CTC Welcoming Remarks

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Executive Director
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CONTRA COSTA
transportation
authority

- The Contra Costa Transportation Authority (CCTA) is a public agency formed by Contra Costa voters in 1988 to manage the county's transportation sales tax program and to lead the county's transportation planning efforts.

- CCTA is responsible for maintaining and improving the county's transportation system by planning, funding, and delivering critical transportation infrastructure projects and programs that connect our communities, foster a strong economy, increase sustainability, and safely and efficiently get people where they need to go.

WHAT WE DO

- **BUSES** Invest in a reliable, comfortable and convenient bus network

- **LOCAL STREETS** Smooth traffic flow on major roads and invest in neighborhood improvements such as repairing potholes and road surfaces

- **PEDESTRIAN** Make improvements to sidewalks, crosswalks, trails, and paths

- **SAFE ROUTES TO SCHOOLS** Focus on programs and projects aimed at bicycle and pedestrian safety for K-12 students

- **FERRIES** Expand the Bay Area ferry system by looking to ferries as an alternate commute method between West County and San Francisco

- **BICYCLE** Invest in safe routes and infrastructure improvements for bicyclists

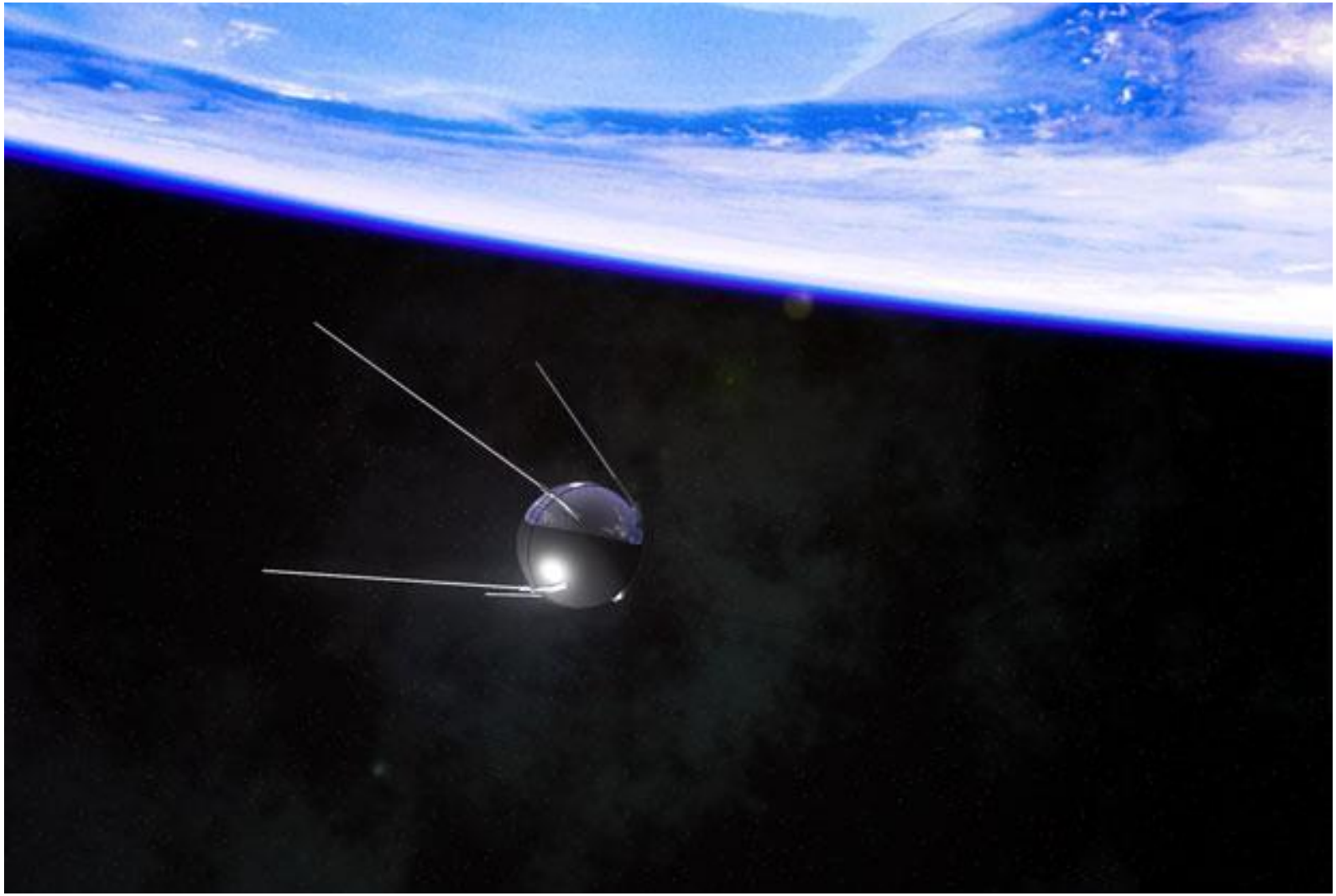
- **BART** Make improvements to BART service and stations, such as extensions to new routes and parking at stations

- **HIGHWAYS** Complete Contra Costa's highway system, and improve air quality and noise protection along these corridors

- **CARPOOL/RIDESHARE** Implement programs aimed at reducing traffic congestion by encouraging carpooling and ridesharing

- **PROGRAMS FOR SENIORS AND PEOPLE WITH DISABILITIES** Enhance transit options to improve mobility for seniors and people with disabilities

A little bit of history



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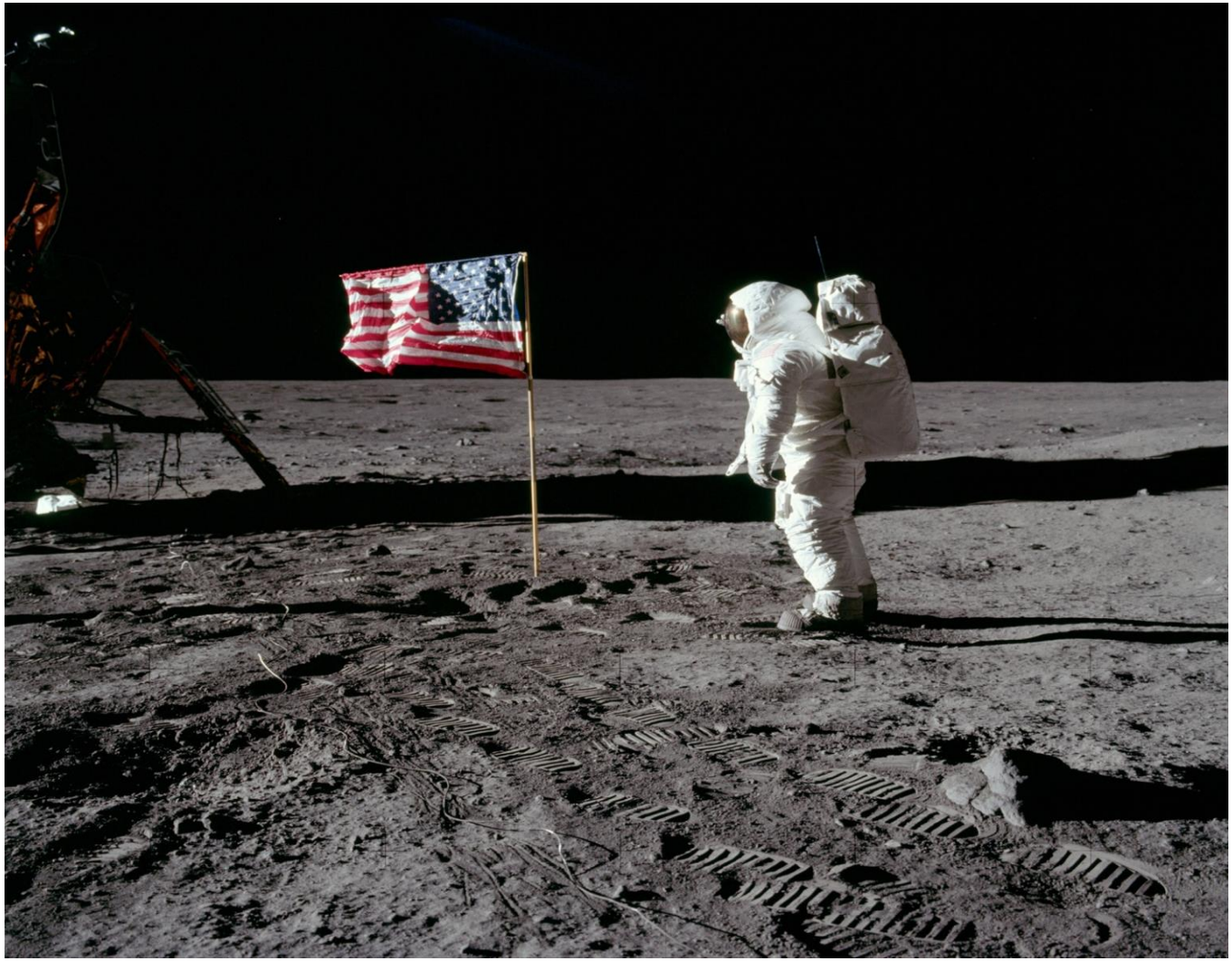


California PATH

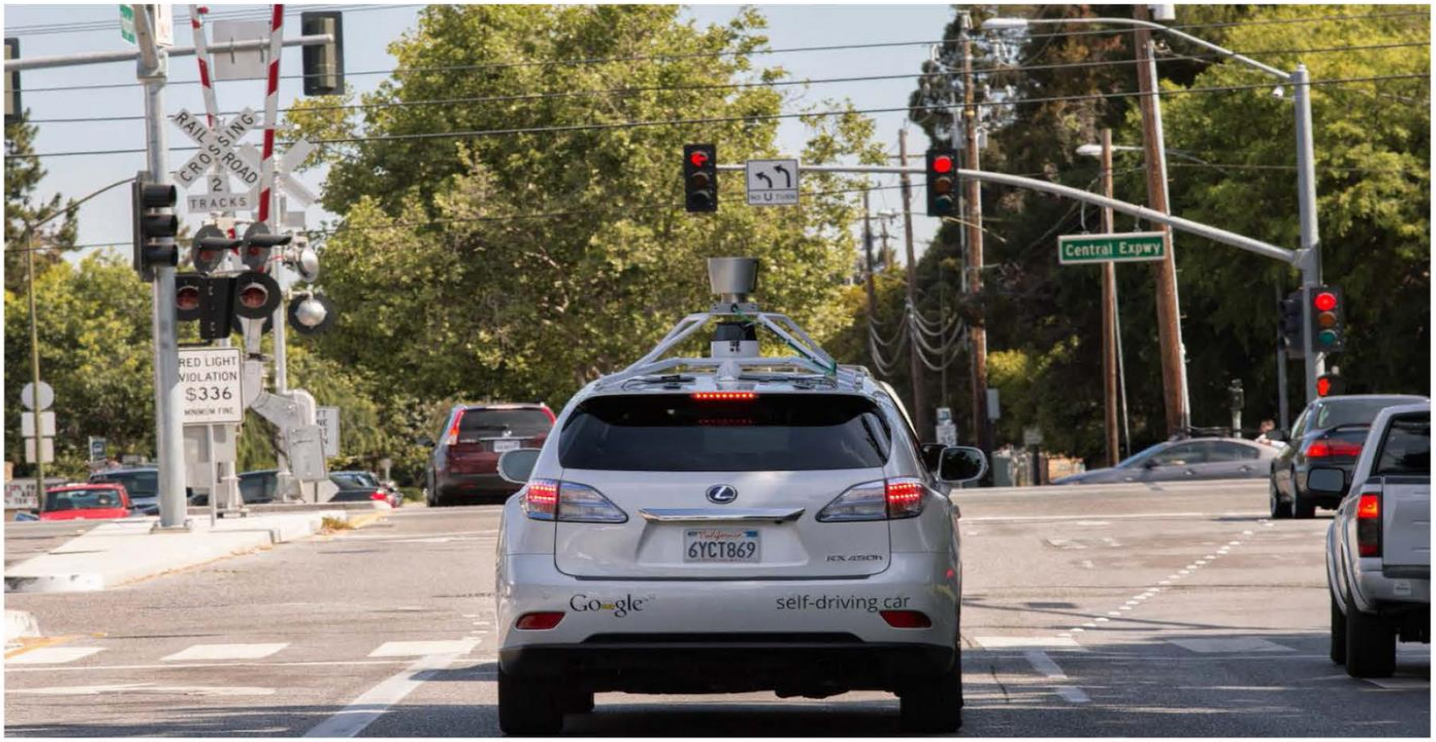
2007 DARPA Urban Challenge

‘Boss’ CMU Tartan Racing, 60 miles urban, 4h:10m

2010 Audi ‘Pikes Peak’

12 mile hill climb, 156 turns, 27min (cf 11m48s)

2014 Google ‘mastering city street driving’



700k miles, cyclists signals, construction zones

Innovation Timeline

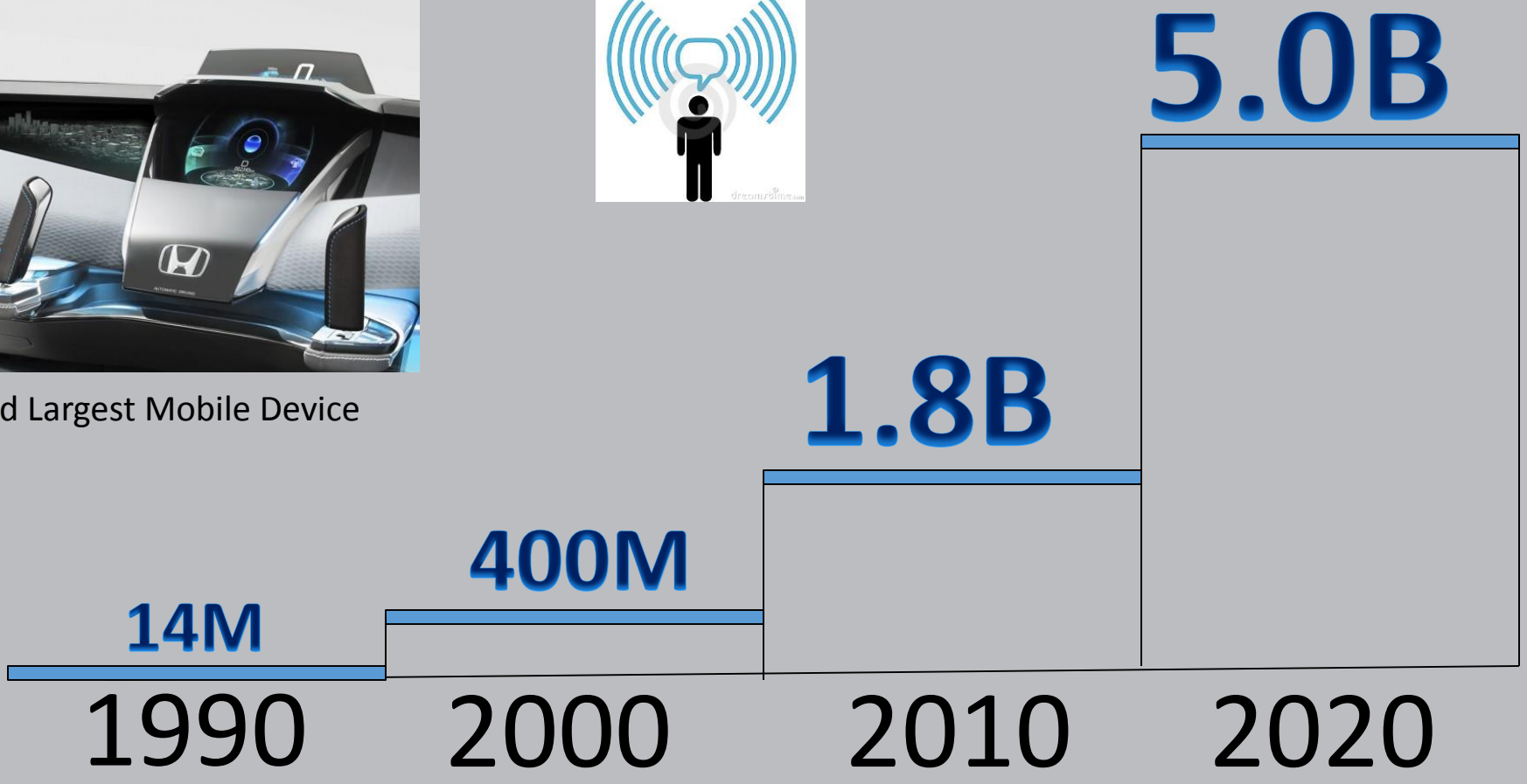
International Business Machines Corporation (IBM)
Watchlist
157.81
-2.96 (-1.84%)
NYSE - As of 4:02PM EDT
After Hours: 157.81 +0.49 (0.31%) 05:51pm EDT
1d 5d 1m 3m 6m YTD 1y 2y 5y 10y Max Custom
Indicator
Comparison
Reset
Go To Symbol
Open 159.60
Close 157.81
Low 157.81
High 160.23
Vol 4.6M
% Chg N/A
IBM 157.81
250.00
200.00
157.81
100.00
50.00
0.00
30 YEARS
Jan 1, 1971
Jan 1, 1982
Jan 1, 1993
Jan 1, 2004
Linear

IBM vs. Microsoft

Microsoft vs. Facebook

Connectivity Emerging Faster

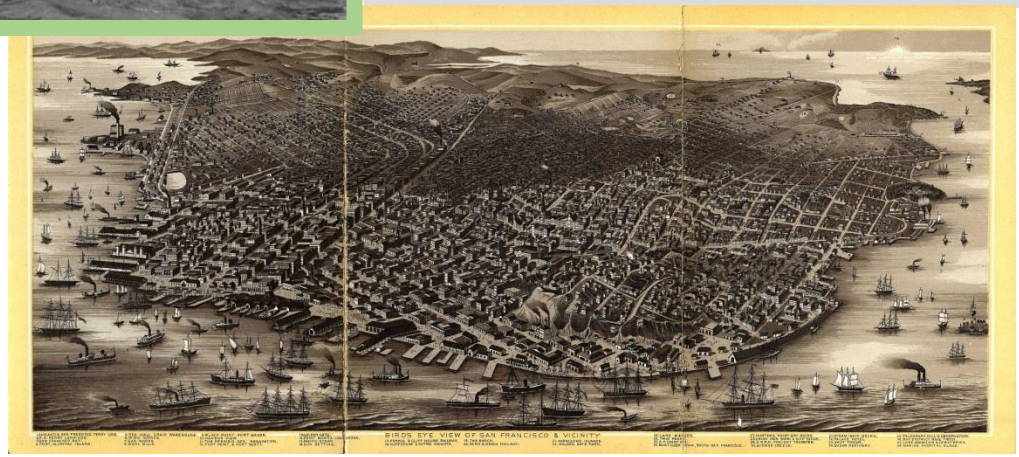
Third Largest Mobile Device



Source: http://www.internetlivestats.com/internet-users/#trend

How cities have evolved

FBCOVERSTREET.COM


BIRDS' EYE VIEW OF SAN FRANCISCO & VICINITY

BUSES AND CARPOOLS ONLY
San Francisco
ONLY
END CARPOOL LANE 600 FEET
580 Oakland 880
San Jose
80
San Francisco
3 RIGHT LANES

Park Row
Lower Park Row
Woodland Road
Medical Avenue
Perry Road
Trenchard Street
Host Street
Quay Street
Rupert Street
Nelson Street
John Street
Wine Street
Byron Place
Charlotte Street
Park Street
Hill Street
Pipe Lane
Unity Street
Orchard Street
Denmark Street
Mark Lane
Frog Lane
Great George Street
St. Augustine's Parade
Colston Avenue
St. Stephen's Street
St. Nicholas Street
All Saints' Lane
Back Bridge Street
Baldwin Street
Victoria Street
Thomas Lane
King Street
Little King Street
Broad Quay
Prince Street
Narrow Quay
Anchor Road
College Green
Brandon Street
Deanery Road
Queen's Parade
St. George's Road
Canon's Road
Canon's Way
Redcliff Way
The Grove
A4
A38
Image © 2006 The GeoInformation Group
Google

Data Driven Mobility

Sensible & Digital City

Intermodal Innovations

authority

Introducing the GoMentum Station Program

Connected Vehicle and Autonomous Vehicle (CV/AV) Program and Test Facility

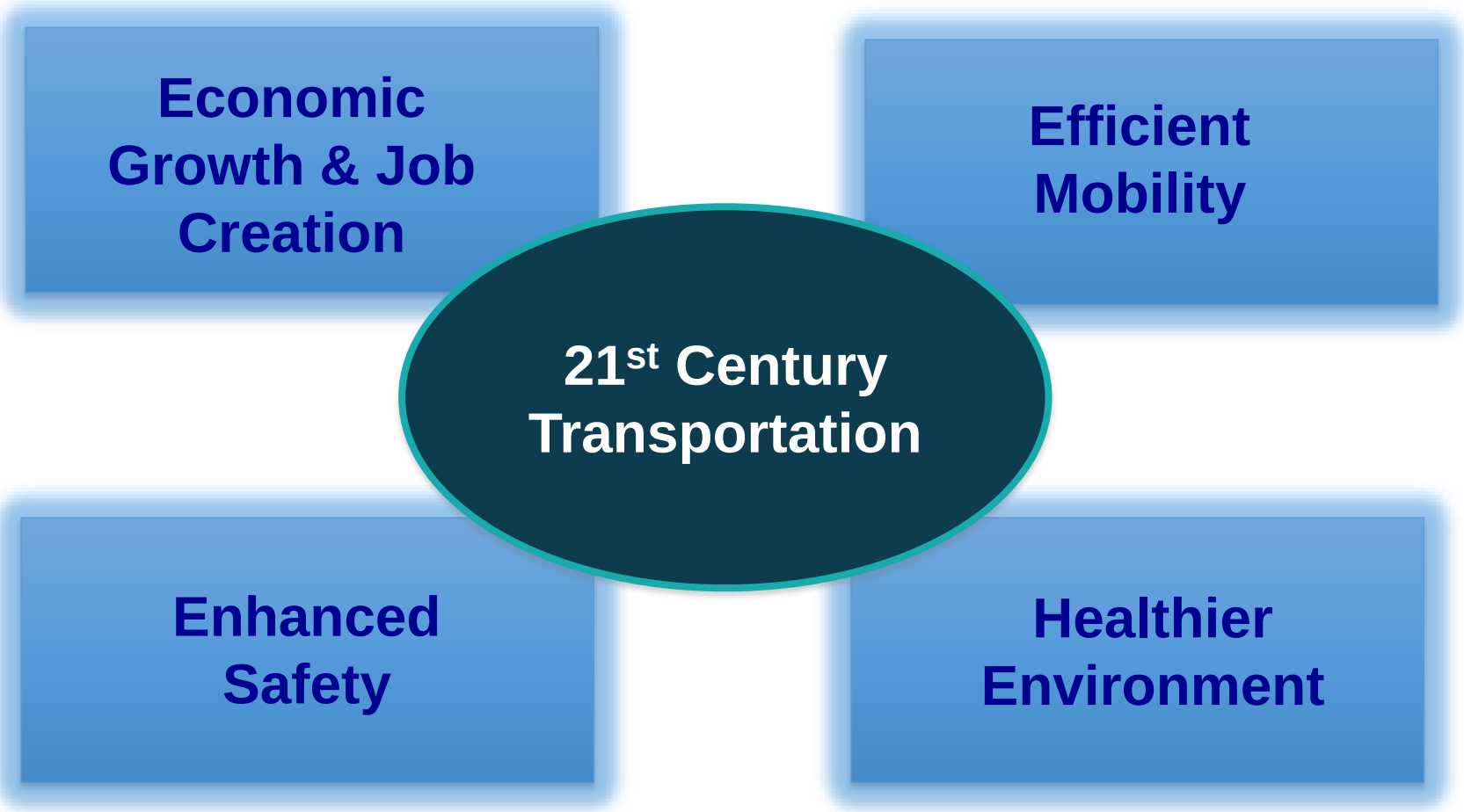
Vision

Create a hub for CV/AV transportation innovation in Contra Costa - called the GoMentum Station Program - where technology, innovation and commercialization converge.

GoMentum Station

More than 5,000 acres with 2,100 acres currently available for testing

Overarching Goals



Partner EcoSystem

Thank you!

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