Texas A&M University Transformational Mobility Plan

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Universities Conference







Presentation Focus

Universities as Living
Laboratories
for
Transformational Technologies
& Services

Presentation Outline

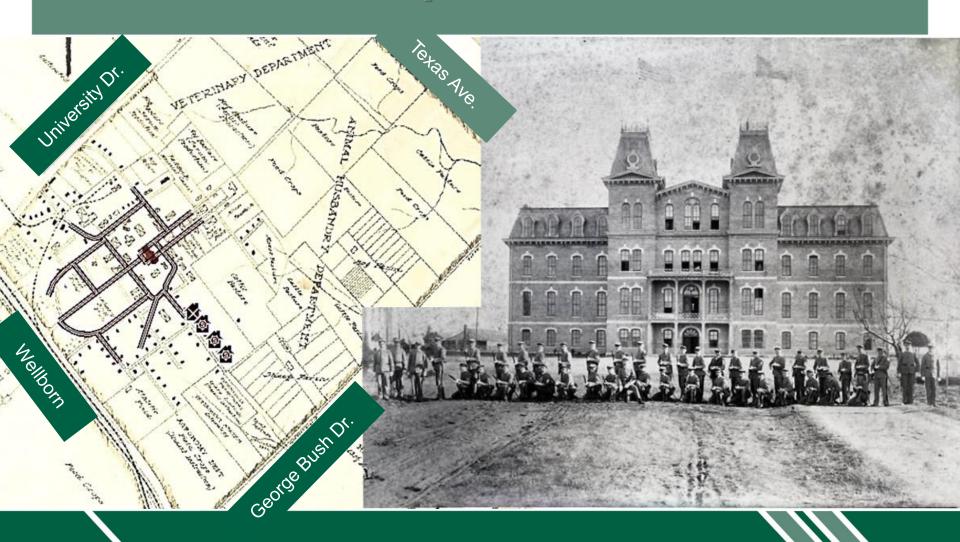
- Background
- Transformational Technologies and Services
- Scenario Planning Charrette
- Future Opportunities



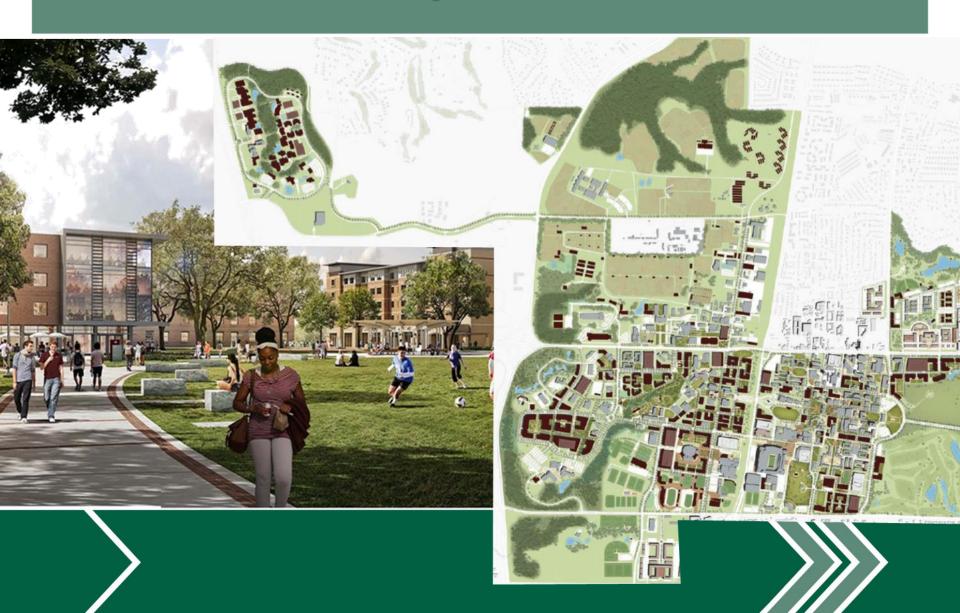
Texas A&M University



Campus: 1877



Campus 2017



Texas A&M University

- 63,000 Students
- 25,000 Faculty, Staff
- 4th Largest Downtown
- 37,000 Parking Spaces
- 97 Buses/8 Million Riders



Activities

- Campus Transformational Mobility Plan
- Campus Transportation Technology Initiative
- Campus Master Plan Update
- Game Day
- Destination Aggieland App
- TAMU Bicycle, Pedestrian Plans
- TAMU Transit
- RELLIS Campus Development
- TxDOT and Local Plans





Campus Transformational Mobility Plan

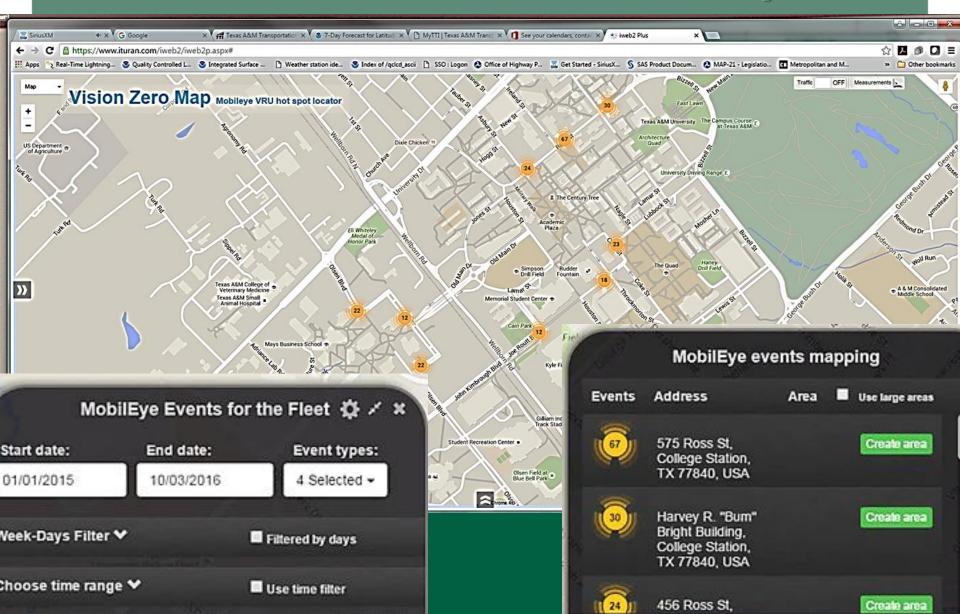
- Walkable, Connected Campus
- More Green Space
- Pedestrian, Bicycle, Transit, Car Share Options
- Innovative Technologies & Services
- Enrich Student Experience
- Living Laboratory
- Leadership in Autonomous
 Transportation Systems
- Collaborative, Coordinated Process



Smart Bus-Collision Avoidance System



Smart Bus-Collision Avoidance System



Dutch Junction



Bike Share & Dockless Bikes







Texas A&M Dockless Bikes - Pilot



Texas A&M Dockless Bikes - Pilot

- 850 Bikes
- 17,000 Registered
 Users
- 9,000 Active Riders
- 2.2 Average Daily
 Trips per Person
- 82% Active Riders
 Rode in March



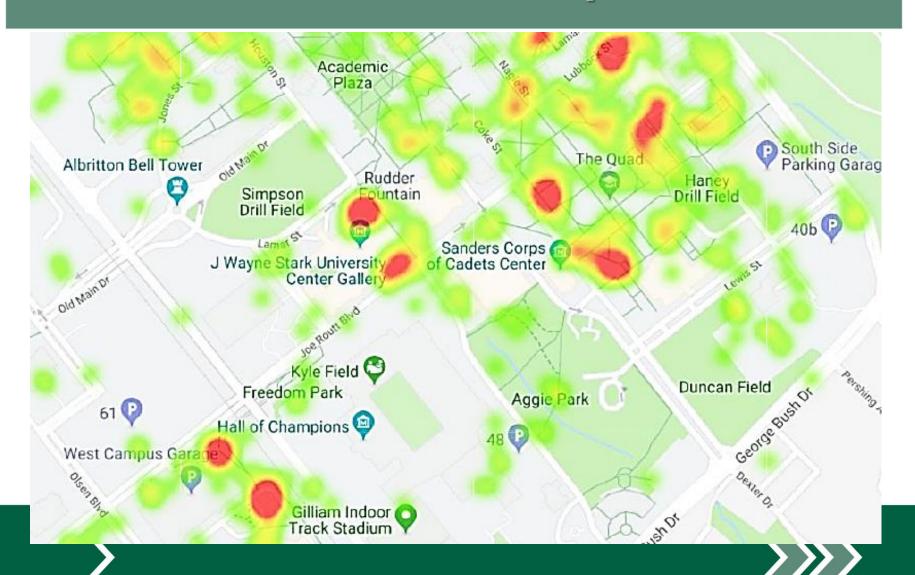
Texas A&M Dockless Bikes - Pilot

OfO Point System Promises Good Behavior

- 100 Points to Start
- Good Behavior –
 Points Added
- Bad Behavior –
 Points Subtracted
- Promotions for Use of Points



OfO Heat Map









Autonomous Shuttle Study Trial



Shared Services



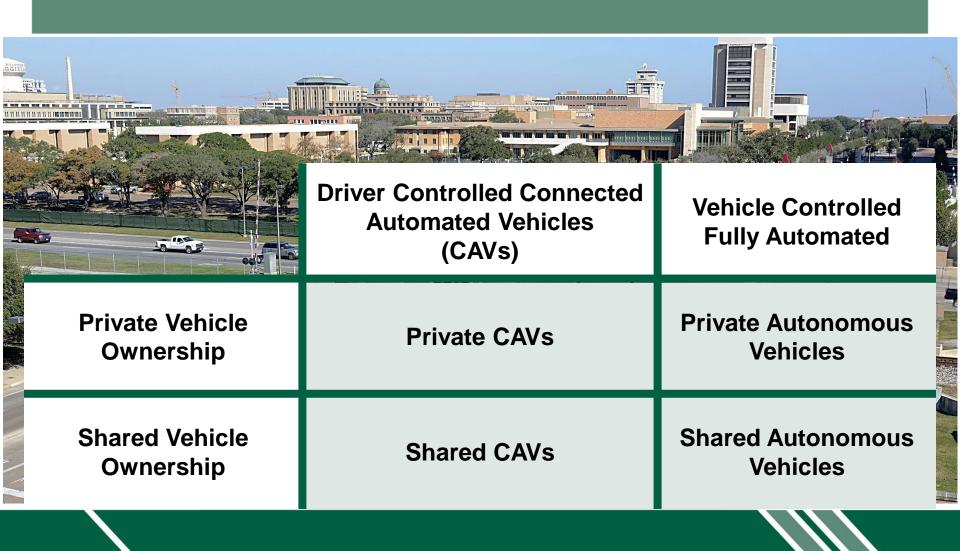
Autonomous Vehicle Charrette

Participants

- Faculty
- Students
- Staff
- Researchers
- CommunityRepresentatives



Scenarios



Discussion Topics

- Density, Parking, Pick-up & Drop-Off Areas
- Bicycle & Pedestrian Facilities
- Green Space
- Shared Economy
- Infrastructure & Communication Technology
- Urban Freight
- Possible Unintended Consequences
 & Mechanisms to Avoid





Transforming Campuses and Communities

- Living Laboratories
- Harness Brain Power
- Foster Innovation
- Enrich Student
 and Visitor Experience
- OngoingCollaboration



Thank You!

