

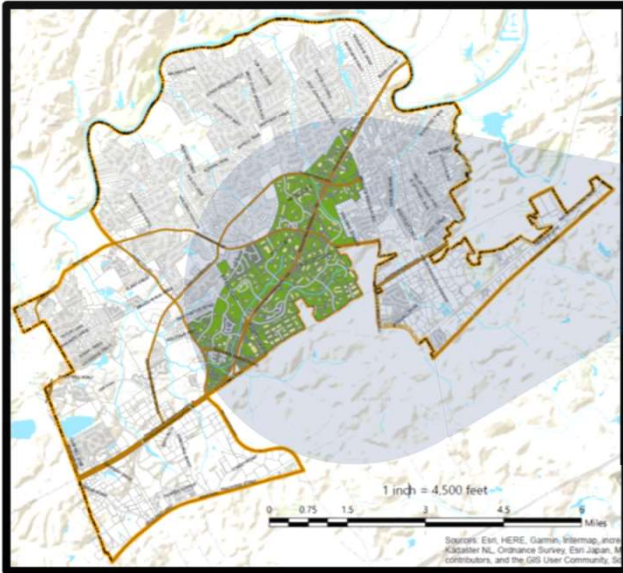


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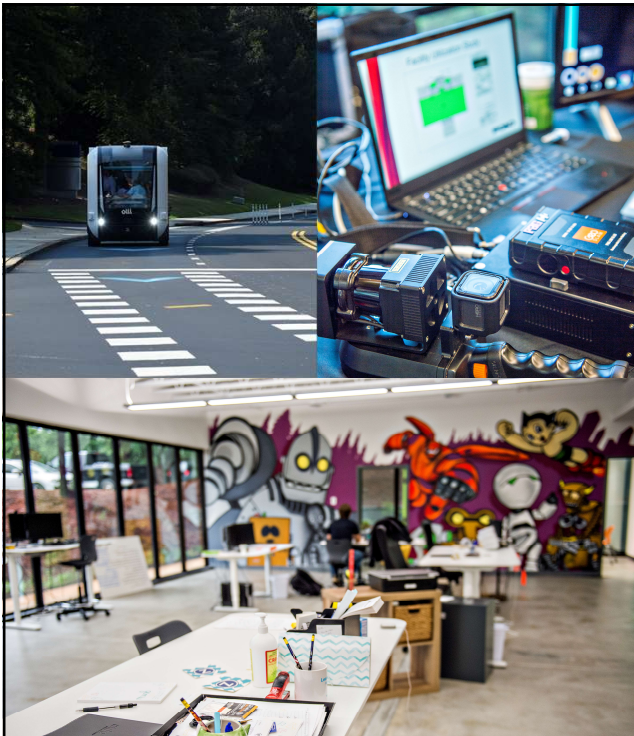


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PEACHTREE CORNERS CENTRAL BUSINESS DISTRICT



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WHAT IS CURIOSITY LAB AT PEACHTREE CORNERS?



1.5 MILE AUTONOMOUS
VEHICLE TEST AND
DEMONSTRATION TRACK



TECHNOLOGY INFRASTRUCTURE
TO SUPPORT **INTELLIGENT
MOBILITY** AND **SMART CITY
TECHNOLOGY** TESTING AND
DEMONSTRATION



25,000 SQUARE FOOT
INNOVATION SPACE

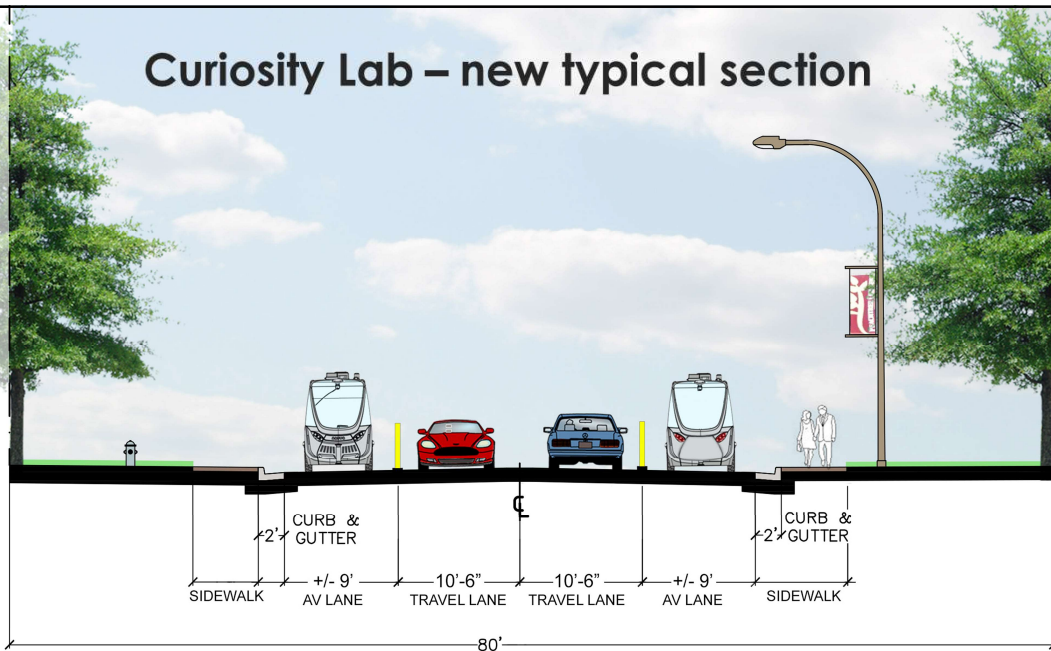
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Original Technology Parkway configuration...

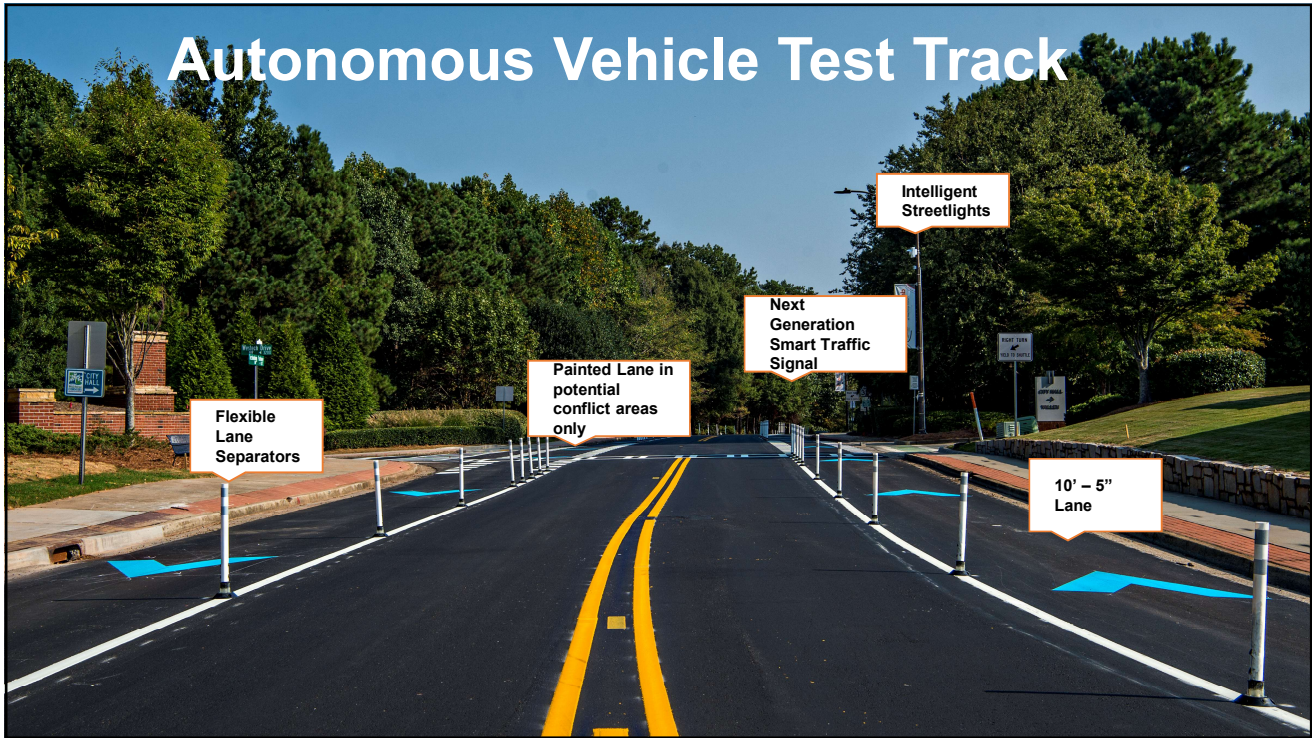


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Curiosity Lab – new typical section



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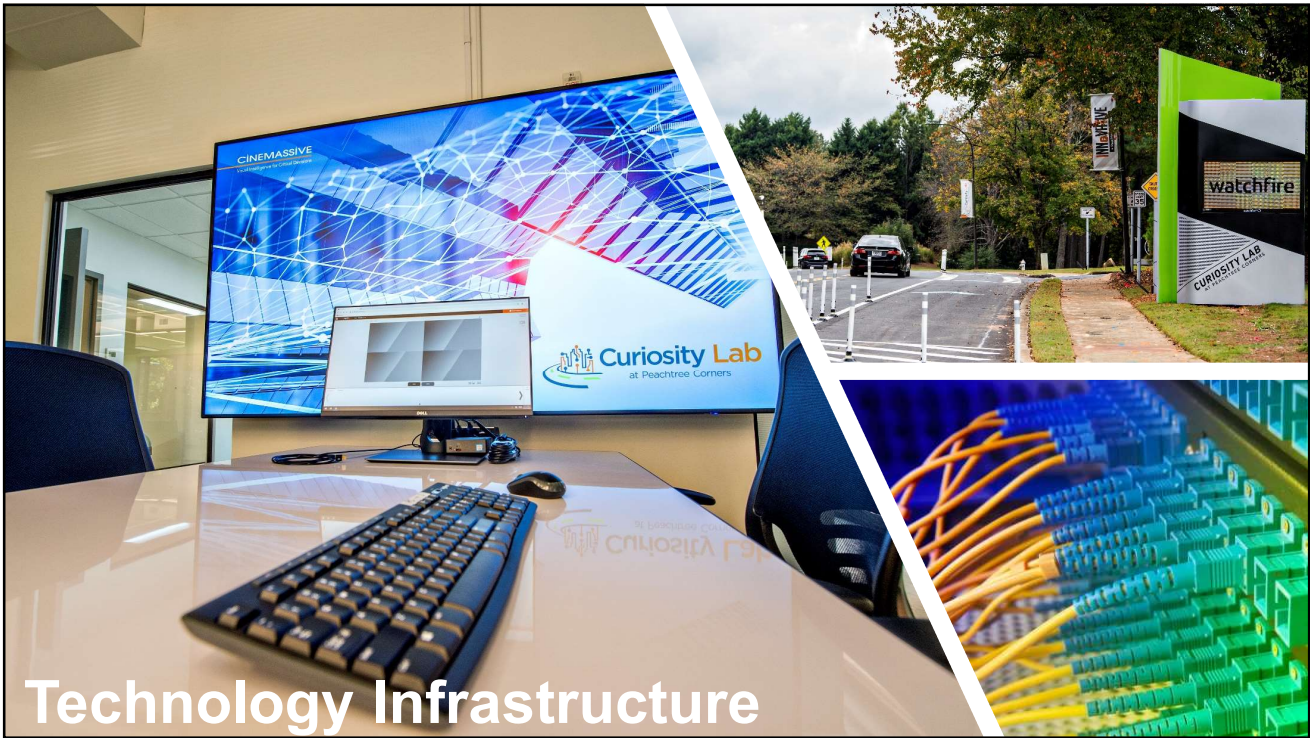


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Technology Infrastructure

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Technology Infrastructure

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VEHICLE TO EVERYTHING (V2X) COMMUNICATION

V2I – Vehicle-to-Infrastructure.
Alerts vehicles to traffic lights, traffic congestion, road conditions, etc.

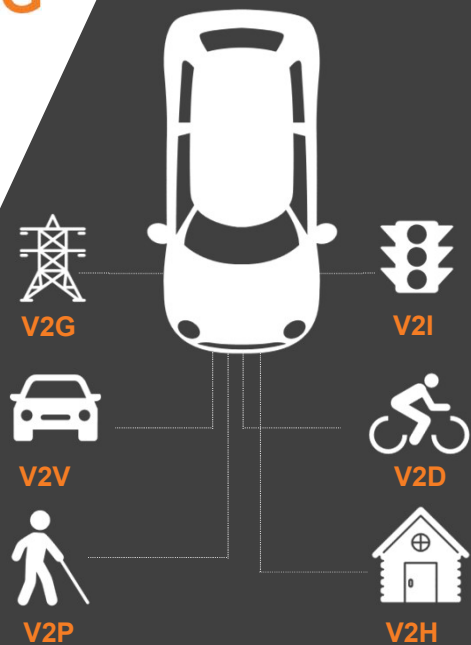
V2D – Vehicle-to-Device.
Vehicles communicate with cyclists' V2D device and vice versa.

V2H – Vehicle-to-Home.
Vehicles will act as supplement power supplies to the home.

V2G – Vehicle-to-Grid.
Smart grid controls vehicle charging and return electricity to the grid.

V2V – Vehicle-to-Vehicle.
Alerts one vehicle to the presence of another. Cars "talk" using DSRC technology.

V2P – Vehicle-to-Pedestrian.
Car communication with pedestrian with approaching alerts and vice versa.



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WHAT RESOURCES ARE PROVIDED AT THE TRACK?



5G Wireless Environment

Powered by Sprint, 5G will be available to all companies testing or demonstrating on the track.



Fiber Optic Cable

The track has 1Gig dedicated fiber to support all IoT devices that will be tested or demonstrated.



Control Room

Located inside Innovation center, the laboratory control live will allow companies to view live feed activity from the track and review all data being collected from the IoT devices



Dedicated Short Range Communication

Four roadside units with Bluetooth and DSRC combined data collection will be available at the Laboratory Operations Center.



Video Surveillance

20 Video cameras along the corridor will provide surveillance from the Laboratory Operations Center and additional data through IoT software.



Track Mapping

High definition map of the test track will be available for companies testing and demonstrating on the track.



Traffic Light

Access to real world traffic signal testing.



Industry Connect

By testing on the track companies will have connections to industry leaders in fields associated with smart cities, IoT and mobility.



Access to Sprint SME

Companies looking to integrate with 5G will have access to subject matter experts from Sprint to assist them with integration into a 5G wireless environment.

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Innovation Space

- Technology Incubator for growing & scaling early stage startups
- 25,000 sf of flexible space adjacent to test track
- Operational responsibility for Curiosity Lab and location of Network Operations Center
- Serves as 5G utilization test site for Sprint



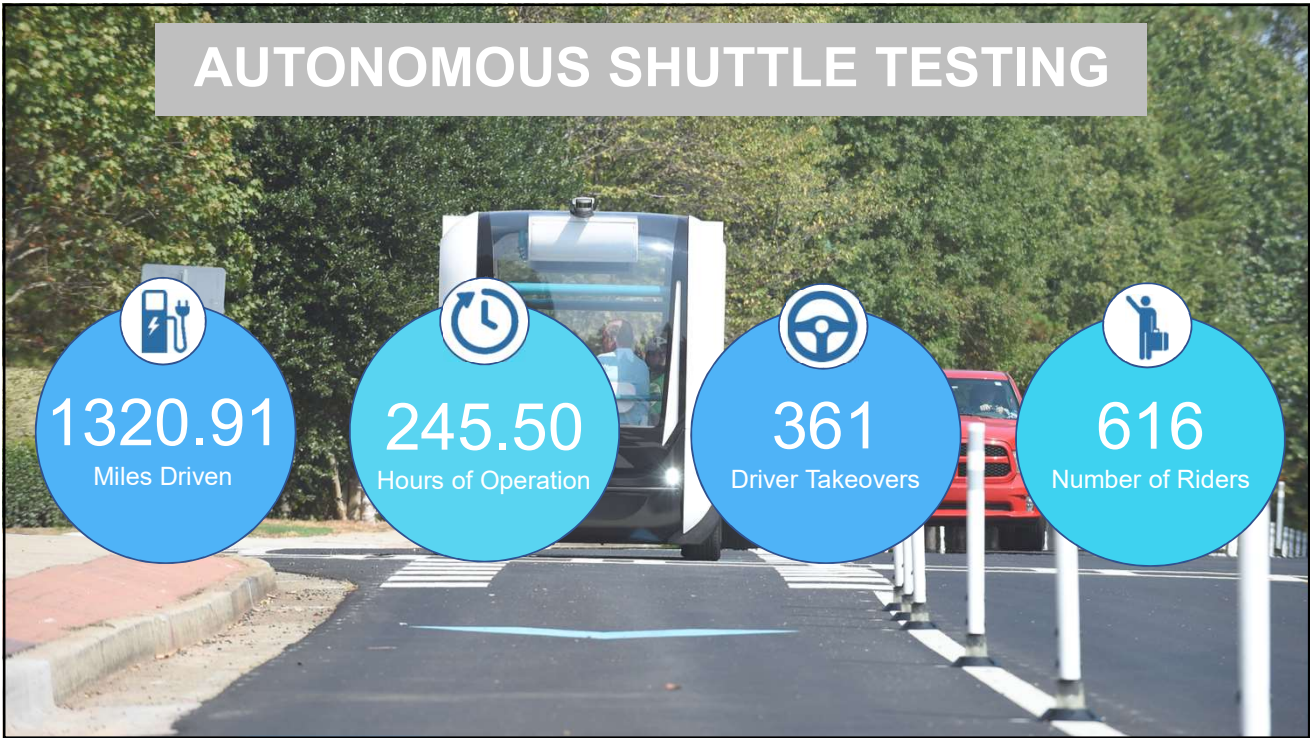
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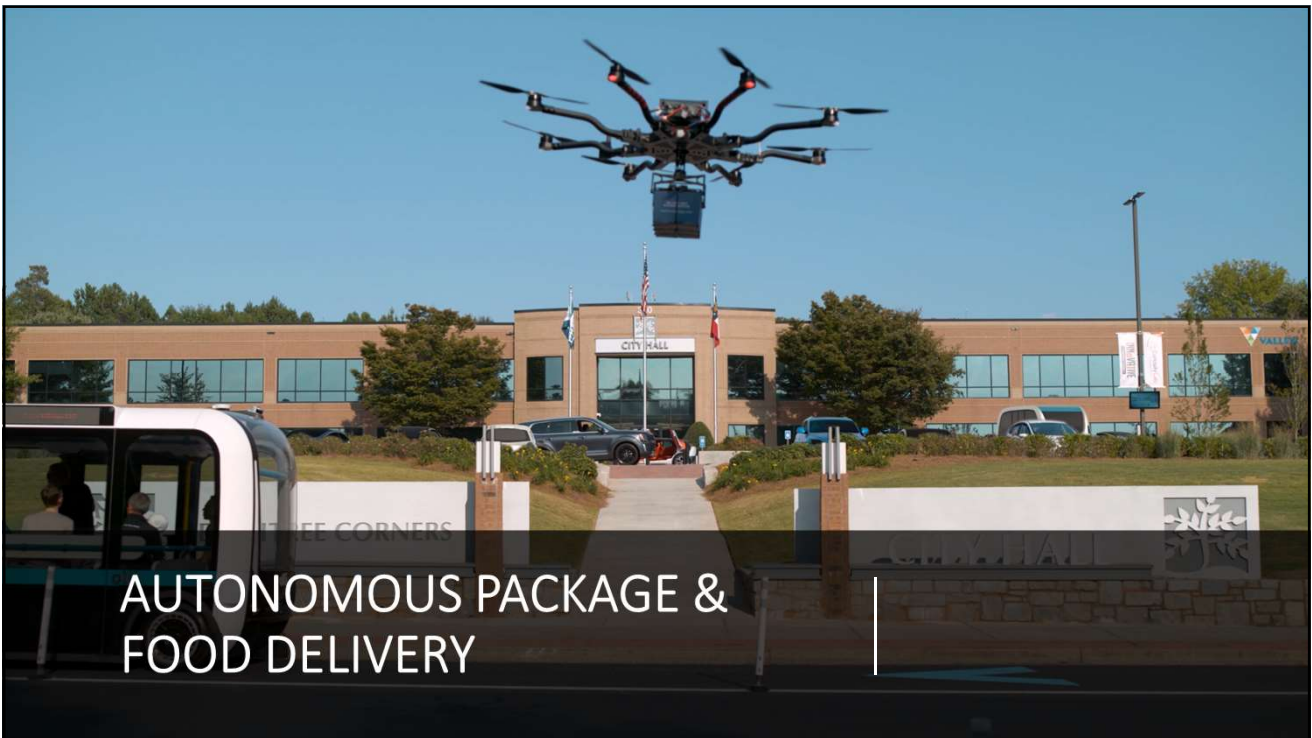
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KEY POINTS TO REMEMBER...

- Free use of 5G while using lab
- Laboratory is owned/operated by a single governmental entity
- No charge for the use of the facilities – Come test, demo and connect with other industry leaders to use the track and its resources.
- Proprietary information remains confidential – We do not share your information, property or test results with anyone.
- City has no interest in Intellectual Property – Our interest is in the economic development of our City.
- Track is insured– City has an insurance policy to cover autonomous vehicle testing.



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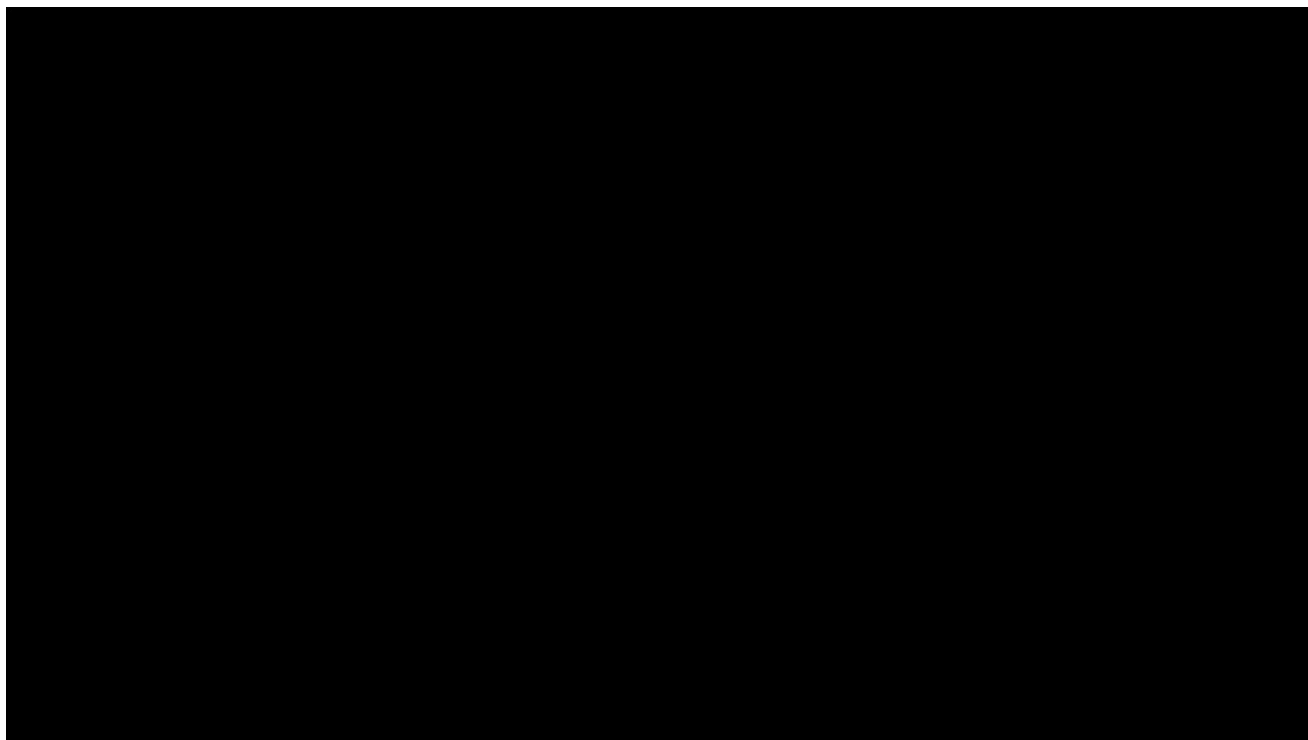
PARTNERSHIPS



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