

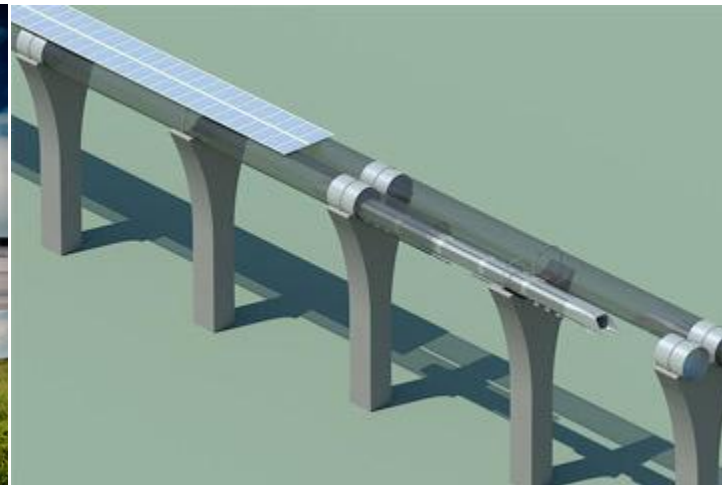
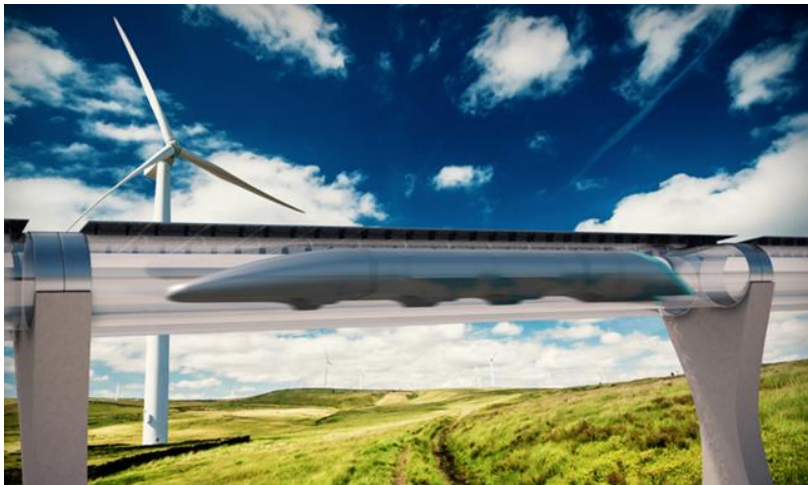
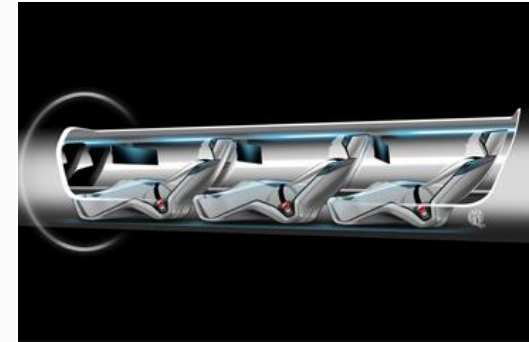
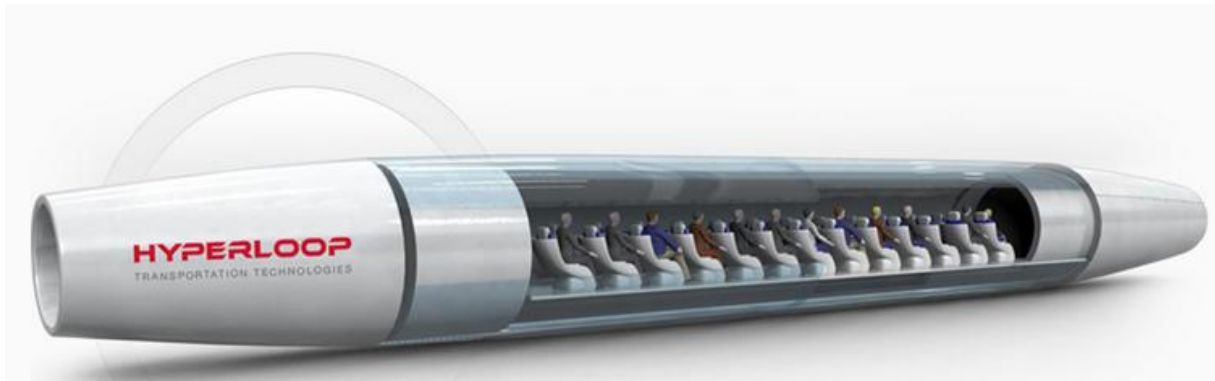
What Will Come In 2020?

While the California High-Speed Rail seems so much faster than today's Amtrak trains, imagine if you could travel between San Francisco and Los Angeles in just 34 minutes. While that seems like a fantasy, two companies are working on Hyperloop Travel.

What is the Hyperloop?

- ┆ It uses electric propulsion to accelerate a passenger or cargo vehicle through a tube in a low-pressure environment
- ┆ Quick, safe, efficient, on-demand, minimal-environmental-impact system
- ┆ Autonomous vehicle levitates slightly above the track and glides at the speed of sound (760 mph!) over long distances
- ┆ Eliminates direct emissions, noise, delay, weather concerns, and pilot error
- ┆ Can be built over currently-existing transportation systems (like freeways), because it can be built on pylons
- ┆ Completely self-sustaining as it is 100% powered by solar energy and other renewable energy sources

What will the Hyperloop look like?



- ┆ Between San Francisco and Los Angeles, it is estimated to cost \$7-\$16 billion to build
- ┆ Ticket costs are not yet fixed, but initial estimates indicate state that a one-way ticket price would be below \$30 for travel between San Francisco and Los Angeles

The Science Behind Elon Musk's Hyperloop:

- ┆ Steel tubes that pods go through are mounted on pillars spaced every 100 feet or so, that are 20, 50, or 100 feet of the ground, depending on the terrain
- ┆ Each pod leaves about every 30 seconds, spaced about 23 miles apart (on average)
- ┆ Pods are designed to hold 28 people seated in 14 rows of two, along with a luggage compartment in one end
- ┆ Larger pods could hold a car
- ┆ Maximum pod height is 6.11 feet, maximum width is 4.43 feet

Proposed Route of the Hyperloop:

- ┆ Between Los Angeles and San Francisco, following I-5 to 580 to 880 in Oakland to San Francisco near the San Francisco Bay Bridge
- ┆ Most of the route is along I-5 to eliminate the need to buy new land
- ┆ Near parts of Tejon Pass in Southern California, the route would deviate from I-5 to avoid curves that would make passengers feel ill
- ┆ Route extensions could include trips to Sacramento, Fresno, Las Vegas, and San Diego

The Hyperloop plan is also being considered in other places, like transporting passengers between Seattle and Portland in just 15 minutes.