THE FUTURE OF TRANSPORTATION

Virgin hyperloop one

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TRANSPORTATION REVOLUTIONS CHANGE THE WORLD
Turning metro cities into metro stops

San Francisco

Las Vegas

Los Angeles

Urban Area Today
1-hour radius
Turning metro cities into metro stops

San Francisco

Las Vegas

Los Angeles

New Urban Area
1-hour radius
HYPERLOOP: A PROPOSITION FOR THE 21ST CENTURY
The first new mode of mass transportation in 100 years

Hyperloop is a new mode of transportation designed to eliminate the barriers of distance and time for both people and freight. Hyperloop can safely carry tens of thousands of passengers per hour to their destinations at speeds greater than 600 mph, with no direct emissions, at any time that fits their schedule.
Hyperloop technology at a glance.

- Passenger/Cargo Vehicle
- Low pressure environment
- Magnetic Levitation
- Electromagnetic Propulsion
- Autonomous Control Platform
Meets energy and consumer demands of coming century

- On-demand, direct, autonomous
- 100% electric
- Zero direct emissions
- Up to 10x more energy efficient than air travel
- Reduces congestion & emissions
- Efficient land use, minimal noise
Inherently Safe

- No at-grade crossings
- Fully autonomous
- Operates in enclosed environment
- Proprietary high-speed switching architecture eliminates traditional failure point
- No wheel-on-rail wear and tear
- Gradual acceleration, no turbulence
DELIVERING RESULTS IN YEARS, NOT DECADES
Visionary local leadership
Projects in the United States

Building a high-speed national network for the 21st century

**WASHINGTON**
WSDOT is studying hyperloop as a rapid speed ground transportation option to connect Vancouver, Seattle, and Portland.

**COLORADO**
Partnered with Colorado Department of Transportation to study a state-wide hyperloop network connecting to Denver International Airport.

**TEXAS**
Partnered with North Central Texas Council of Governments (NCTCOG) to study hyperloop in Tier 2 EIS study between Dallas and Ft. Worth and a feasibility study for Ft. Worth to Laredo.

**MIDWEST**
Partnered with Mid-Ohio Regional Planning Commission (MORPC) on an environmental study and a feasibility study for a Chicago-Columbus-Pittsburgh hyperloop.

**MISSOURI**
Completed feasibility study with Black & Veatch for St. Louis-Kansas City corridor; Lt. Governor chairing Blue Ribbon Panel on Hyperloop to look at funding and next steps.

**PENNSYLVANIA**
Pennsylvania Turnpike Commission has awarded a $2 million contract for a feasibility study on a cross-state hyperloop.

**NORTH CAROLINA**
Partnering with the Regional Transportation Alliance to explore hyperloop for a route connecting Raleigh-Durham, Chapel Hill, and RDU International Airport near the Research Triangle Park.
INDIA

Mumbai → Pune

- 150 million passenger journeys annually
- 1.8 million direct and indirect jobs
- $36 billion in socio-economic benefits
- Largest private infrastructure investment in the State
**MIDDLE EAST**

Dubai → Abu Dhabi

- Study commissioned to build the world's first extended test and certification hyperloop track in the Kingdom of Saudi Arabia
  - $4 billion increase in Saudi GDP
  - 124,000 high-tech localized jobs by 2030