

A proposal for a privately-financed podway to transport people and goods for

## Edinburgh, Scotland, UK

275 km network with  
17,529 pods and 1,388 stops serving  
80% of population within a 4 min. walk.

**High capacity • High speed • Nonstop • 24/7  
Sustainable • Zero Wait • Door-to-door • Resilient**

222 MW solar & wind generation to power 23,880 households.



We propose to build and operate a privately-financed public transit podway that eliminates issues with **traffic congestion, parking, pollution, and safety.**

Please watch a 6-minute presentation at [transitx.com/v](http://transitx.com/v)



A podway is a fleet of automated electric vehicles (pods) for passengers and freight on a micro-guideway providing equitable public transportation to replace cars, buses, trains, and trucks.

### Privately Financed

No government funding, subsidies, guarantees or special tax incentives are necessary. The system is very low cost so revenue from fares, freight, renewables and advertising makes it profitable.

### Equitable fares

75% of fares are capped based on the Fair Fare Formula. The price of a typical shared 13 km trip is 1.55 GBP (US\$2.26) or 0.12 GBP per km (US\$0.16/km).

### Jobs and Workforce Development

The project creates 687 local construction/manufacturing jobs. The project directly employs 4,028 workers, and creates 4,464 jobs from secondary effects. Transportation workers who get displaced are given priority.

### Eliminates traffic congestion

Pods can travel in 6-pod trains with 1 second headway providing over 80,000 passenger seats per hour — equivalent to a 40 lane highway.

### Green and Walkable

A podway removes vehicular traffic from roads, enabling streets to transition into green and pedestrian-friendly spaces.

### Disease and Health

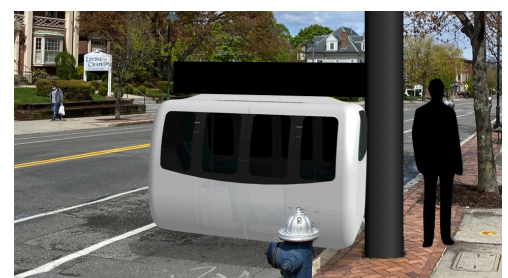
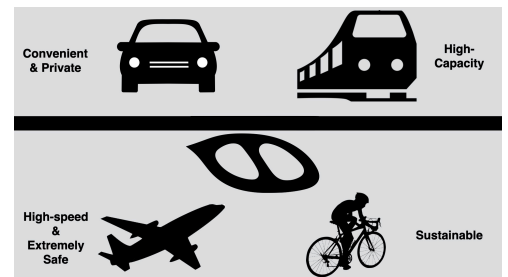
The system prevents the spread of diseases, improves quality of air and water, improves access to healthcare, and encourages walking.

### Simplified Rights-of-Way on Utility Easements

Podways can fit anywhere because there is no dedicated footprint — pods travel alongside roadways. In the space of one parked car, a pod stop has a capacity of 2,000 passenger boardings per hour.

### Faster commutes

Pods travel non-stop at 72 kph (45 mph) on metro podways and 242 kph (150 mph) on high-speed podways — delivering the fastest door-to-door trips of any travel mode.



**Eliminates pollution: Air, Sound, Light, Water**

Pods are quiet, efficient and have zero emissions and zero carbon. Pods offer less visual impact than the existing roads and vehicles. Pods don't have headlights and podways do not need to be lit.

**Sustainable, Efficient, and Zero Carbon**

Pods achieve over 20 times the efficiency of electric cars and are 100% powered by renewable energy. Pods achieve zero carbon by eliminating green house gases (GHG) from transportation.

**Higher Resiliency**

System continues to operate through flooding, earthquakes, dust/snow/ice, high winds, blackouts, road crashes, and heat waves. Damaged podways can be repaired within 24 hours.

**Economic Development & Societal Benefits**

A podway has positive impacts on education, food security, healthcare access, agriculture, tourism, and reduces poverty and homelessness. The median income would increase by 29%.

**Eliminates crashes**

With 100% automation, podways eliminate human errors and impaired driving. Orders of magnitude safer than roadways, and eliminating 3,100 road-related injuries and 31 deaths annually.

**Fear, Harassment, Race, Justice, Corruption, Accessible**

Podways eliminate dangers and fears from public transit and motor vehicles, including traffic stops, assaults, and road-rage. Border crossings can be safer and faster. A podway is handicap accessible.

**More Public Transit & Fewer Cars**

Pods provide the convenience and privacy that people value in cars, without their negative impacts. A podway combines the best features of public transit, high-speed rail and personal cars.

**No Disruption from Construction**

Installation is fast, quiet, and clean—all electric without diesel trucks.

**Bonded, Guaranteed and Proven**

The project's turnkey contracts are with large, established firms. Projects are fully bonded and service levels are guaranteed. Automated small-vehicle transport (PRT) has been operating with a perfect safety record for 40 years in Morgantown, West Virginia.

**Revenue Generator**

Rights-of-way owners receive a 5% toll share on revenue which is expected to be 131,861,496 GBP (US\$178,191,000) per year.

**Lowest Risk**

A podway provides compelling benefits with much less risk than other options.



**Moving to ZERO**

- Ø Congestion
- Ø Waiting
- Ø Pollution
- Ø Crashes
- Ø Land Use
- Ø Downtime
- Ø Energy
- Ø Disruption
- Ø Crime
- Ø Illness
- Ø Taxes
- Ø Gov't Funding
- Ø Travel Time
- Ø Weight
- Ø Excluded
- Ø Noise
- Ø Cost
- Ø Job loss
- Ø Objections
- Ø Cars
- Ø Inequity
- Ø Risk

Clean energy

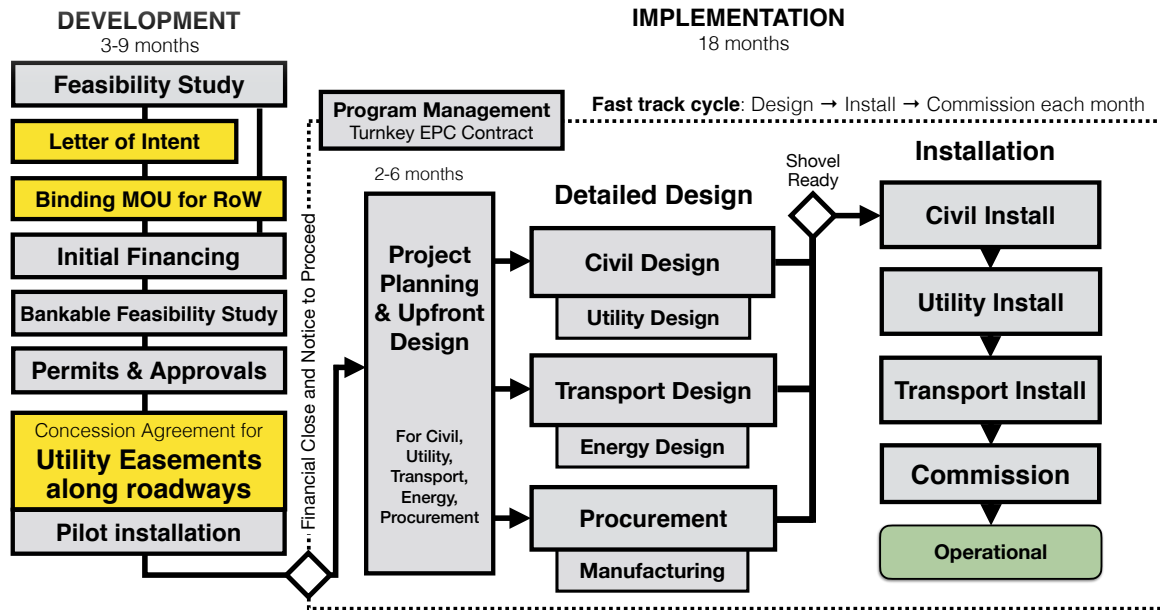
Clean water

Healthcare & Education

Food Security

Affordable Housing

United Nations Sustainable Development Goals



**Financial Viability**

The project cost is US\$1,136,740,000 (841,186,458 GBP) (\$3,176 per customer, \$4.1M per km) and expected 1,073,577 trips per day (69% mode share) after 4 years with breakeven at 17% (183,139 trips per day). The Cash-Flow-to-Debt Ratio is 259%. We project a 2.4 year payback period, gross margin of 73%, and 101% project IRR. These numbers make the project financially attractive for private investment.

**Next Steps**

To move forward, we need a binding Memorandum of Understanding for utility easements along roadways. Example letters and agreements at: [transitx.com/process](http://transitx.com/process)

For more information — including presentations, other proposals, and videos — visit [transitx.com/Scotland](http://transitx.com/Scotland)

The Podway Handbook answers many questions about our service, the company, the system, and the way we address: congestion, parking, road safety, pedestrian safety, accessibility, sustainability, fares, renewable energy & storage, construction, aesthetics, operations, economic development, quality of service, security, station footprint, equitability, carbon footprint, transit integration, resiliency, reliability, rights-of-way, and open space.

A 110+ page feasibility study is available under a non-disclosure agreement. Contact us at [hello@transitx.com](mailto:hello@transitx.com). We look forward to answering your questions and moving forward on a project.

Sincerely,



Green  
Quiet  
Safe

