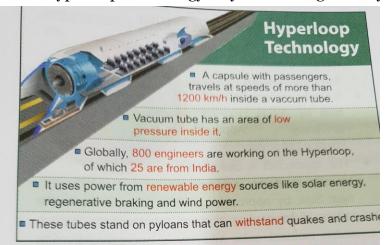
## World's First Hyper loop Technology Likely to be in Mumbai and Pune



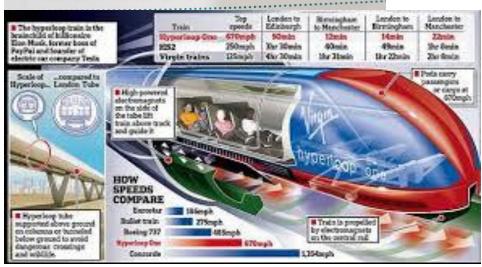
Written & Composed by: Bonani Dhar, Adviser FSDC Development Sociologist Ex-World bank & UN

Hyperloop Technology is system of magnetically levitating capsules that are sent



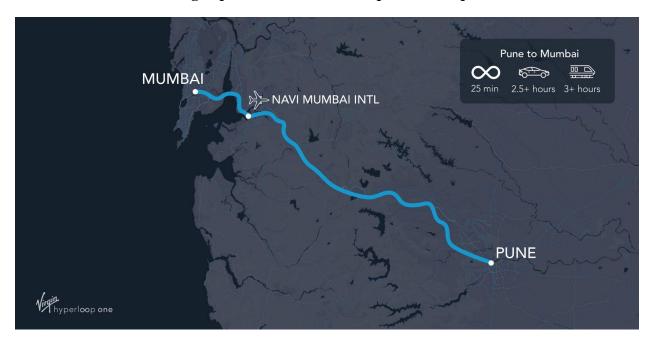
at high speed through lowpressure tubes. It envisages tube modular transport system that runs free of friction. It uses linear Induction motion in it to control speed of pods.

• Hyperloop is claimed to be two-to-three times faster that fastest high speed rail and can achieve speed even greater than commercial air travel.



However, it is still in trial stages in different countries and not been implemented for practical use anywhere in the world yet.

• Hyperloop system's capital cost per mile is less than that of high speed rail and is less expensive to operate.



- The Virgin Group has signed agreement with Maharashtra Government to build world's first Hyperloop Transportation System between Mumbai and Pune.
- The Foundation Stone for the Project was laid at Magnetic Maharashtra Investor's summit held in Mumbai.
- It will link Central Pune with Navi Mumbai International Airport. It aims to reduce travel time between two Mega Cities to 20 minutes from three hours at present.

https://www.youtube.com/watch?v=7A7GsAPR3J0

## Hyperloop explained

Hyperloop brings airplane speeds to ground level, safely. Passengers and cargo capsules will hover through a network of low-pressure tubes between cities and transforming travel time from hours to minutes.

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https://www.youtube.com/watch?v=zK4yN8S2H0E

## India likely to get Hyperloop Transportation Sytem between Amaravati and Vijayawada and will begin soon, followed by linking up of other cities.

Speaking to reporters on the sidelines of CII Partnership Summit in Visakhapatnam on Saturday, chairman and co-founder of Hyperloop Transportation Technologies, Bibop Gresta, said that travelling between the two cities would only be a matter of minutes.

He stated that Amaravati was a good place to start as the environment is unique, saying, "You have a density of population, a lack of infrastructure, and a need for a faster, sustainable and efficient way to move people and goods."

"Our technology is totally different. We have created a system that uses a combination of renewable energy to generate more electricity than it consumes. This ensures affordable cost of construction and maintenance... the capsule can move at a very high speed with very little energy, making the system highly efficient," he <u>was quoted</u> as saying.

In September last year, Andhra Pradesh said that it would kickstart a feasibility study to develop a Hyperloop between Amaravati and Vijayawada, as the AP Economic Development Board (AP-EDB) and US-based Hyperloop Transportation Technologies (HTT) signed a memorandum of understanding (MoU).

"The study will not only tell us about the feasibility of the project, but also its profitability. Once that is done and if the chief minister gives us the go-ahead, we will be ready to roll out the project," Gresta <u>said</u>, adding that it could take around four to five years to finish the project.

**Hyperloop, an idea from Tesla CEO and Space X Founder Elon Musk**, boasts of a transportation system which proposes to propel a pod-like vehicle through a near-vacuum tube at nearly 1,100 km per hour and above.

The pod lifts off the track using magnetic levitation and glides at aircraft speeds for long distances, owing to ultra-low aerodynamic drag.

In March last year, Los Angeles-based company Hyperloop One announced a proposal to evaluate construction of five lines in India. It said that the five proposed lines include Bengaluru to Chennai, Mumbai to Chennai via Bengaluru, Bengaluru to Thiruvananthapuram, Mumbai to Delhi and Mumbai to Kolkata.

If the proposed plane comes to life, the company said that people can reach Chennai from Bengaluru in 20 minutes. The 1,102 km Mumbai to Chennai via Bengaluru line was slated to have a travel period of 50 minutes.

The company has developed a test track titled 'DevLoop' in the Nevada Desert in the United States of America. The company has been eyeing India as a key customer for the developing technology.

But lest one gets too excited about this possibility, it should be noted that Hyperloop is a futuristic and highly expensive technology, and is still many stages away from being commercially deployed.

## Best Regards.

Dr. Joy Banerjee,
An Alumnus of IIT (KGP), Arthur D. Little Boston, USA, Ex-World Bank, USA
Group Director
Chameli Devi Group of Institutions
Indore, M.P.
Email: director@cdgi.edu.in
Phone: 0731- 4243602

+91-9617426564, +919811021727