

Connected and Automated VEHICLES

ATKINS



Connected Vehicle Development Timeline

1999

- Federal Communications Commission allocates 5.9 GHz

Oct 2008

- New York City World Congress, first urban deployments of 5.9 GHz systems

2012

- US DOT Ann Arbor Safety Pilot

Sep 2014

- GM's Mary Bara announced that the 2017 Cadillac CTS will have 5.9 GHz-based equipment in the vehicle

Feb 2015

- NHTSA Advanced NPRM

Early 2016

- NHTSA NPRM

Dec 2016

- NHTSA Rulemaking



**ECO SPEED
HARMONIZATION**



**INTELLIGENT TRAFFIC
SIGNAL SYSTEM**



**TRAFFIC SIGNAL
PRIORITY**

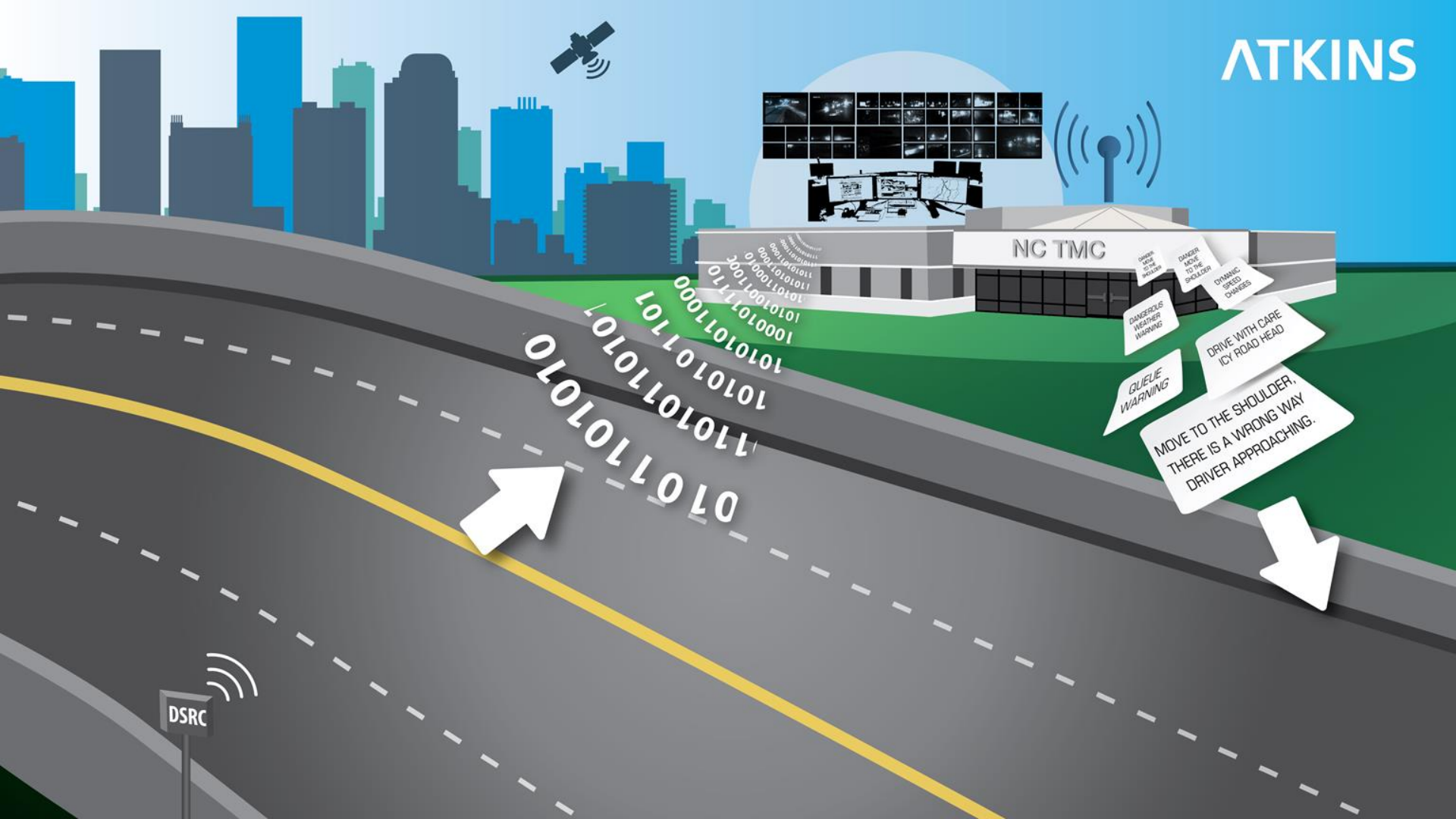


**MULTI-MODAL
INTEGRATION**

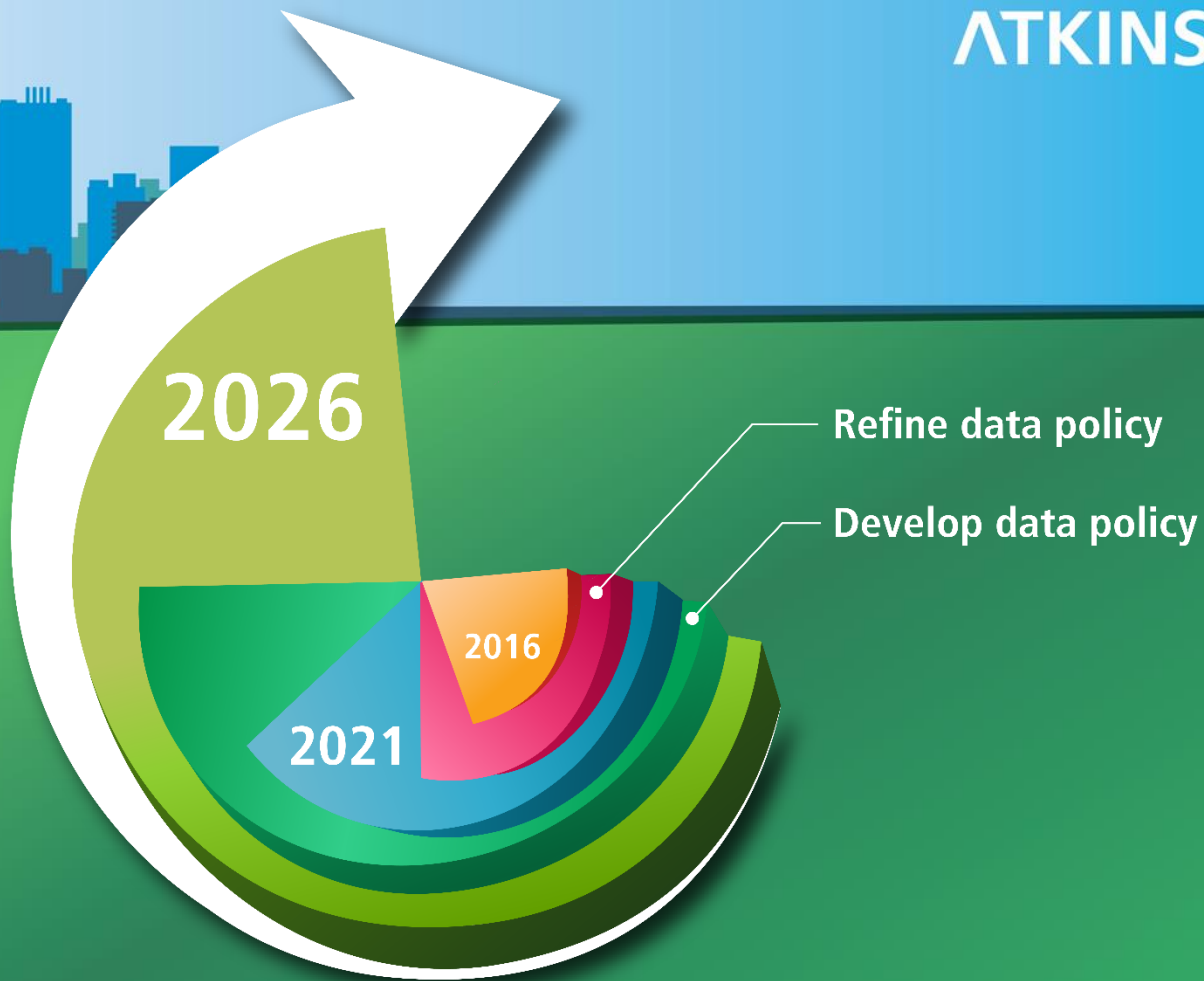


PEDESTRIAN/BIKE

ATKINS



DATA



Connected and Automated
VEHICLES

Q&A