

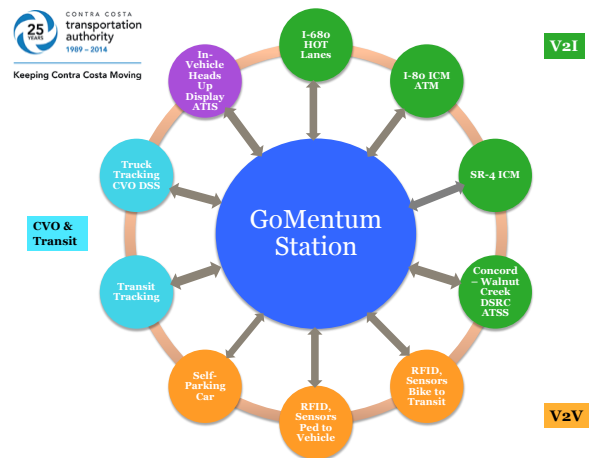
## CCTA Connected Vehicles (CV) Autonomous Vehicles (AV) Program – GoMentum Station

GoMentum Station in Concord, California is where CCTA leads and facilitates a collaborative partnership amongst multiple Automobile Manufacturers; OEMs and Tier-1 suppliers; communications companies; technology companies; researchers and academia; public agencies and other partners that converge in research, development, testing, validation and commercialization of Connected Vehicle (CV) applications and Autonomous Vehicles (AV) technologies to define the next generation of transportation network infrastructure. This 5000 –acre former Navy Weapons Station is one of the largest test facilities in the world and will be the center of CV/AV activities.

The CV Program is a major initiative of the United States Department of Transportation (USDOT). The USDOT CV program is comprised of Vehicles to Vehicles (V2V), Vehicles to Infrastructure (V2I) and Vehicles to Devices (V2D) elements, and is designed to improve safety, mobility, and reduce energy use and emissions through technological solutions. Through its early investments and partnerships, CCTA and its GoMentum Station are well-positioned for the expected USDOT funding opportunities in early 2015 and 2016.

Autonomous Vehicles (AV) sense their surroundings through radar, lidar (image sensing), global positioning system (GPS) and computer vision. Recently we have seen acceleration of AV technologies in unprecedented fashion by building working prototype of AV's. Companies such as Honda, Mercedes Benz, Bosch, Nissan, Toyota, Audi, Volvo, and Google are some of the trailblazers in the AV field. **Now in partnership with CCTA, several**

**automobile manufacturers will test and validate their CV/AV technologies at the GoMentum Station Testbed in Contra Costa county to advance their research and accelerate commercialization.**



### CCTA's CV/AV Program Vision

CCTA has consistently taken a leadership role in transportation and believes the future economic vitality of Contra Costa depends on the ability to provide safe, reliable, and efficient mobility through the transportation network. It is clear that in the 21<sup>st</sup> century we will not be able to build our way out of congestion. We must provide an efficient transportation system by utilizing emerging technologies such as CV/AV and leverage partnerships with the public and private sectors to advance these programs. CCTA's strategy is centered on:

1. Enhancing Contra Costa's regional economic competitiveness and job growth
2. Partnering with our communities to improve safety, mobility and the environment
3. Creating a world-class CV/AV Testbed with active industry and government participation

**Critical to the success of such an ambitious program is an effective and innovative partnering strategy. This spans both public and private sector partners and must be developed in careful consideration of various interests and needs. CCTA is seizing on an historic opportunity to create a unique partnership model without precedence that is:**

- Comprehensive and inclusive of all modes of surface transportation (**multi-modalism**).
- Inclusive of both private sector and public sector initiatives and investments to drive economic growth and innovation.
- Predicated on strategic partnerships with multiple automobile manufacturers and other top tier suppliers and organizations, with focus on innovation.
- Capitalizes on the Bay Area technology base and culture of creativity.

We are capturing a prominent spot in the CV/AV arena within the next 5-10 years by building America's largest and most comprehensive CV/AV Testbed in Contra Costa County (with affiliated multi-modal pilot projects), and will incubate the next generation of advanced transportation systems for decades to come.

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