

# Making Hyperloop a Reality

Ryan Kelly

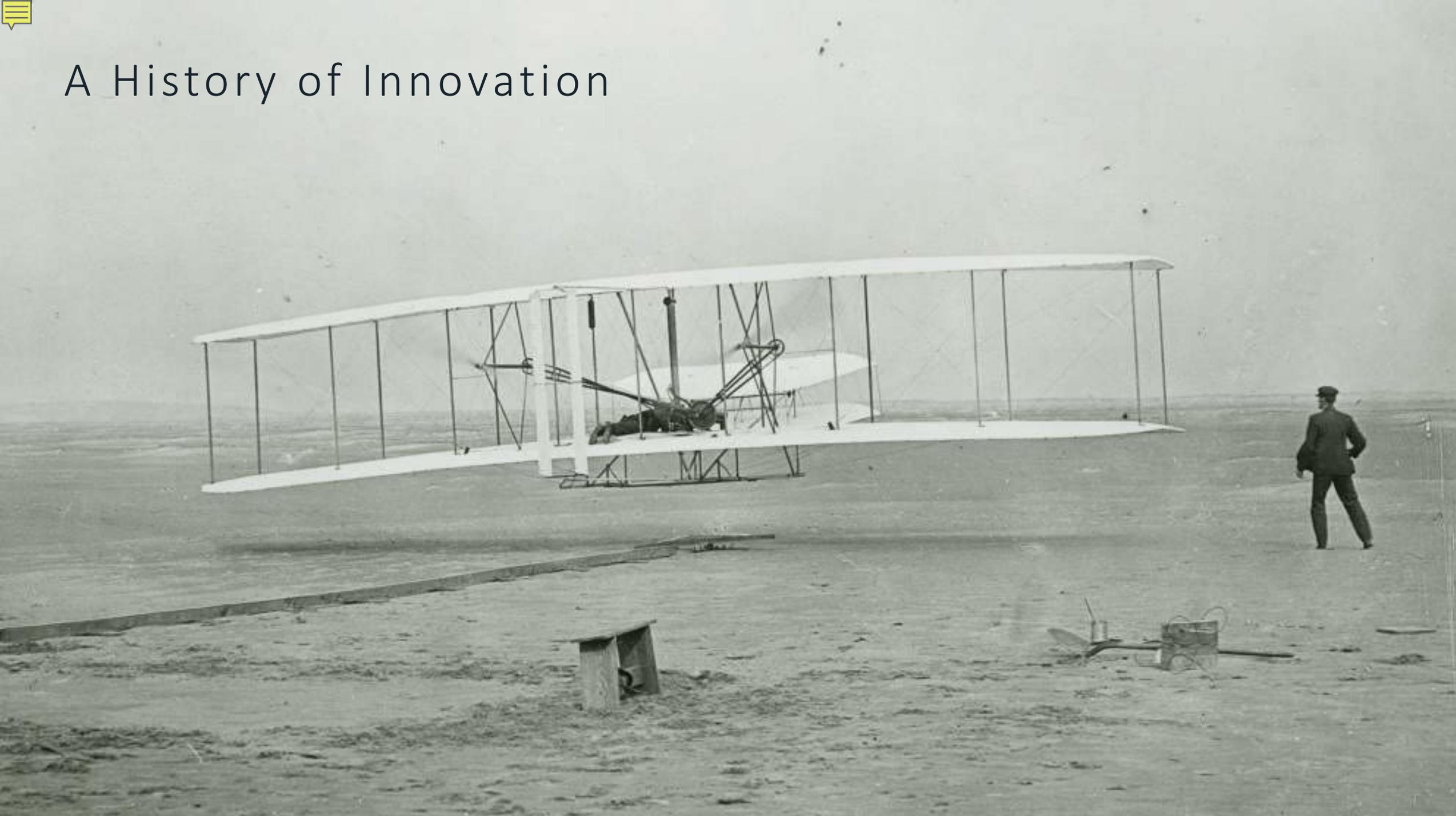
Head of Marketing and Communications

Virgin Hyperloop One

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# A History of Innovation





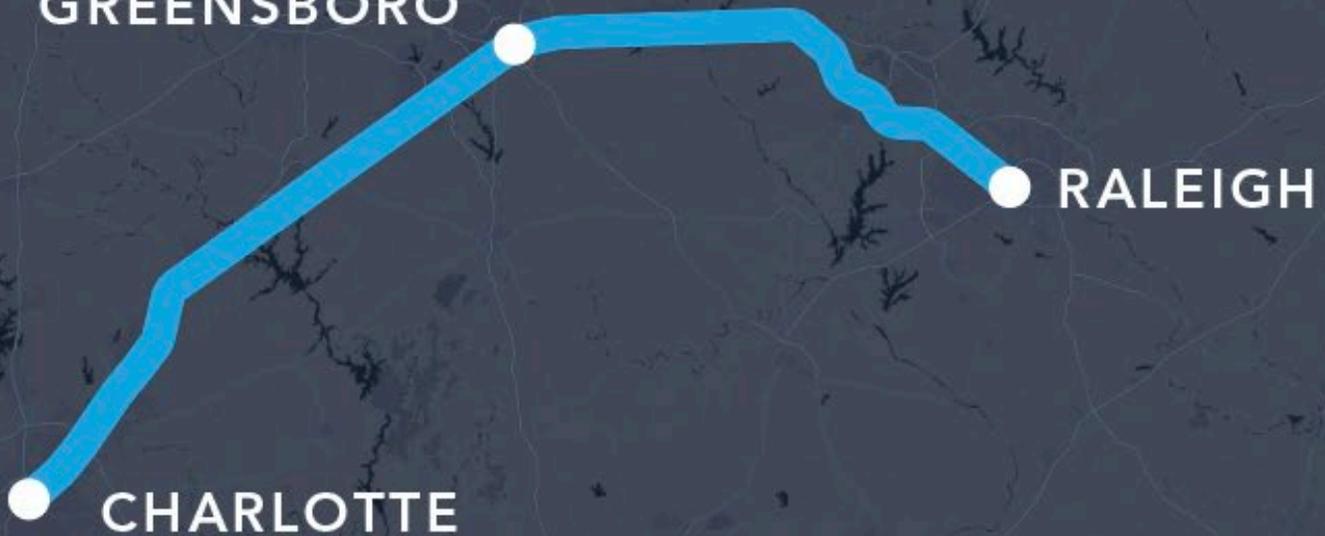
GREENSBORO



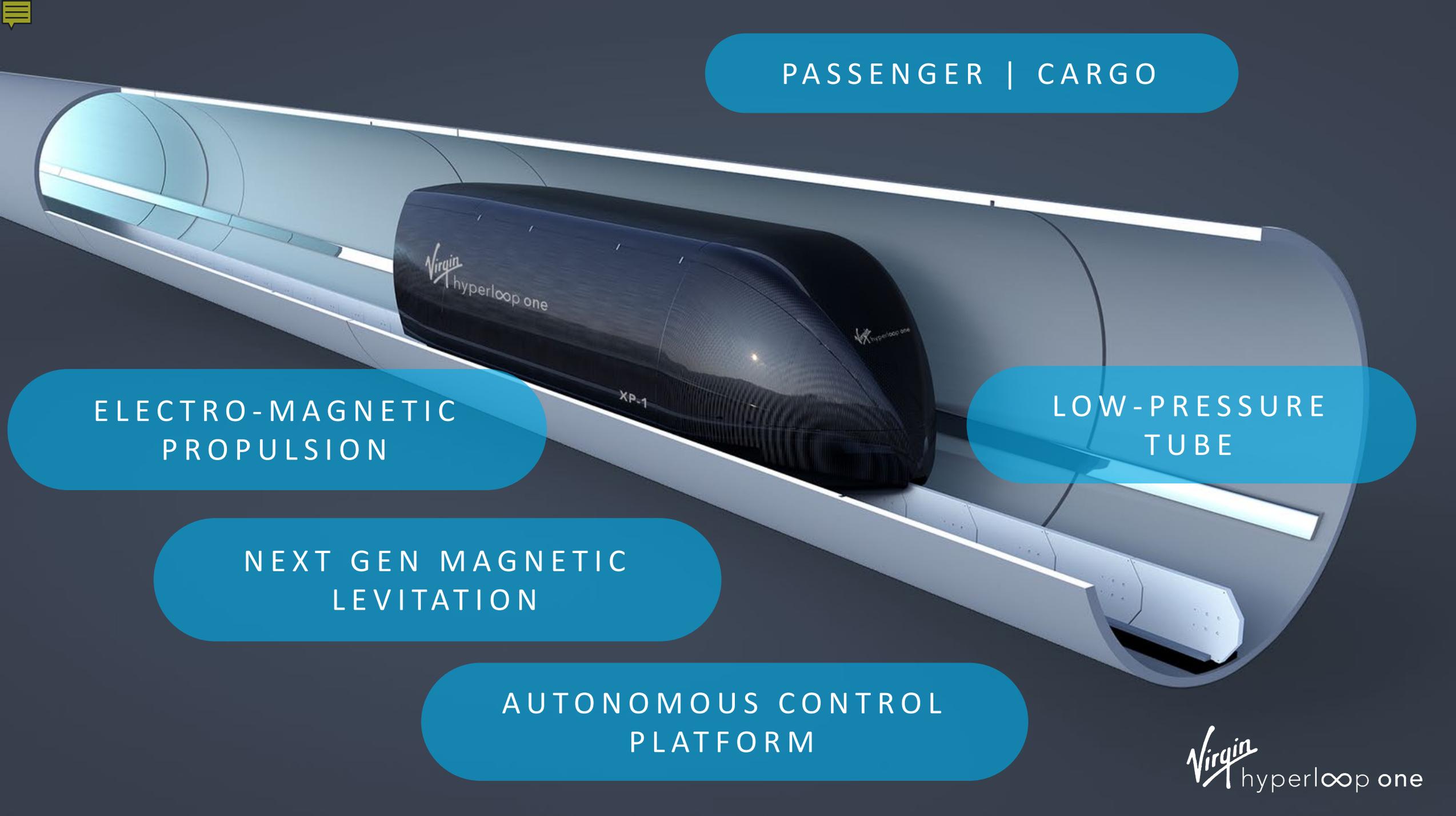
RALEIGH



CHARLOTTE







PASSENGER | CARGO

ELECTRO-MAGNETIC  
PROPULSION

LOW-PRESSURE  
TUBE

NEXT GEN MAGNETIC  
LEVITATION

AUTONOMOUS CONTROL  
PLATFORM

*Virgin*  
hyperloop one

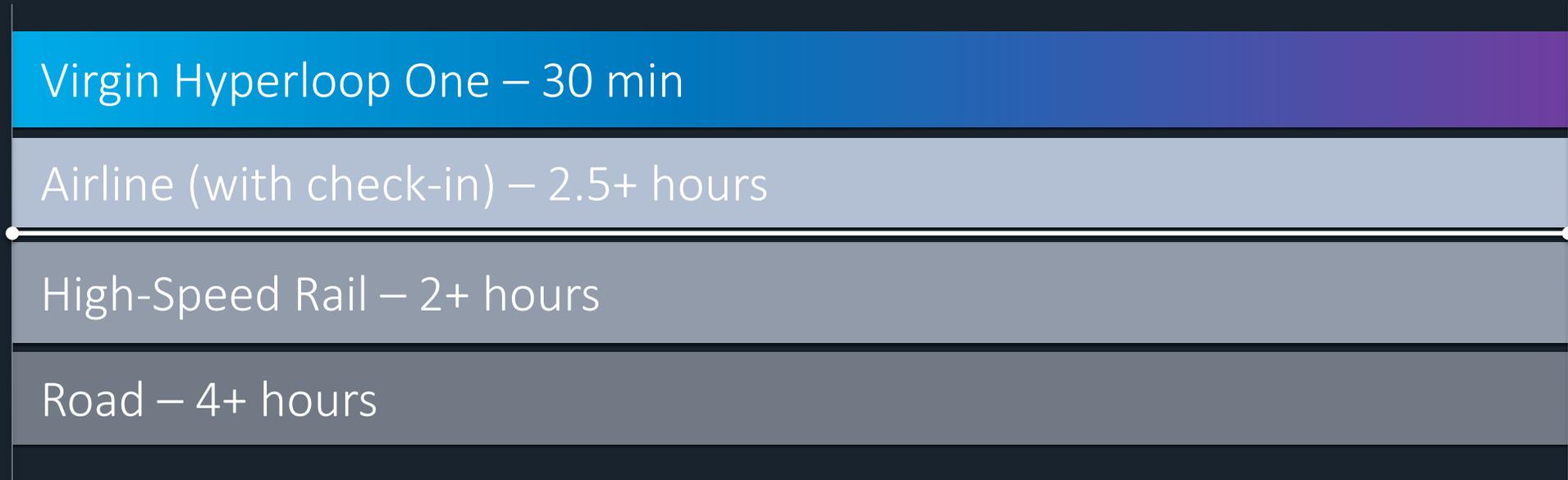


Virgin  
hyperloop one

Fast, effortless journeys that expand possibilities



# Eliminating The Barriers Of Distance And Time



500 km | 310 miles

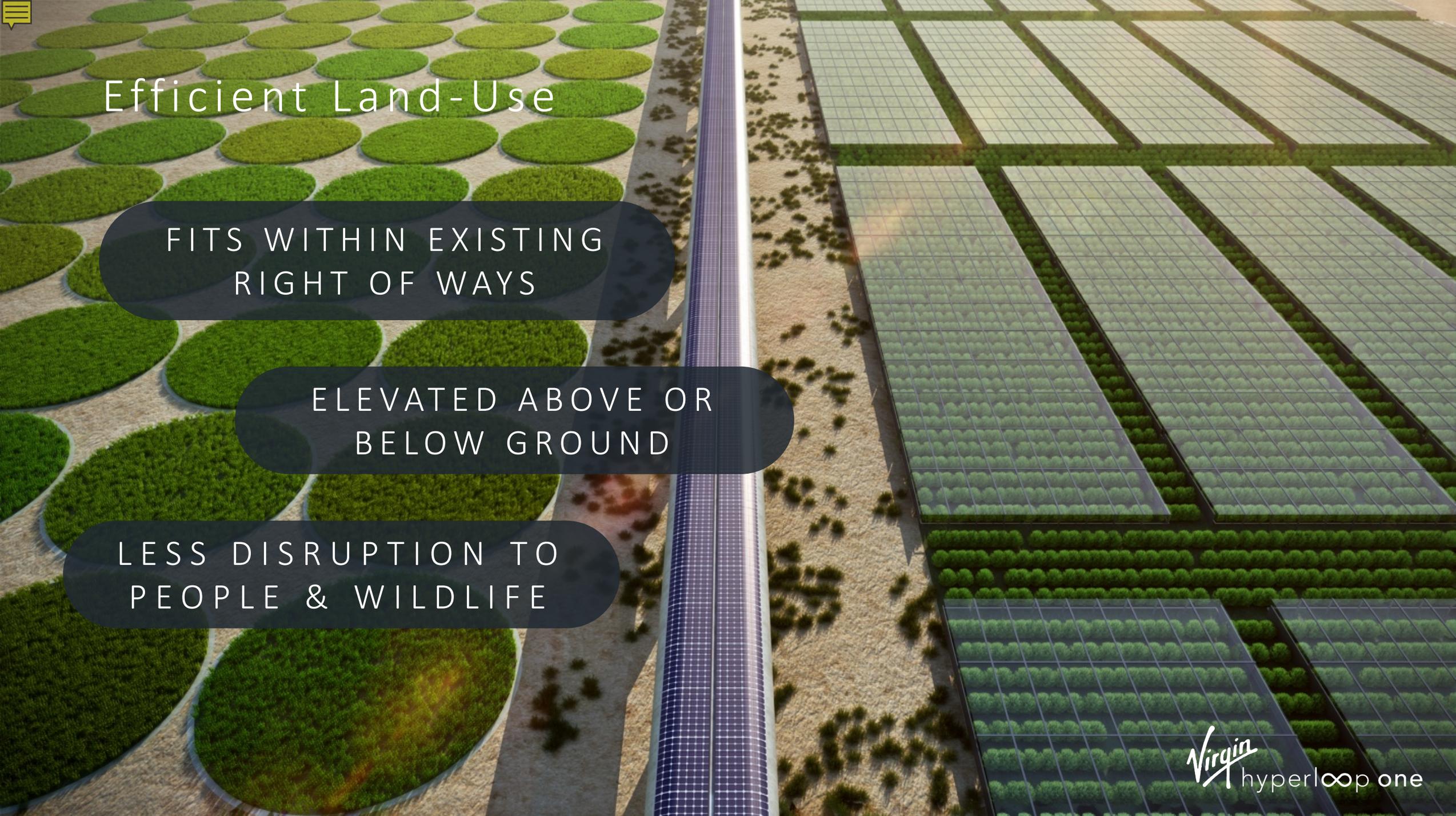


# Higher Energy Efficiency Per Passenger Mile

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

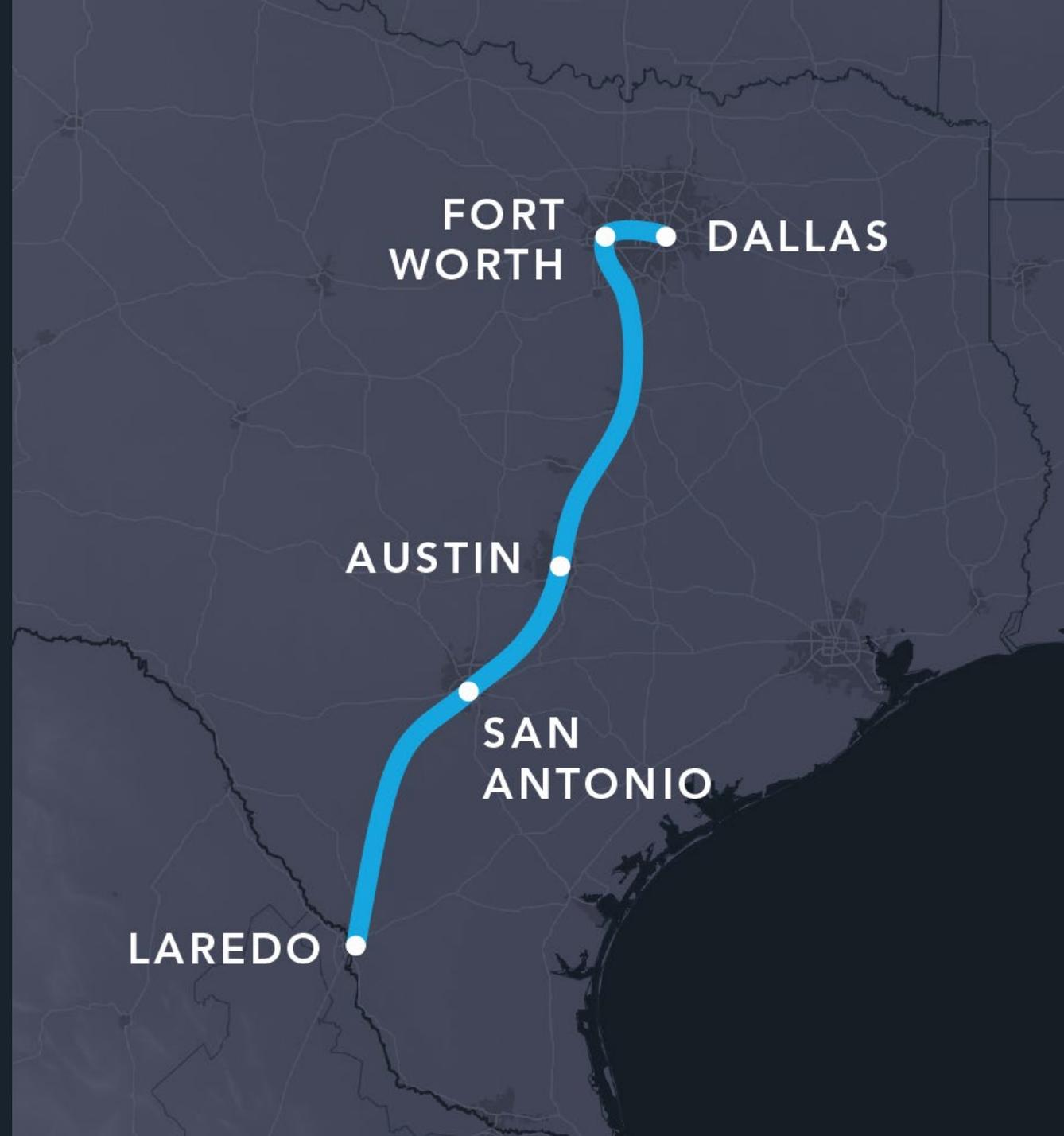
## DUBAI - RTA

Initial study for a passenger system between Dubai & Dubai South

# Texas

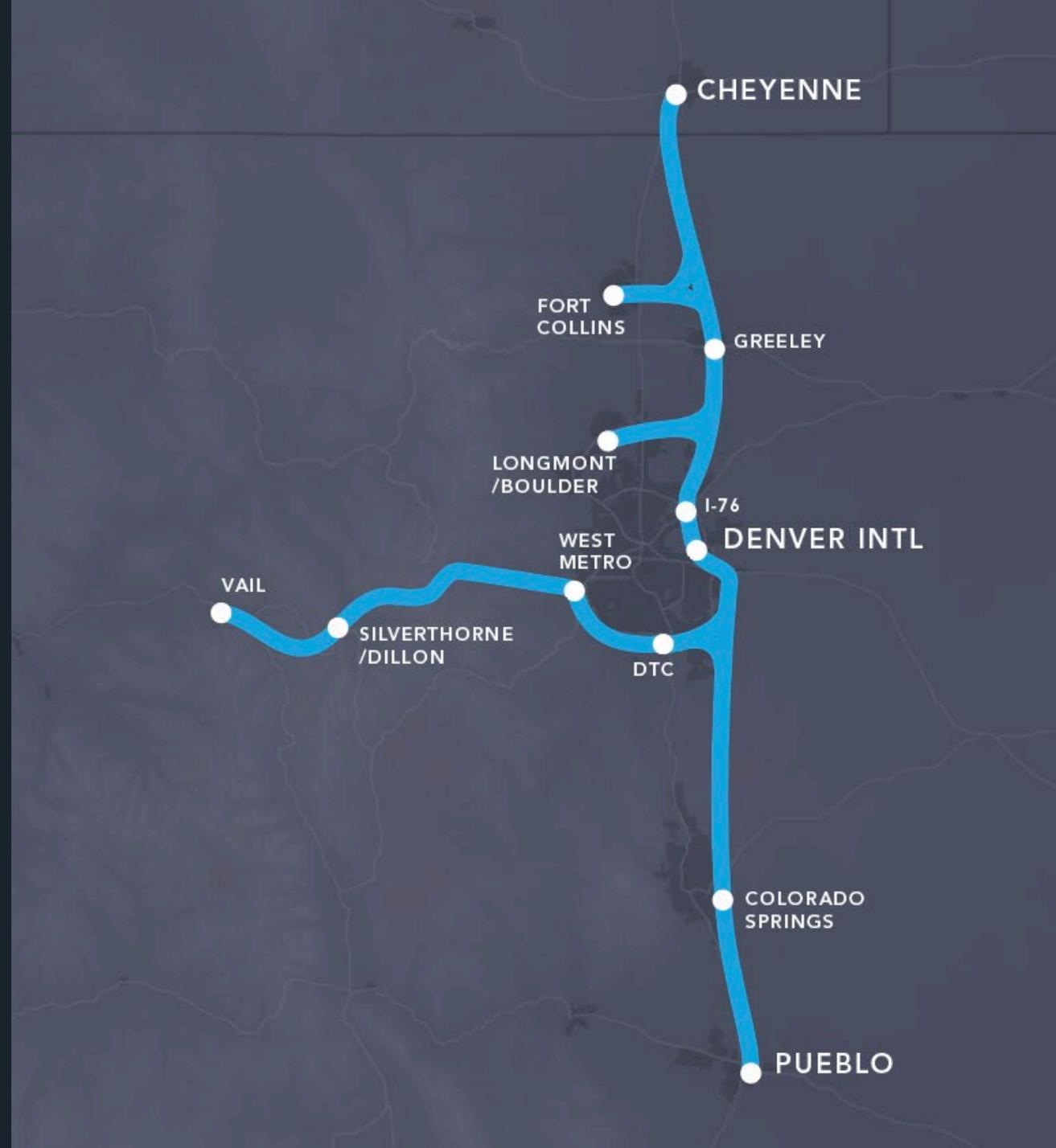
The Dallas-Ft. Worth Regional Transportation Council (RTC) are conducting a Feasibility Study of a route from Ft. Worth to Laredo, exploring both hyperloop and rail options for the corridor. The sponsors plan to move this project into an EIS following completion of the Feasibility Study.

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.

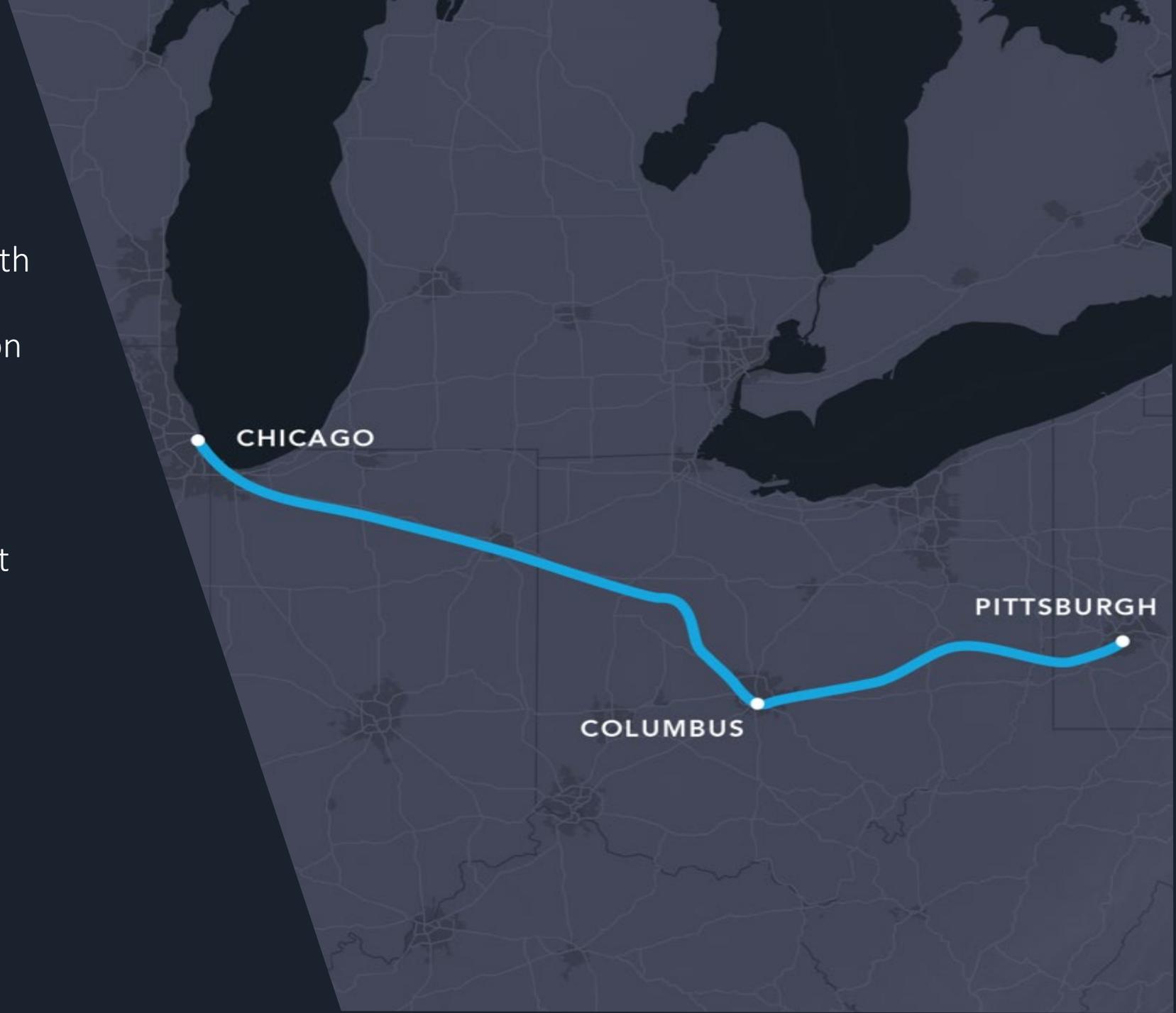




# Midwest

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.

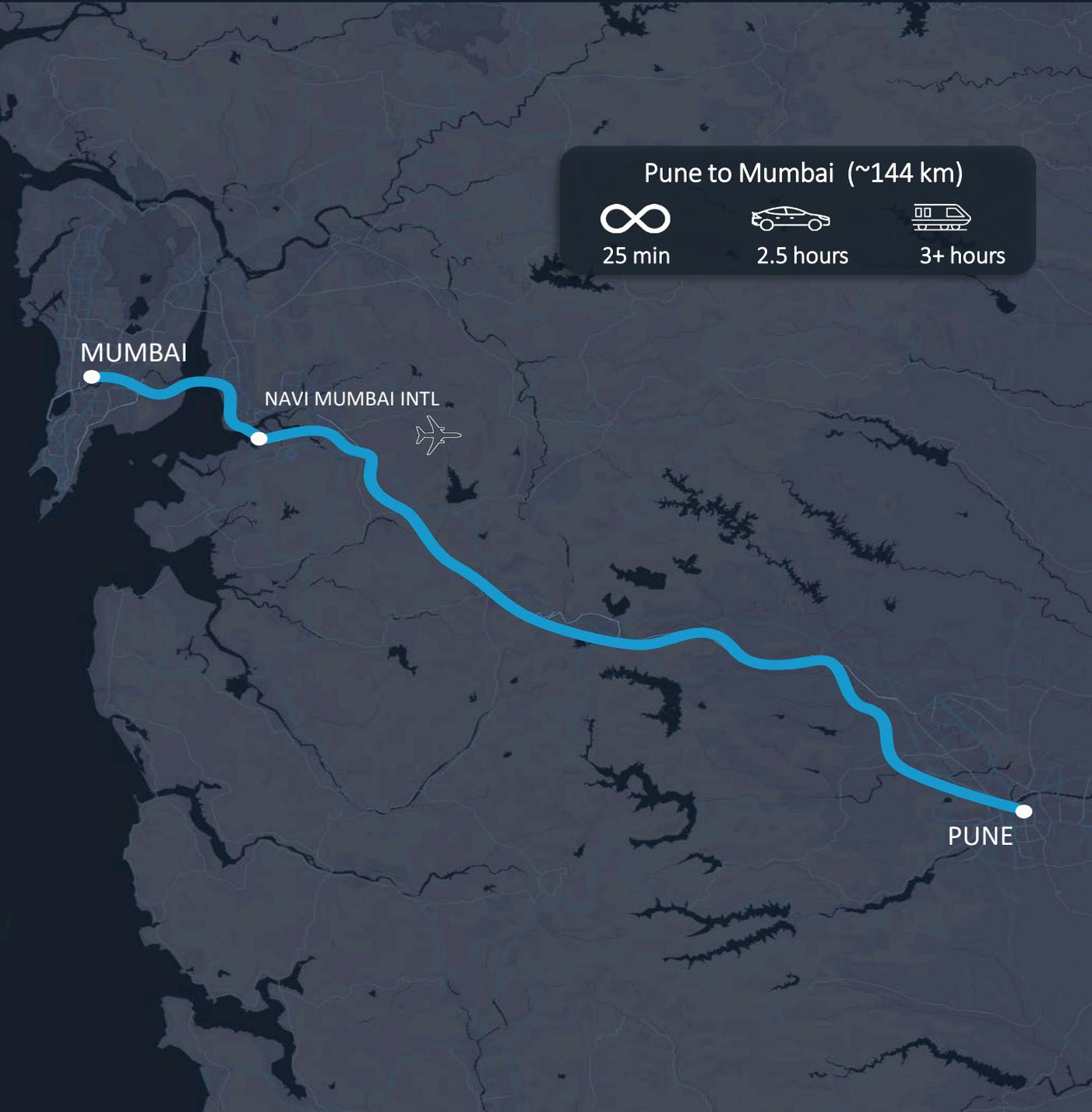
This is the first time in the world that hyperloop is included in a government Environmental Impact Study of a transportation corridor.



# 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

**NCTransportationSummit.com**

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