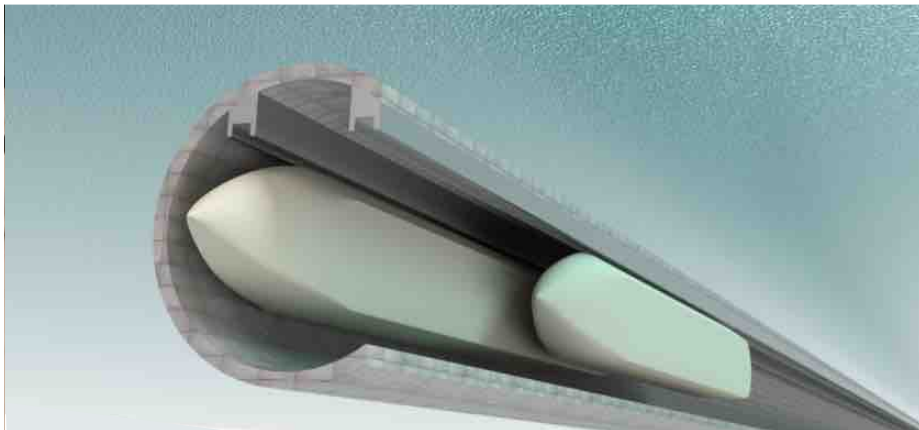
Transit X™

Maglev Podway™

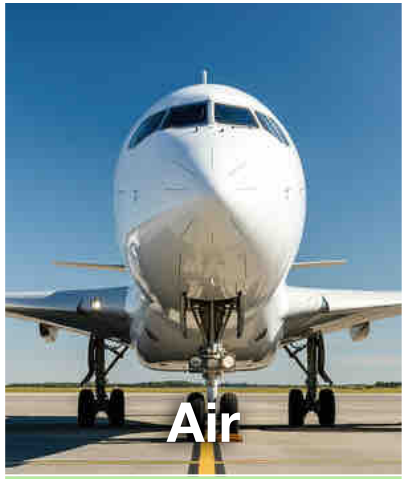
The Future of Long-Distance Transport

Where Speed Meets Sustainability



What is Maglev?
Maglev (short for magnetic levitation) uses magnetic forces to lift and move vehicles without physical contact — eliminating friction for faster, smoother, and quieter travel.

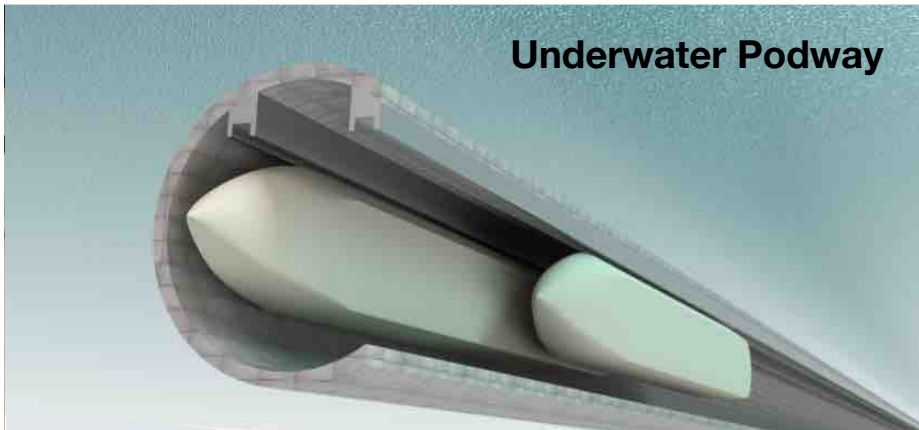
Tradeoffs of Long-Distance Transport

 Ship	 Air	 Rail	 HSR	 Trucks / Cars
Lowest cost	**Fastest**	**Low cost**	**Fast**	**Convenient**
Slow	**High cost**	**Inflexible**	**Inflexible**	**Not safe**

All have negative impact: CO2, Pollution, Land Use, Disruption

Solution: **Maglev Podway**

High Speed	Non-stop. Up to 1000 km/h (620 mph)
High Capacity	40,000 passengers per hour 5,000 tons per hour (~166 trucks)
Low Cost	Lower cost than trucks. Similar to heavy rail. Profitable.
On Demand	24/7. No schedules. No waiting.
Over land & sea	Over land, ocean, desert, and mountains. Any distance.
Tiny Footprint	Alongside existing highways. No stations, ports, or dedicated land.
No Pollution	Low carbon footprint. No emissions. Uses 100% renewable energy.
First-Last Mile	Seamless integration with local podway and mini podways
Rapid rollout	Manufactured infrastructure. Semi-automated install. No disruption.
People & freight	All people. Bulk goods, pallets, packages, refrig, liquids, and hazmat.
Extremely Safe	Automated. Grade-separated. Light weight. Fail safe design.



What is the top mode of transport?

Highest capacity
over land

Highest capacity
over water

Fastest

Lowest impact
(carbon, pollution, land)

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Maglev Podway

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Maglev Podway

Maglev Podway vs. Existing Transport

Podway: **10x faster than by sea with freight charges of heavy rail**

Criteria:	Maglev Podway	Heavy Rail	High-Speed Rail	Trucks & Cars	Ships	Air
Speed (average km/h)	500–1000	60–100	250–300	60–90	30–40	300–900 (slow at ends)
Capacity per track/lane tons/hr (pax/hr)	5,000 (20,000)	5,000 (20,000)	1,000 (6,000)	3,000 (1,800)	*100,000 per ship*	*50t per ship (500 per ship)*
Charges / Fare (per t-km or pax-km)	Low	Low	Moderate	Moderate	Very Low	High
Capital Cost (per km, two-way)	Low $12M/km	Moderate $20M/km	High $50M/km	Moderate $15M/km highway	Low New Seaport + Ship	Low New Airport + Plane
Efficiency (Energy use)	Very High	High	High	Low	Very High	Low
Impact CO2 Pollution Land use	Excellent	Moderate	Moderate	Poor	Poor	Poor
Safety	Very High	High	Very High	Low	Moderate	Very High
Travel across	Land & Sea	Land	Land	Land	Sea	Land & Sea

Maglev Podway — *Unique Features & Benefits*

Lightweight suspended maglev pods improve stability and reduce structure's size (and cost)

Steep banking (up to 50°) maintains high speeds through curves and junctions

Fully automated system enables short headways (10s) and pod trains that deliver ultra-high capacity

Compact aerodynamic design and **on-board batteries** eliminate the need for pantographs & catenary wires and increase efficiency and speed

Dual tracks and **high-speed switching** enables a fast merge and exit that maximizes capacity

Hubs seamlessly **integrate with local podway** networks — no large stations or parking required

Submerged Tunnel — *Unique Features & Benefits*

- **Neutrally buoyant**, fiber-reinforced concrete tubes for strength and durability
- Positioned **5–30 meters below** the surface —allows unrestricted ship traffic
- Operates at normal **atmospheric pressure** —no need for pressurization
- Innovative **ventilation system** ensures safety and comfort
- **Anchoring system** without disrupting seabed or marine ecosystems
- Deployable at **any depth** of water
- Enables **offshore ports**, marinas, and new coastal access
- Add capacity by **adding tunnels**
- **Fail-safe** with rapid evacuation capability

Why Conventional Maglev isn't viable:

1. Requires entirely **new right-of-way**, making deployment slow and expensive.

2. **Heavy vehicles** and **track-based propulsion** increase infrastructure and maintenance costs.

3. **Overhead power** limits maximum speed and energy efficiency.

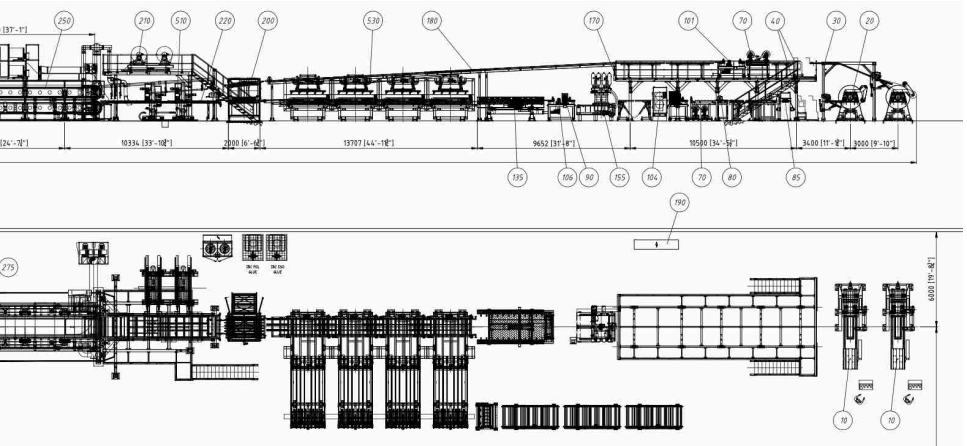

"Have you built these types of systems?"
Capgemini engineering
Systems engineer for Maglev Podway
Capgemini is a leader in:
• High speed rail & maglev
• Automated Transit
• Elevators
• Autonomous Vehicles
Capgemini is the largest systems engineering company in the world.

Manufactured Infrastructure & Fast Construction

To build over 15 types of factory lines for manufacturing infrastructure and multiple vehicle types.

To build global manufacturing across North America, Africa, Europe, and Asia.

Technology developed in the U.S.



Elevated

Manufactured guideways, switches, and support posts.

Stainless steel exterior, aluminum rail, and composites.

Semi-automated installation with aerial podway extension system.

Lightweight foundations.

Underground

Semi-automated, electric, small-diameter tunnel boring machine (TBM). Uses podway during construction to transport workers, materials, and spoil.

Dual tunnels with emergency cross-overs. Innovative fresh-air ventilation system.

Ocean

Construct 100m tunnel segments near shore on floating barges

Tunnel segments are towed to site and installed above water line. Underwater drones install anchors and high-strength cables.

Fiber optic cables can lay on top

Proposals & Feasibility Studies

- Low capital costs (~$12M/km)
- Carbon Credit financing
- Privately funded

NATIONAL PODWAY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