

Making Hyperloop a Reality

Ryan Kelly

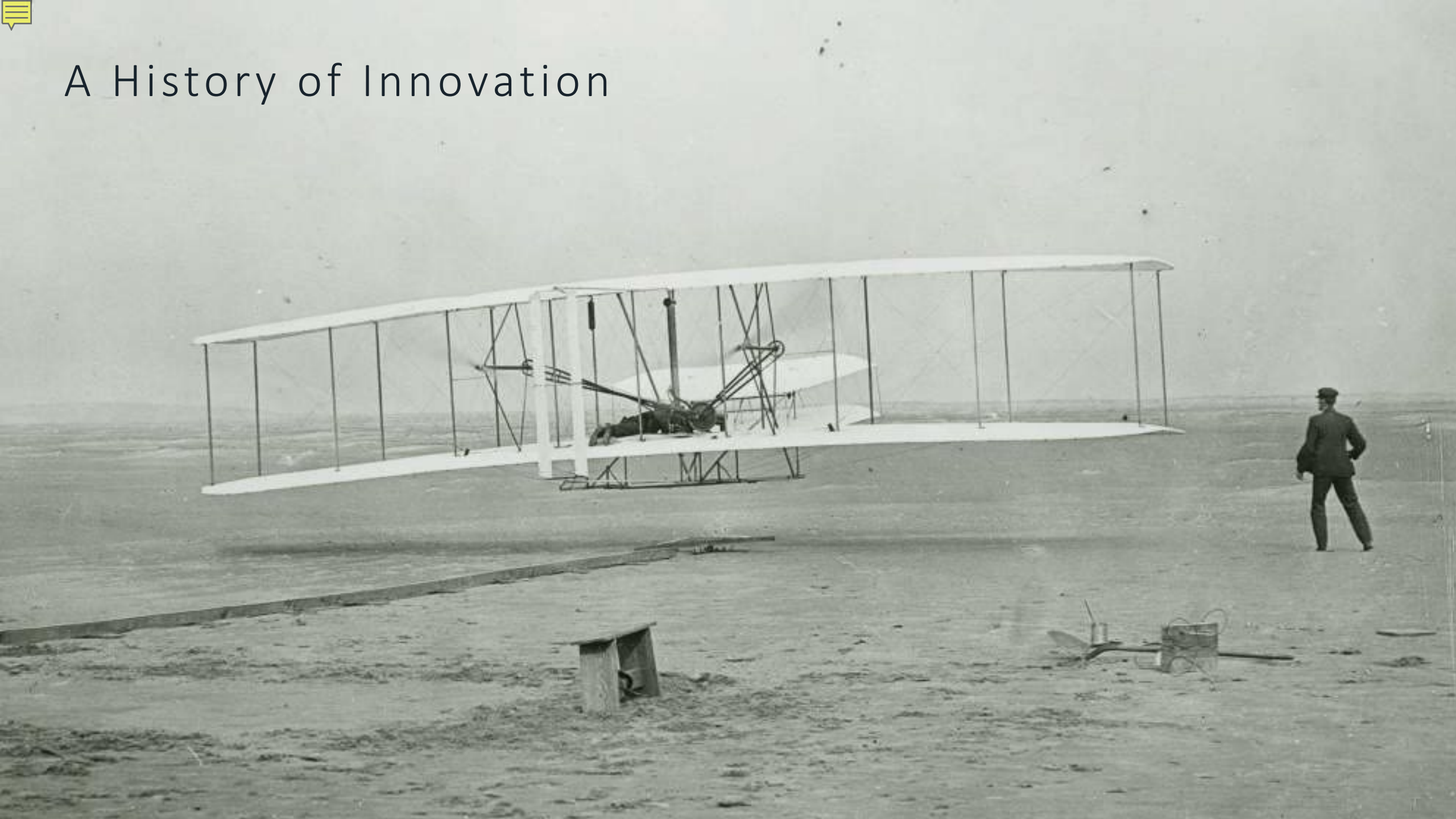
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Virgin Hyperloop One

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A History of Innovation





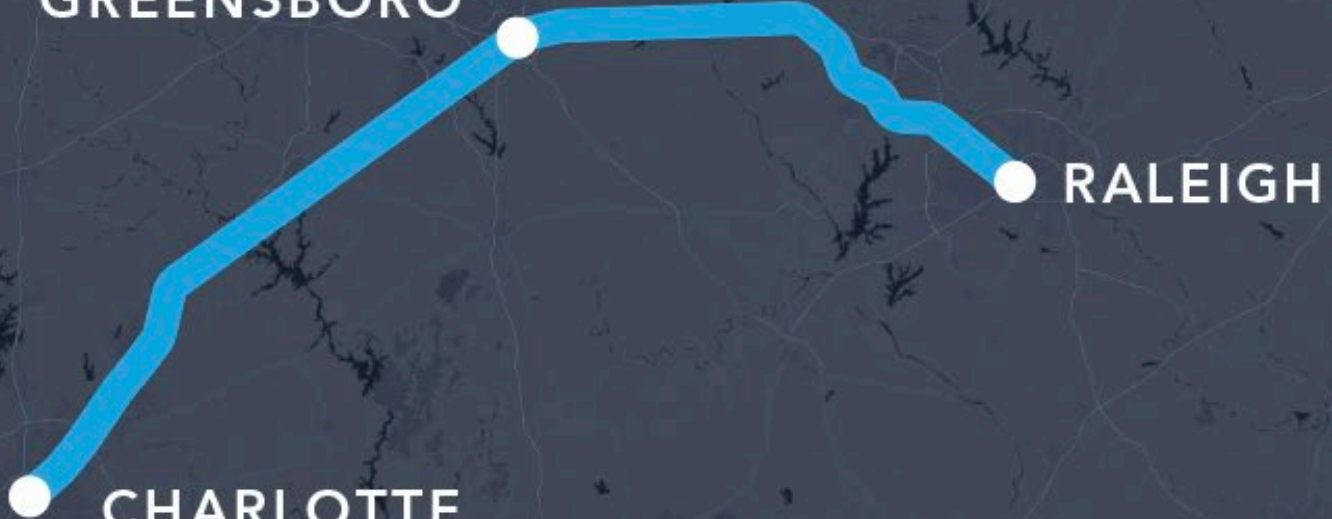
GREENSBORO



RALEIGH



CHARLOTTE





PASSENGER | CARGO

ELECTRO-MAGNETIC
PROPULSION

LOW-PRESSURE
TUBE

NEXT GEN MAGNETIC
LEVITATION

AUTONOMOUS CONTROL
PLATFORM

Virgin
hyperloop one

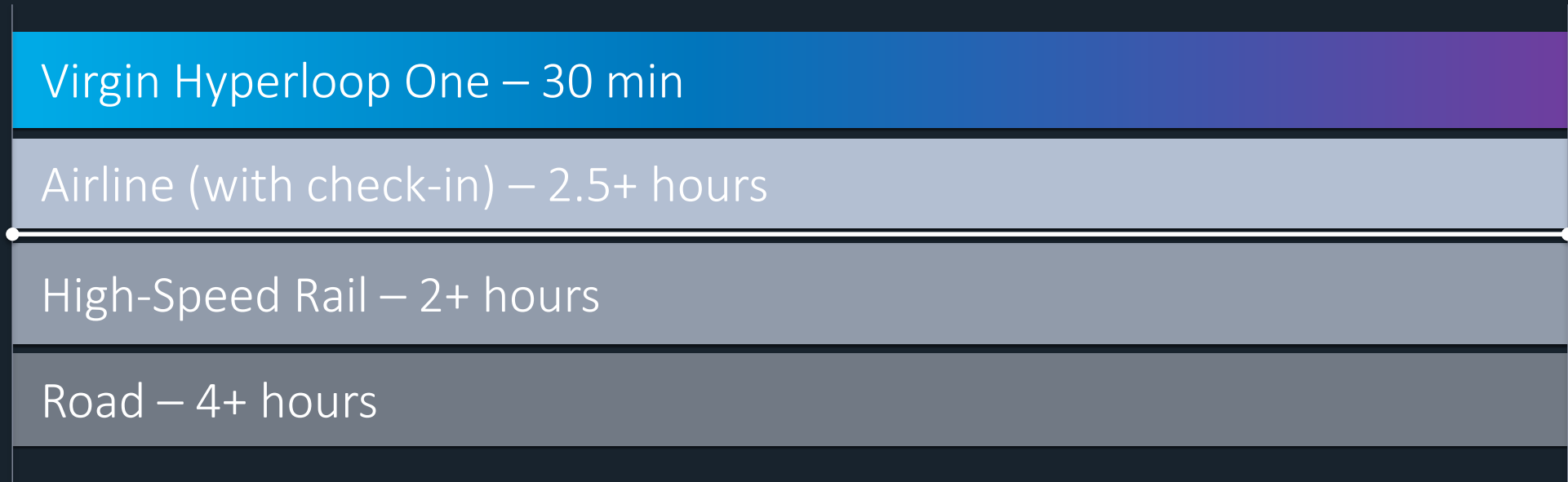


Virgin
hyperloop one

Fast, effortless journeys that expand possibilities



Eliminating The Barriers Of Distance And Time



500 km | 310 miles



Higher Energy Efficiency Per Passenger Mile

100% ELECTRIC

ZERO DIRECT EMISSIONS

RENEWABLE ENERGY
PROVIDER



Efficient Land-Use

FITS WITHIN EXISTING
RIGHT OF WAYS

ELEVATED ABOVE OR
BELOW GROUND

LESS DISRUPTION TO
PEOPLE & WILDLIFE

NCDOT Relationship

NCDOT interns got to see this technology first-hand. They came to our Los Angeles Headquarters, DevLoop test site, and Metalworks manufacturing center for a 3-day immersive workshop exploring:

- Manufacturing
- Software User Experience
- Product User Experience
- Systems Engineering
- Business Strategy
- Design Thinking
- Information Technology
- Legal and Policy



Strong Global Projects

MISSOURI

Completed feasibility study with Black & Veatch for St. Louis – Kansas City corridor

COLORADO

Partnering with State of Colorado to study a state-wide hyperloop network connecting to Denver International Airport

MIDWEST

Partnering with Columbus-area transportation agency on an environmental study and feasibility study for a Chicago-Pittsburgh hyperloop

TEXAS

Feasibility study underway between Ft. Worth and Laredo. Considered for a Tier 2 EIS study between Dallas and Ft. Worth.

SPAIN

New R&D Facility Underway

INDIA

- Pre-feasibility study completed for Maharashtra Mumbai – Pune
- Framework Agreement signed for Mumbai - Pune
- Detailed Feasibility, Financial and economic assessments completed

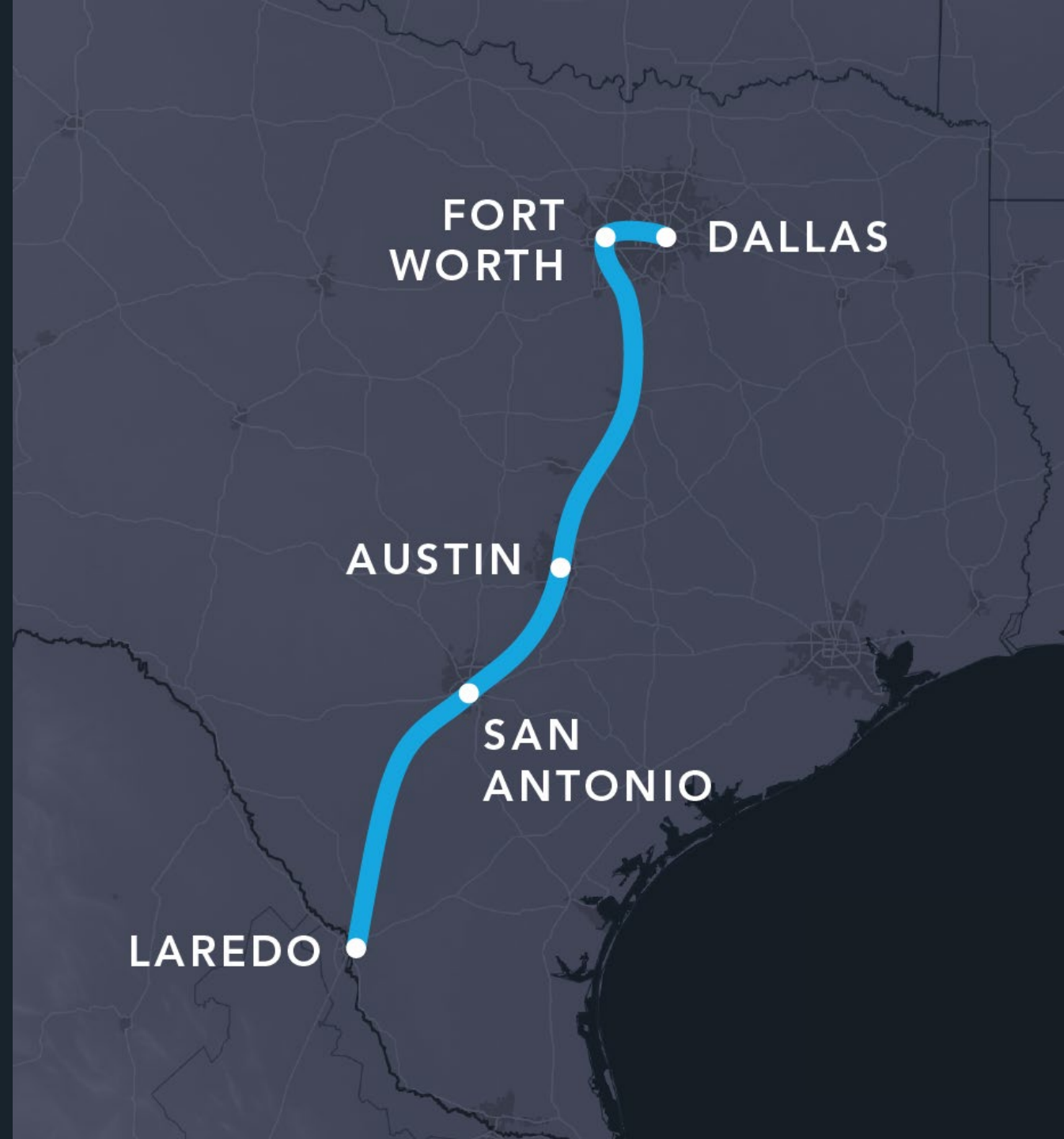
DUBAI - RTA

Initial study for a passenger system between Dubai & Dubai South

Texas

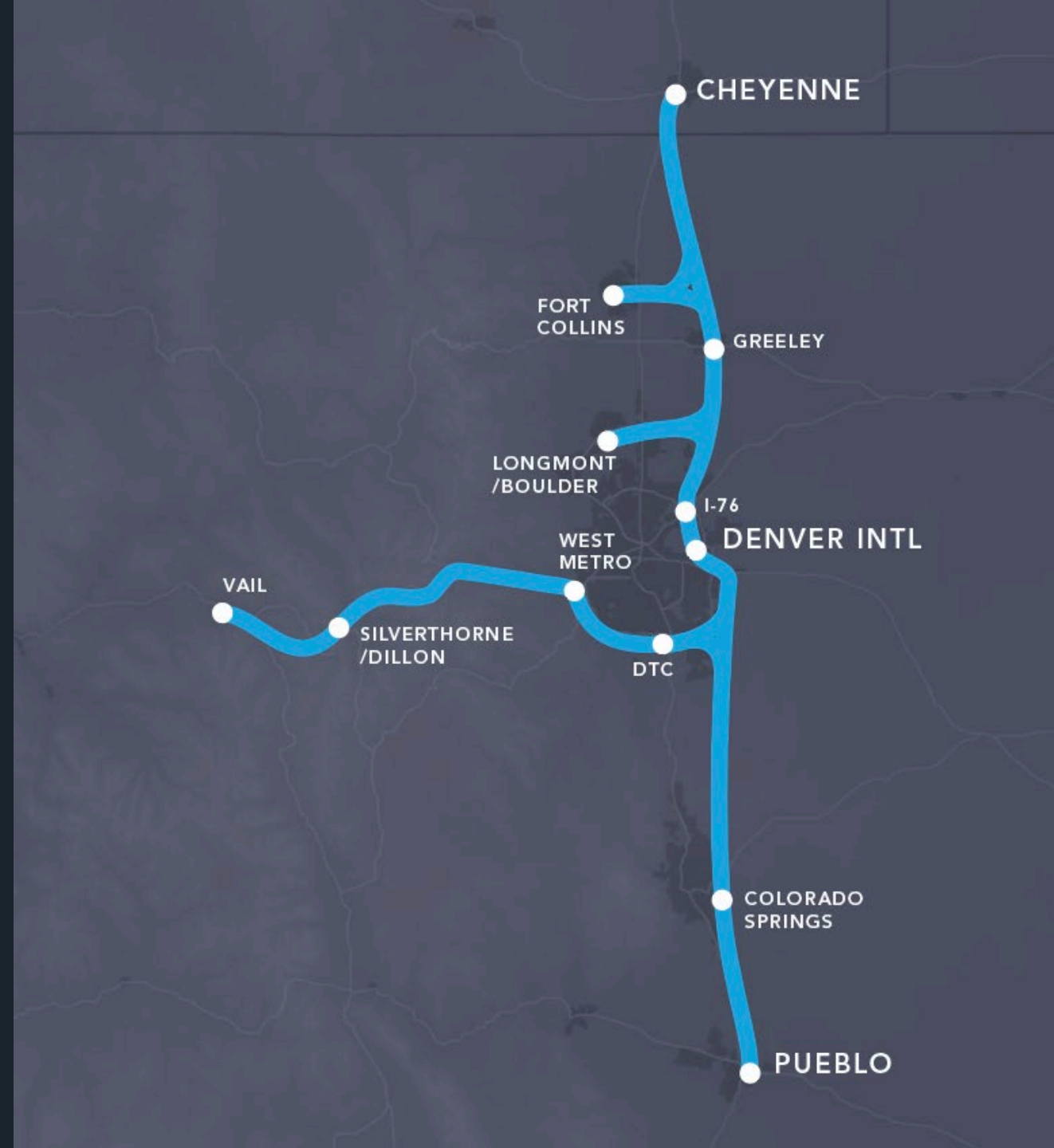
The Dallas-Ft. Worth Regional Transportation Council (RTC) are conducting a Feasibility Study of a route from Ft. Worth to Laredo, exploring both hyperloop and rail options for the corridor. The sponsors plan to move this project into an EIS following completion of the Feasibility Study.

They are also exploring a Tier 2 Environmental Impact Study (EIS) that will consider both hyperloop and high speed rail for the 30-mile corridor between Dallas and Ft. Worth.



Colorado

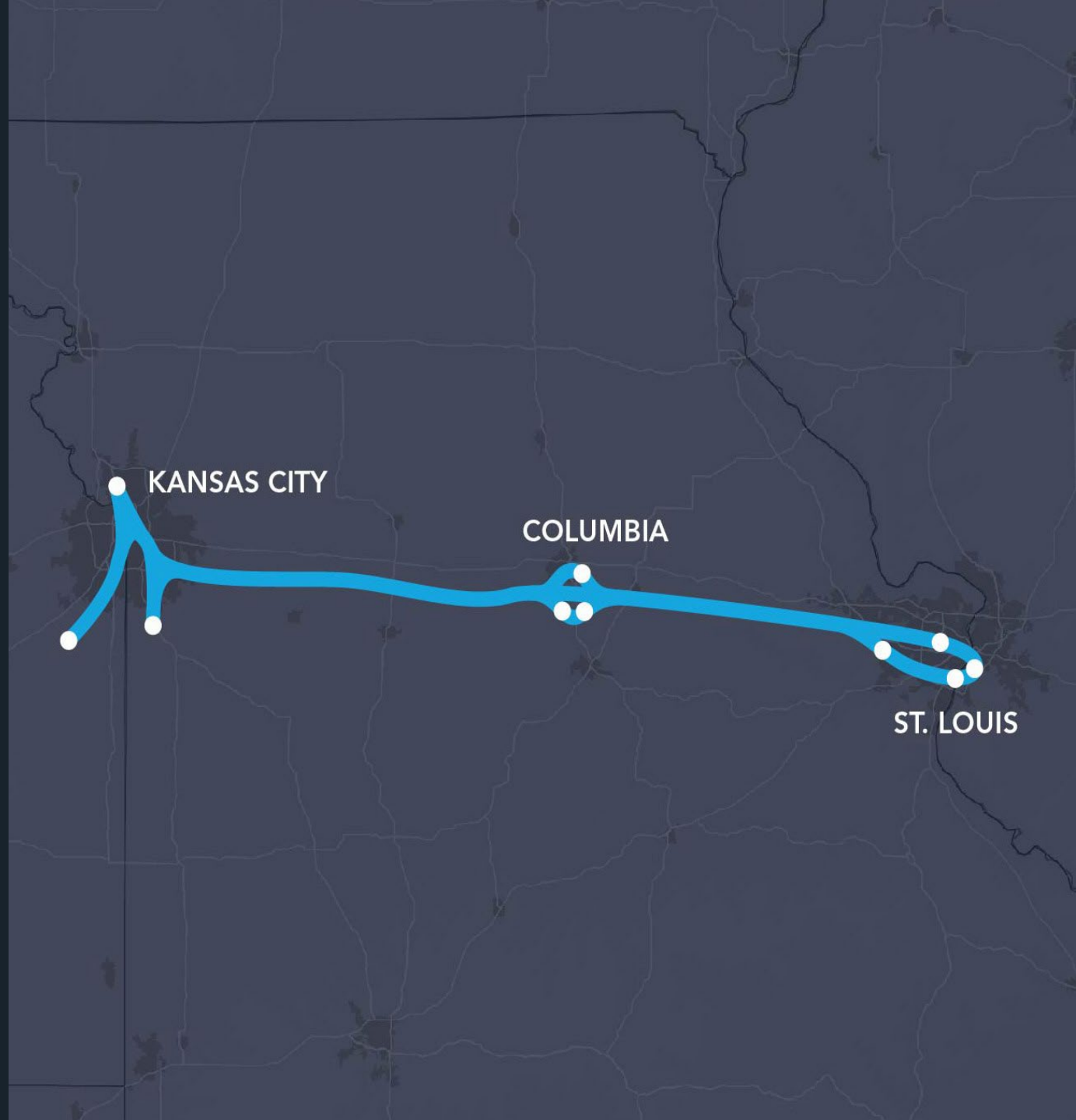
The State of Colorado is partnering with Virgin Hyperloop One to study the feasibility of a statewide hyperloop network. The route could connect anywhere in the front range in under 30 minutes and would integrate with the Denver International Airport.



Missouri

Virgin Hyperloop One is partnered with the University of Missouri, the St. Louis Chamber of Commerce, the Kansas City Tech Council, and the Missouri Hyperloop Coalition to study the feasibility of a Hyperloop along I-70 in Missouri. The Missouri DOT assisted the study partners.

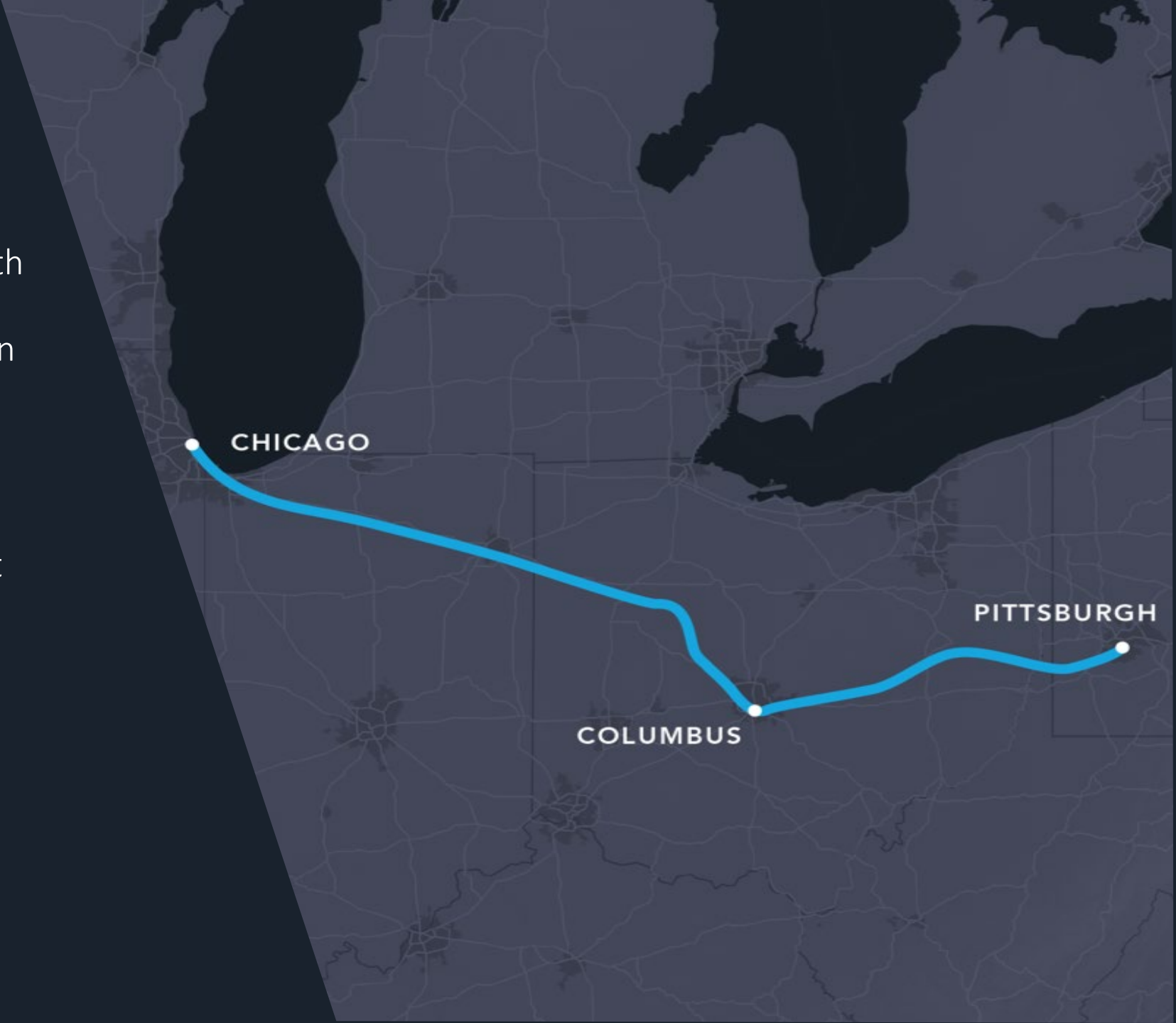
Black & Veatch, the global engineering firm who conducted the study, concluded that the cost to take hyperloop from Kansas City to St. Louis would be less than the cost of a tank of gas.



Midwest

Virgin Hyperloop One is partnering with the Mid-Ohio Regional Planning Commission (MORPC) on a \$2.5 million project to study Hyperloop between Pittsburgh and Chicago.

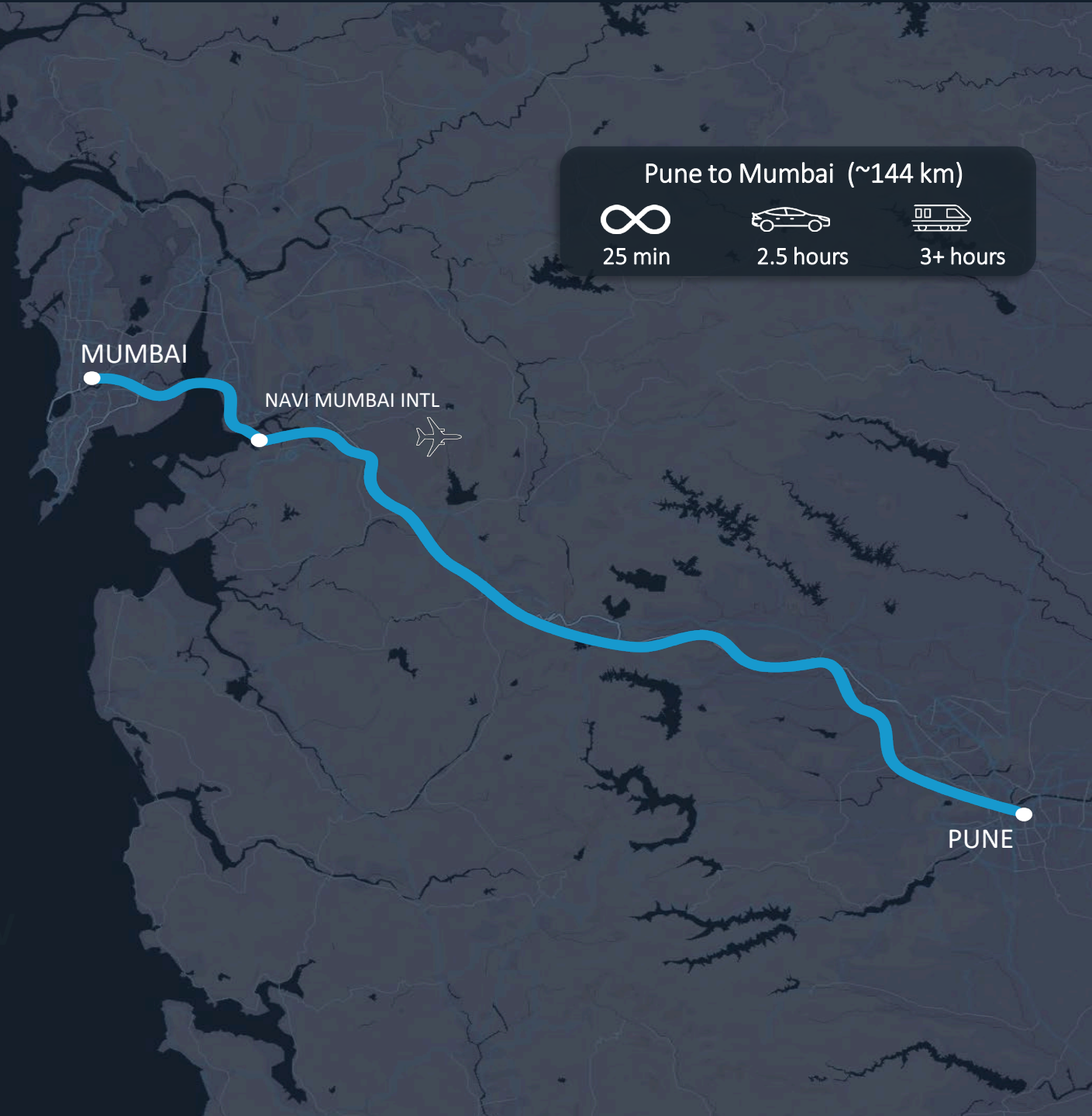
This is the first time in the world that hyperloop is included in a government Environmental Impact Study of a transportation corridor.



India

Virgin Hyperloop One signed a historic framework agreement with the government of Maharashtra to build the first commercial hyperloop route. Construction will begin in 2019 with a Demonstration Track along the route.

Virgin Hyperloop One has completed a detailed feasibility study and concept design, a detailed project report, and preliminary engineering on the route. Estimates show that hyperloop would create about 1 million direct and indirect jobs in the region.



Making Hyperloop A Reality...Now



TECHNOLOGY



PEOPLE



RESOURCES

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