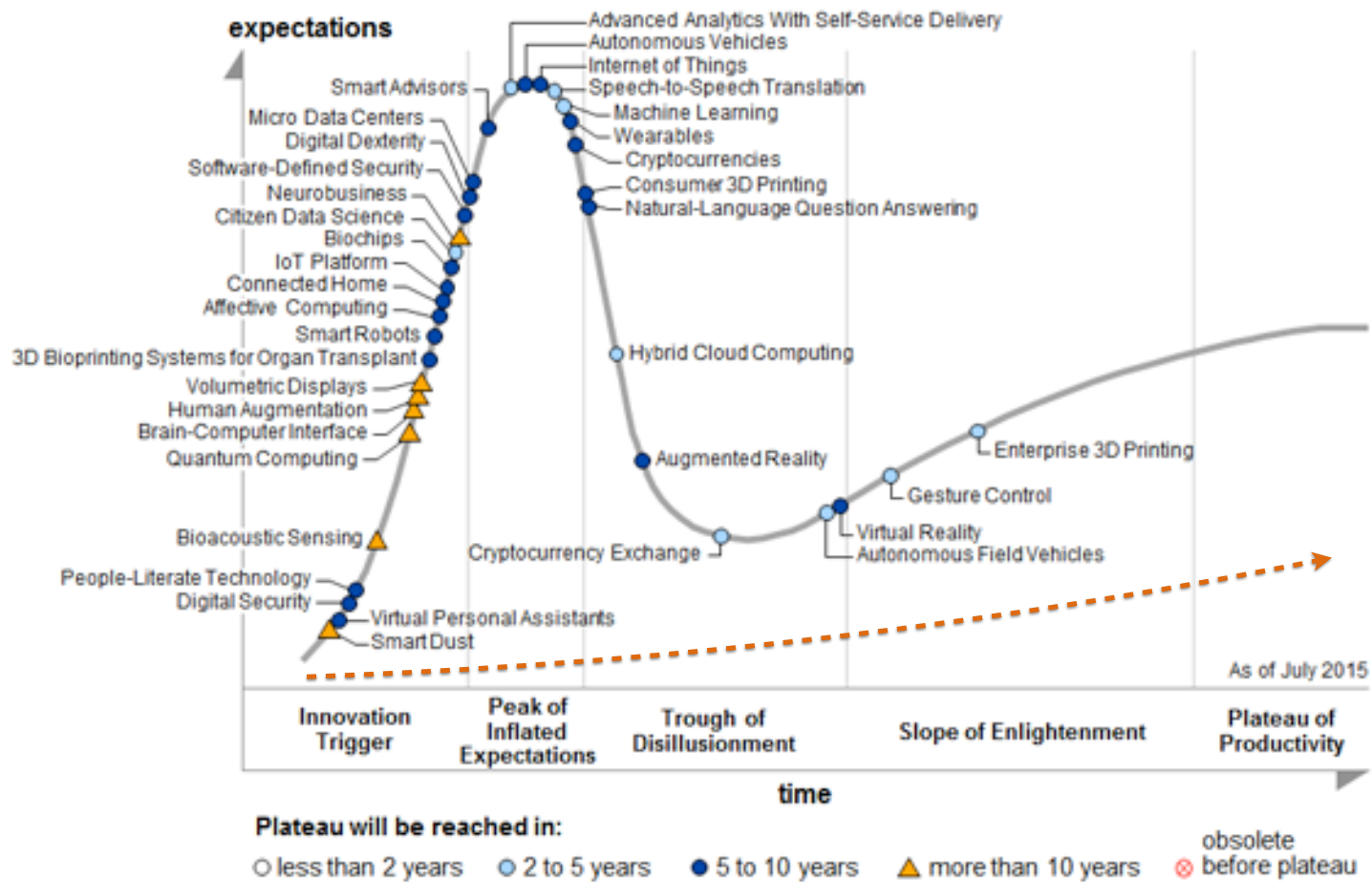


leverages...



experiments...





The Hype Curve from Gartner



Smart cities (recap)?

What have we done since 2016? 🤔

CO Smart Cities Alliance?

Who else is doing interesting work?

How to get involved?

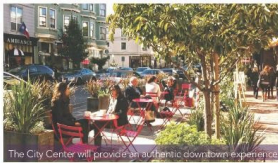


Meridian Business Park



One Bellevue Station

Densification and Transit Oriented Developments



The City Center will provide an authentic downtown experience.



Rail Stations will have bustling activity and individual character.

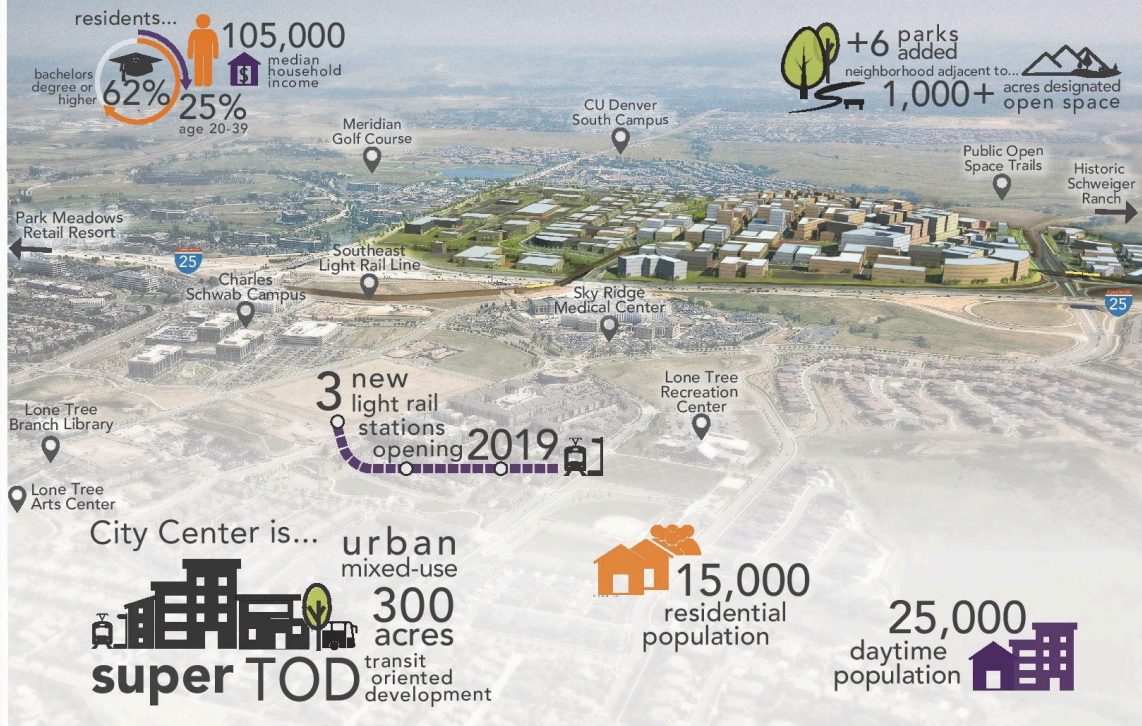


Unique outdoor spaces will give the City Center a sense of place.



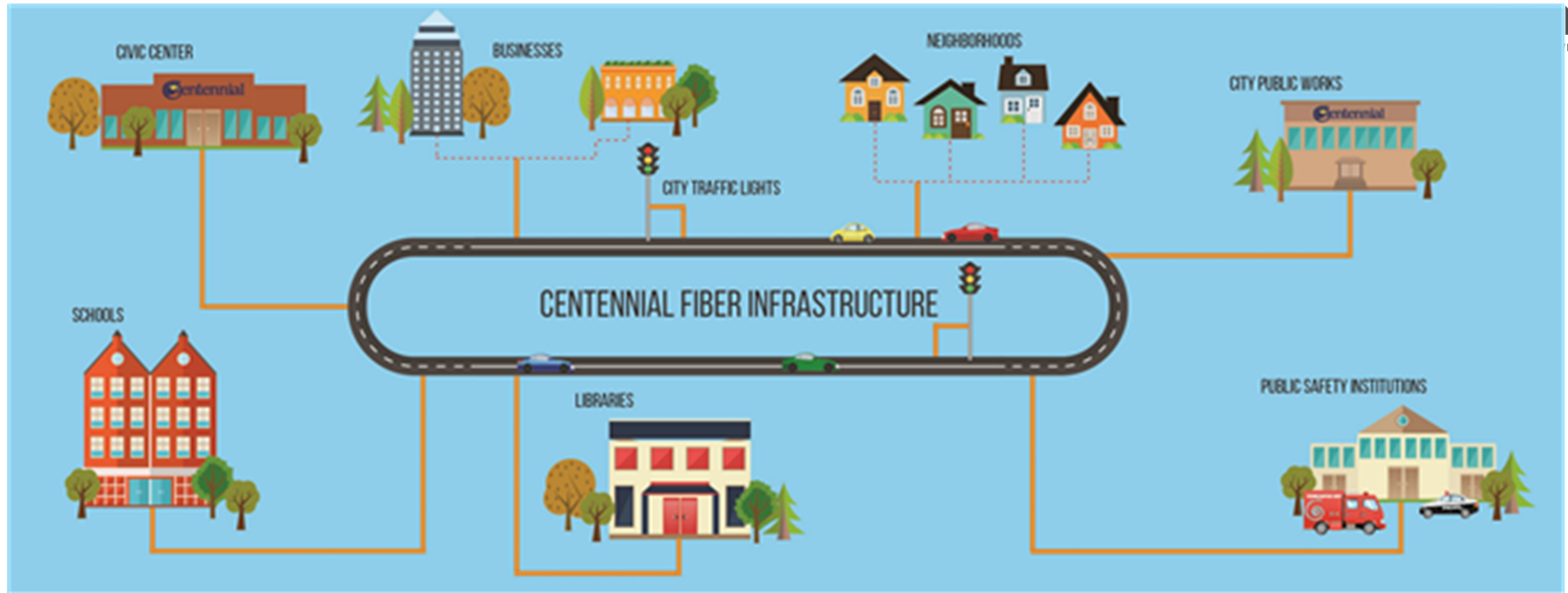
Prominent architectural forms will establish the City Center as a special and vibrant place.

The Lone Tree City Center will attract a critical mass of **people, places and smart city / Internet of Things (IoT) opportunities** that help to provide competitive business advantages and enhance quality of life. This eminently walkable environment will be stitched together with **great streets, vibrant parks and plazas**, and easy light rail transit and pedestrian connections.



The Lone Tree City Center





City of Centennial - Municipal Fiber Initiative





 [@TreyCeeCO](#)



Scott Blumenreich, Chief Innovation & Technology Officer (CITO)
City of Centennial | @cityofcentennial



 @TreyCeeCO

<https://youtu.be/qV-LI5dLGYA>



Scott Blumenreich, Chief Innovation & Technology Officer (CITO)
City of Centennial | @cityofcentennial



LONE TREE
Link
On Demand
Powered by UBER



On Demand Last Mile Solutions



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Scott Blumenreich, Chief Innovation & Technology Officer (CITO)
City of Centennial | @cityofcentennial



 @TreyCeeCO

<https://youtu.be/qzX8Omj18IU>



Scott Blumenreich, Chief Innovation & Technology Officer (CITO)
City of Centennial I @cityofcentennial



skydrop™



Smart Irrigation



CDOT Projects Recognized Among Best in the West for Transportation Technology, Innovation and Operations

DENVER—CDOT's use of technology and innovation to move traffic safely and more reliably earned top honors in the 2017 America's Transportation Awards competition this month.

Celebrating its 10th year, the competition attracted 30 project nominations from 12 Western states. CDOT received three awards:

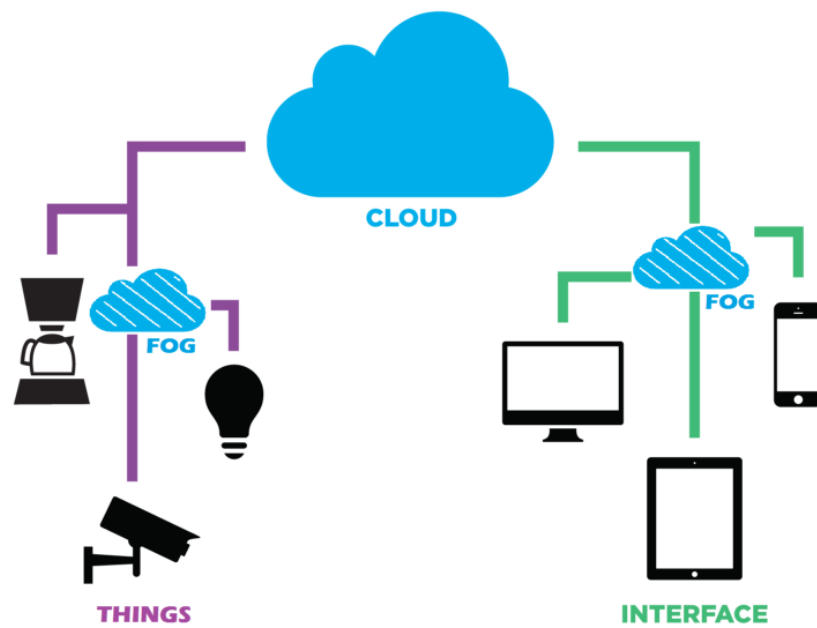
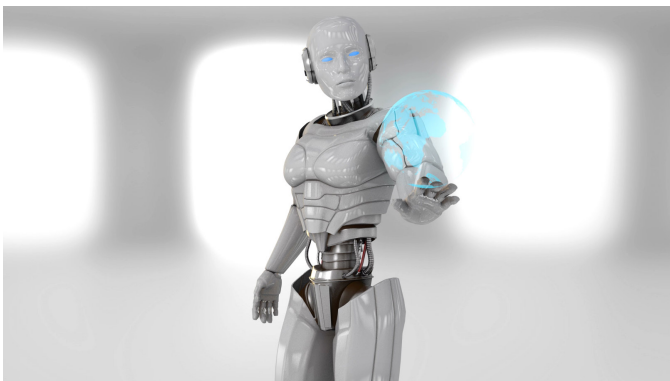
- **The I-70 Mountain Express Lane project** won in the Operations Excellence, Medium Project category (projects costing between \$25 million and \$200 million).
 - In its first year of operation, the project reduced travel time by nearly half from the Eisenhower/Johnson Memorial Tunnels to top of Floyd Hill, resulting in an average 30-minute time savings.
 - The project upgraded 13 miles of eastbound I-70 from Idaho Springs to Empire, creating a wider shoulder that operates as a third travel lane during peak travel periods.
 - Travelers have the option of taking the express lane in exchange for paying a toll to get to their destination faster or ride in the regular lanes for free.
- **The US 36 Express Lanes project** claimed victory in the Best Use of Technology and Innovation, Large Project category (projects costing more than \$200 million).
 - The project resulted in reliable travel times and a safer drive on U3 36 following this multi-modal work that reconstructed the roadway from Federal Boulevard to Table Mesa Drive in Boulder,





CDOT RoadX - Smart 25 Initiative







 [@TreyCeeCO](#)



Matthew Bailey | IoT Pioneer, Co-Founder of #cosmartcities
@pioneerIoT



 @TreyCeeCO



https://youtu.be/RFf_zZFZbCU



Matthew Bailey | IoT Pioneer, Co-Founder #cosmartcities
@pioneerIoT



What's the big deal? 🤔
(We asked :))



 @TreyCeeCO

<https://youtu.be/EJ6vCw84Ap4>



Matthew Bailey | IoT Pioneer & Co-Founder, #cosmartcities
@pioneerIoT

So how do Cities take advantage of these, and other developments? 🤔





Smart cities (recap)?

What have we done since then?

CO Smart Cities Alliance!

Who else is doing interesting work?

How to get involved?

 @ricochetdenver



 @ricochetdenver


DEN
STARTUP WEEK



COLORADO SMART CITIES
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 @ricochetdenver



Sarah Nurmela, Real Estate & Development Manager



 @ricochetdenver



[https://youtu.be/
TuvksmnFZtg](https://youtu.be/TuvksmnFZtg)



Sarah Nurmela | Real Estate & Development Manager,
City of Westminster



 @ricochetdenver

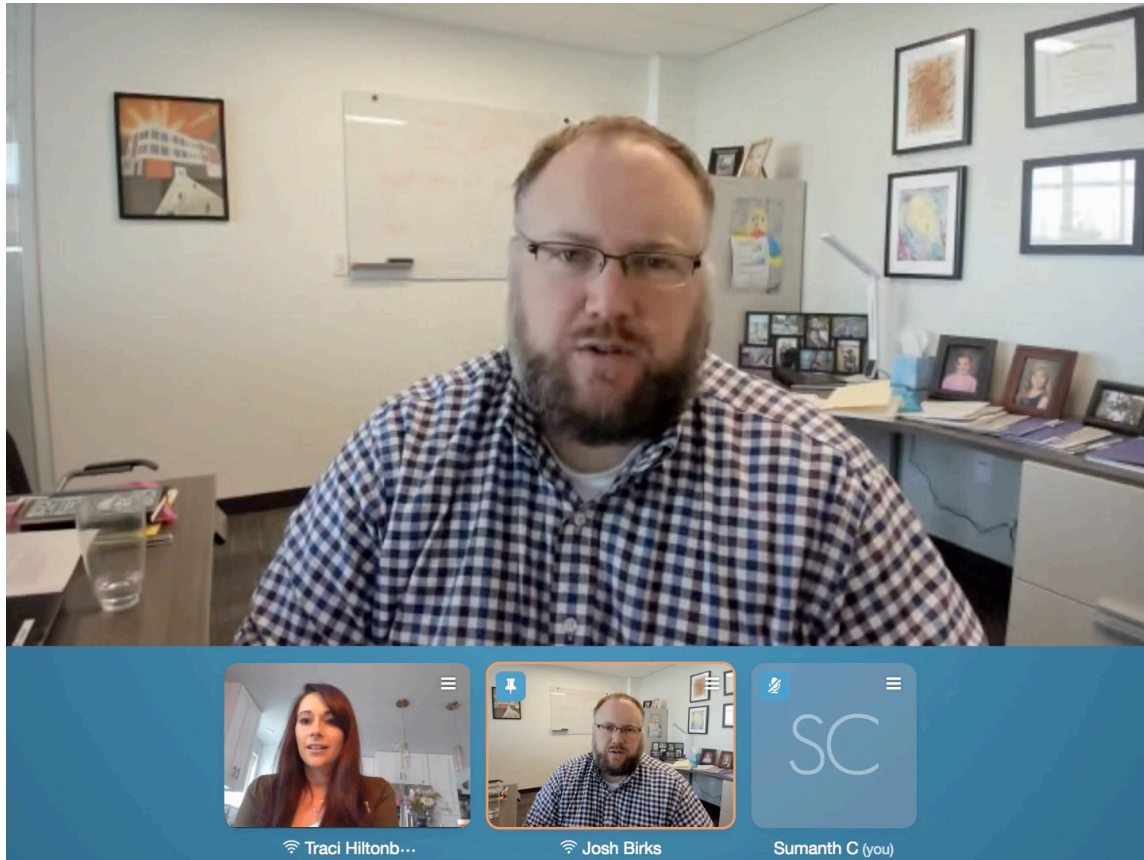


Josh Birks, Economic Health & Redevelopment Director
@JoshBirksFC



 @ricochetdenver

[https://youtu.be/
ATyGOltgaRg](https://youtu.be/ATyGOltgaRg)



Josh Birks, Economic Health & Redevelopment Director
@JoshBirksFC



 @ricochetdenver


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ALLIANCE



Innovation Corridor



Eric Drummond
President of Global Strategy & Chief Legal Officer



 @ricochetdenver



[https://
youtu.be/
qikkcs0NcxU](https://youtu.be/qikkcs0NcxU)



Eric Drummond

President of Global Strategy & Chief Legal Officer Formativ LLC



 @ricochetdenver



COLORADO
TECHNOLOGY
ASSOCIATION



 @ricochetdenver



NOW

Five Years Out





COLORADO SMART CITIES
ALLIANCE



www.coloradosmart.city



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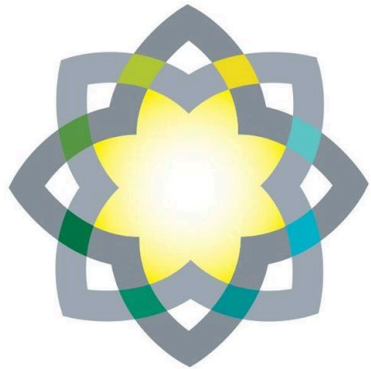
How to get involved?

**Let's start with private
entities...**



 @TreyCeeCO


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Sterling Ranch

<http://sterlingranchcolorado.com>



Marty Skolnick, Account Manager of Intelligently Integrated Developments

SIEMENS



 @TreyCeeCO

<https://youtu.be/L51XL5c3sQ4>



Marty Skolnick, Account Manager of Intelligently Integrated Developments
Siemens

Also: we heard a rumor... 🙈



 @TreyCeeCO

<https://youtu.be/fx3QJa9VEfI>



Marty Skolnick, Account Manager of Intelligently Integrated Developments
Siemens

Public Private Partnerships...



 @TreyCeeCO



George Karayannis | LEED AP Panasonic CityNOW
@gkarayannis

Panasonic



 @TreyCeeCO



[https://youtu.be/
ZfsXYoQc_88](https://youtu.be/ZfsXYoQc_88)



George Karayannis | LEED AP Panasonic CityNOW
@gkarayannis



Test Beds and LivingLabs...



 @TreyCeeCO



<https://youtu.be/9m1NQKUhdYy>



George Karayannis | LEED AP Panasonic CityNOW
@gkarayannis



And examples from Alliance Partner Cities



 @TreyCeeCO

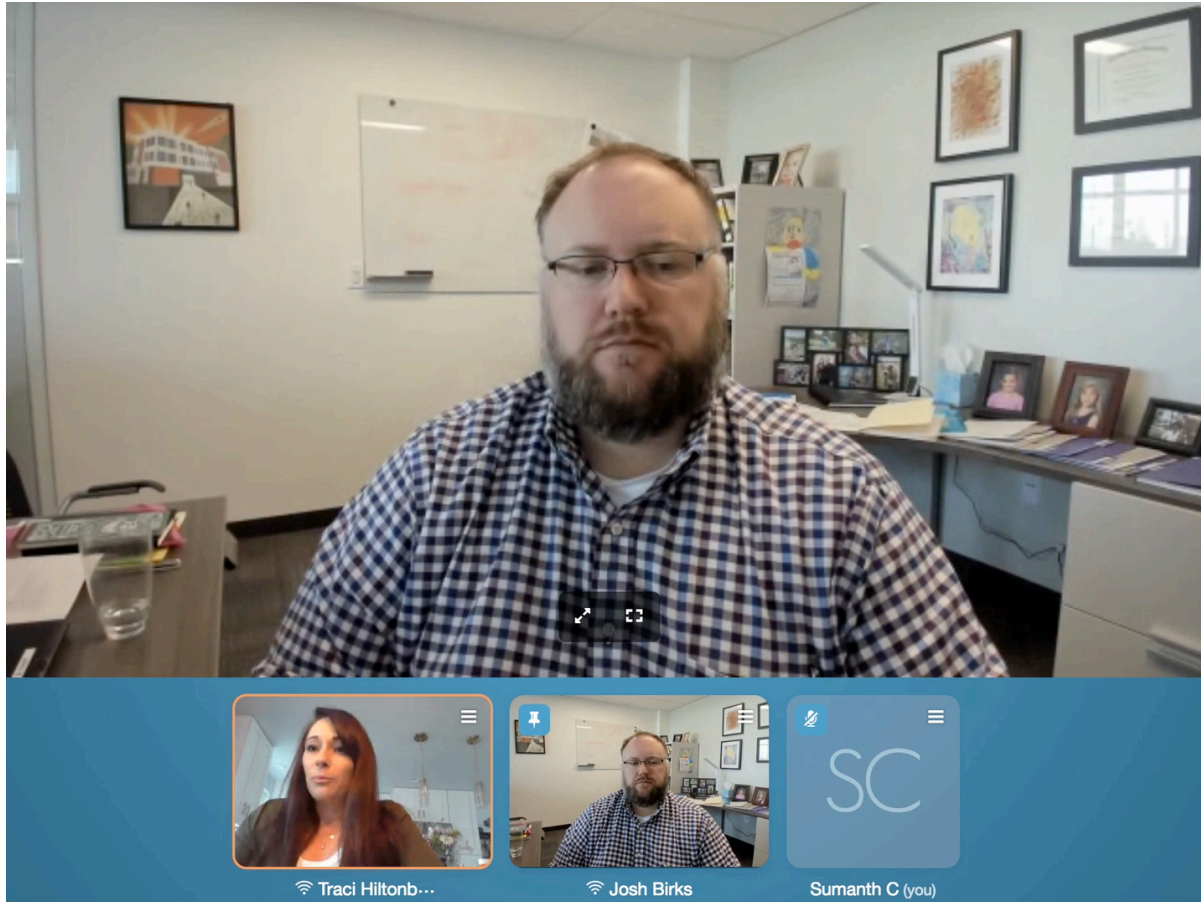


Josh Birks, Economic Health & Redevelopment Director
@JoshBirksFC



 @TreyCeeCO

<https://youtu.be/ATyGOItgaRg>



Josh Birks | Economic Health & Redevelopment Director, City of Ft. Collins
@JoshBirksFC

 @sumanthc



Sarah Nurmela, Real Estate & Development Manager



 @sumanthc

<https://youtu.be/gjCrFY1Eqew>



Sarah Nurmela | Real Estate & Development Manager,
City of Westminster



A couple of examples of what's happening outside of Colorado? 🤔



 @sumanthc



Story Bellows | Partner at CityFi
@storybellows



 @sumanthc



<https://youtu.be/mQo62tCHJsw>



Story Bellows | Partner at CityFi
@storybellows





Time to look inwards...





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How to get involved?

City or Public Entity?



 @sumanthc



<https://youtu.be/LAMzB94E9D8>



George Karayannis | LEED AP Panasonic CityNOW
@gkarayannis



Resident or Business?



 @sumanthc



<https://youtu.be/gjCrFY1Eqew>



Sarah Nurmela | Real Estate & Development Manager,
City of Westminster



Serial Entrepreneur?



 @sumanthc



10.10.10

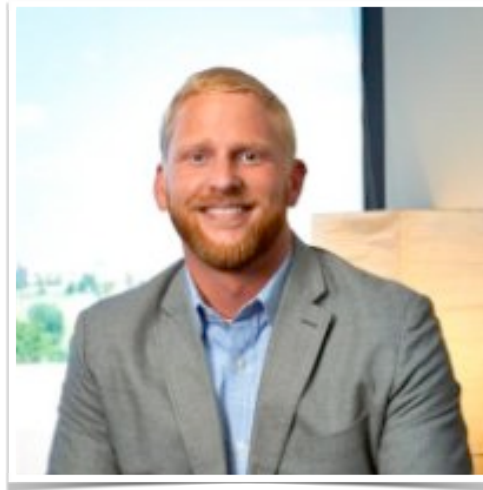
<https://101010.net/>



Interested in the Alliance?



 @ricochetdenver





<https://youtu.be/-2RSI-IZR9Q>

That's it Folks!

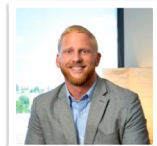




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