

Pila, Laguna, Philippines

New sustainable infrastructure

Tollway with integrated solar, wind, storage, EV charging, and utilities.

A vertically-integrated automated tollway for moving people and goods. Podway built alongside roadways and highways within public right-of-way easements. Includes a renewable energy grid with battery-backed solar and wind generation, on-street EV charging, and utilities.

Finance • Build • Own • Operate (FBOO)



Financial Summary - details on page 3-6

Project Cost (CAPEX) \$62.5M

\$2.7M per route-km

\$1,144 per resident cost

Annual Revenue \$68.9M

Multiple long-term contracts and revenue streams from passengers, renewables, advertising, freight, parcels, carbon credits, and attachment fees.

Operating Expenses (OPEX) \$20.3M

Rev share, monitor, security, clean, maintain

Net Operating Income \$37.7M

Multiple scenarios and metrics on page 4



Project Details

Length: 23 km

Guideway with stainless steel exterior, aluminum rails, galvanized steel supports at 24 m (79 ft) spacing. Expected 75+ year lifespan.

Number of Vehicles: 234

Automated, on-demand, battery-electric pods can carry 4 seated passengers or 1400 kg (1.5 ton) pallet-sized payload.

Number of Access Points: 228

Access points (pod stops) are electric lifts that lower pods to ground-level for boarding off the main line.

Serves all major destinations including: Airport(s), Train station(s), Bus terminal(s), Hospitals, Schools, Places of worship, Tourist sites, Grocery stores, Retail, Residential, Freight hubs, Industrial, Distribution centers, and Seaports.

Population served: 44K

72 km/h (45 mph) non-stop. Convenient to population of 43,690. Integrates with existing travel modes. Provides car-like convenience and train-like capacity.

Renewable Energy System: 5.3 MW

5 MW generation of clean and renewable energy. GHG reduction of 8,000 tCO2e per year.

Status and Milestones

First Pilot Installed & testing (Boston 2021)

Feasibility study Completed

Funding Partial (see page 5)

Insurance & Bonding Have commitment

Rights-of-Way agreement TBD

Route approved TBD

EPC selected 04/2023

First phase Permitted 05/2023

On-site Pilot installed 07/2023

Concession Signed 07/2023

Financial close 07/2023

First phase operational 01/2024

Full system operational 08/2024

Additional Info

[Public webpage for Philippines](#)

[Request feasibility study](#)

Feasibility Study and Industry Comparables

Feasibility Study Summary

- ✓ **Financial:** Multiple sources of revenue, long-term contracts and network effects deliver durable cash flows and high margin operations.
- ✓ **Regulatory:** International Automated People Mover standards for system safety.
- ✓ **Land acquisition:** None. Installed within public rights-of-way (RoW) alongside roadways within utility-like aerial easements.
- ✓ **Government:** Provides aerial RoW easements through long-term concession agreement. Strong government support from revenue stream and no government funding. Provides public transport that is convenient, inclusive, accessible, sustainable, and equitable. No land use or negative impact on other modes of travel. Lowers gov't cost for road & bridge maintenance.
- ✓ **Construction:** 90% of work is competitively bid on fixed-price contracts with qualified and reputable firms. Infrastructure is built in factory which makes for fast installation and low disruption.
- ✓ **Environmental:** No significant environmental impact. Carbon negative. Pollution free. Powered by clean and renewable energy
- ✓ **Societal:** Fast to build and not disruptive. Improved safety, reduced crime. Creates jobs and economic growth. Eliminates congestion & parking issues. Integrates with existing transport.
- ✓ **Technical:** Exclusive, elevated, fully-automated guideway avoids complexities of multi-modal roadway. Similar to systems that have been safely operating for 45+ years. See box to right →

Podway vs. ATN/PRT

- No land use:** podways go alongside existing roads use low-cost stops to enter pods at ground level.
- Low cost:** mass production of civil infrastructure
- Goods:** automated transport of freight and packages
- Utilities:** integrates utility lines & street lighting
- Energy:** solar & wind on podway generate distributed renewable energy & storage to sell.
- High capacity:** 6-pod trains every second carry 86,400 seats/hr. Pod lifts can handle any loading demand.
- High speed:** 242 km/h (150 mph) over long distances
- Convenience:** road-like network with stops on every block achieve car-like convenience and availability.

Operational ATN/PRT Systems

Location	Name and Vendor	Route (km)	Vehicles	Service Year
Morgantown, West Virginia	Morgantown PRT	5.8	70	1975
London Heathrow Airport	ULTra	3.8	21	2011
Masdar City, UAE	2getthere	1.8	10	2010
Suncheon, South Korea	Vectus	4.6	40	2014
Raytheon, Massachusetts (tested)	PRT 2000	1.5	3	1995-1997

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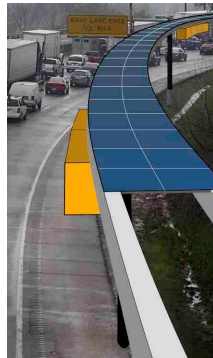
Pila, Laguna, Philippines Solar Podway Project Feasibility Study

For lenders and equity investors to conduct due diligence and analyze business, financial, and technical feasibility of a podway project.

Executive SummaryPage 1

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Related podway projects

Barishal, Bangladesh: In Development Phase. AECOM providing program management. Local firm preparing route survey and environment impact study.

Pilot: Installed in Oct 2021 in Massachusetts, USA. Testing underway and operational in Q4 2022.

Government commitments

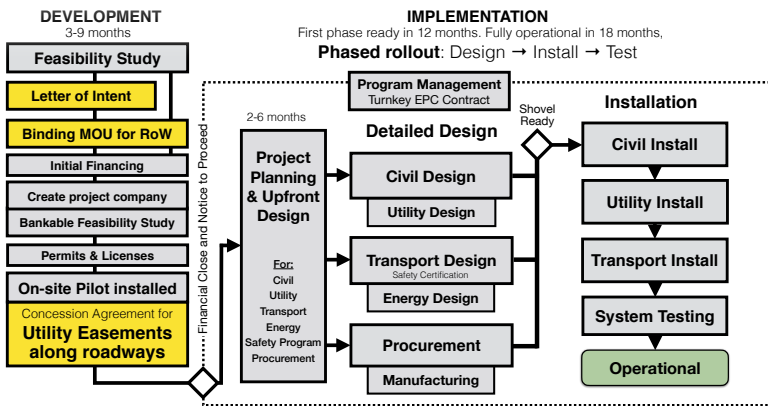
for 8+ countries in Africa, Asia, and North America

Feasibility Study and Industry Report available upon request.

Executive Summary
The On-demand Transportation Solution PRT is a Potential \$31-58 Billion Investment Gain Opportunity

Personal Rapid Transit (PRT) Research

Project Details

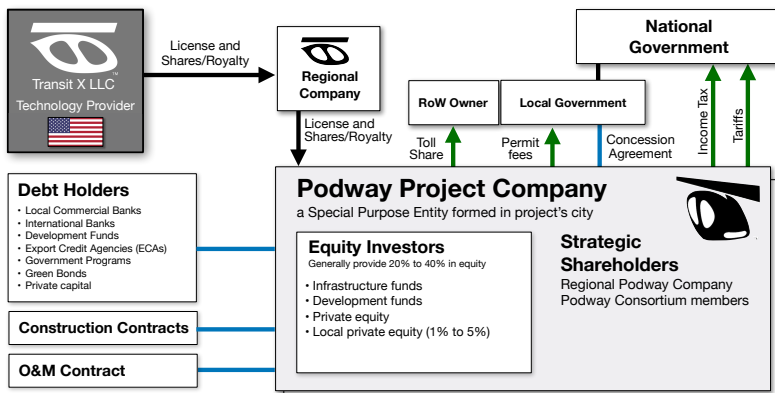


Top-level timeline and schedule

Partners and Major Contracts

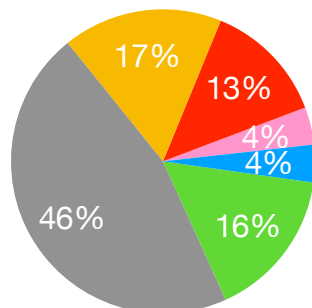
- Lead Developer** Transit X
- Accounting / CPA** big 4
- Concession Agreement** Gov't (or private)
- Financial advisor** EACP
- Program Management** AECOM
- Bankable Study** KPMG/PwC/EY
- Insurance** Lloyds of London
- Transit Engineering** Capgemini
- Civil Works** Competitive bid
- Energy Systems** Competitive bid
- Manufacturing** Multiple contracts

Project Structure



Use of Funds

- Development
- Design
- Procurement
- Implementation
- Contingency
- IDC



Use of Funds

Task item	Cost (US\$)
1 DEVELOPMENT: 3 to 9 months	\$2.5M
2 Feasibility Study	275,000
3 Ridership-Revenue Study	175,000
4 Pilot	400,000
5 Civil planning & assessment	900,000
6 Contracts, Documentation & Legal	225,000
7 Project Management	200,000
8 Travel & Meetings	75,000
9 Contingency for Development Phase	250,000
10 IMPLEMENTATION / EPC	\$60.0M
11 DESIGN: 3 to 6 months duration	10,000,000
12 Financing fees	1,800,000
13 Contracts & Legal	600,000
14 Commission fee	1,820,420
15 Civil Design	1,800,000
16 Transport Design	1,300,000
17 Utility Design	1,200,000
18 Permitting & Approvals	700,000
19 Owner's Engineer and Rep	900,000
20 Project Management (through construction)	1,000,000
21 Independent Engineering Consultant	400,000
22 PROCUREMENT	28,750,505
23 Substructure (vertical supports)	2,013,000
24 Superstructure (guideway)	12,363,000
25 Pods (vehicles)	2,300,000
26 Lifts	1,725,000
27 Solar & Wind generation	8,913,000
28 Battery packs (energy storage)	288,000
29 Shipping & Tariffs	1,150,000
30 INSTALLATION: 12 to 18 month duration	\$10.6M
31 Insurance & Bonding	212,504
Civil Structures (Podway)	4,888,000
32 Site work	489,000
33 Utility diversions	1,564,000
34 Foundations	1,222,000
35 Erection (labor + equipment)	1,466,000
36 Inspections and Certifications	147,000
37 Rolling Stock (Pods & Lifts)	3,506,000
38 Installation & Commissioning	1,402,000
39 Testing & Safety Certification	1,543,000
40 Documentation & Training	561,000
41 Facilities	1,063,000
42 Pod cleaning facilities	213,000
43 Repair & maintenance facilities	223,000
44 Pod parking garage	255,000
45 Control room	372,000
46 Energy Systems	956,000
47 Installation	764,800
48 Utility Interconnects	191,200
49 Other	10,652,361
50 15% Contingency	8,152,317
51 Interest During Construction	2,500,044
52 TOTAL PROJECT COSTS	\$62.5M

Business model

Operate tollway and collect fees for passenger trips, freight, and parcels. In pod direct marketing/advertising.

Renewable energy generation with storage. Utility attachment fees.

Concession Agreement with Government

- Easement rights-of-way for 5% share of revenue
- Guaranteed minimum usage by government
- 35 to 50 yr term with extension or removal at end
- A common carrier with social benefit
- Can sell and distribute renewable energy
- No land ownership
- Local content %, Job transition programs
- Clear tender process & reasonable import tariffs
- Formula for setting majority of fares.
- Utility integration with attachment fees
- Service quality levels, capped liability, safety program
- Ability to move project funds into and out of the country

Financial Strengths

- **Predictable revenue** from long-term contracts and multiple revenue streams, including PPA.
- **Durable High Margins** from long-term contracts, network effects, high barriers to entry, a platform business model, a vertically integrated system, and exclusivity.
- **Fixed price & time construction** installation of factory-built light civil infrastructure. Phased roll-out.
- **Low CAPEX** and competitive with rebuilding a roadway or transition to electric vehicles. Lightweight vehicles and loads enable low cost civil structures. Rapid construction reduces interest on debt.
- **Low OPEX** because no driver cost, no fuel cost, low maintenance and repair costs, low marketing costs
- **Low fixed OPEX** over 75% of expenses are variable and proportional to revenue.
- **Sustainable/Equitable** Clean energy and transport delivers superior ESG/SDG/Triple-bottom line
- **Proven tech** Comparable systems have been operating safety for 40+ years in US. Fixed price contracts.

Financial Projections

	Expected	50% less passenger trips	50% less passenger trips & 50% less freight trips
Project cost / CAPEX	\$62.5M	\$62.5M	\$62.5M
NET REVENUE	\$68.9M	\$52.0M	\$36.1M
Passenger fares	\$32.9M	\$16.4M	\$16.4M
Long-term guaranteed contracts (est.)	\$1.6M	\$822.5K	\$822.5K
Daily trips (% mode share)	69,849 (43%)	34,924 (21%)	34,924 (21%)
Avg. revenue per trip: \$	\$1.29		
Revenue per vehicle	\$294,279		
Advertising	\$775.1K	\$387.5K	\$387.5K
per hour per passenger	\$0.62		
Freight & Parcels	\$31.9M	\$31.9M	\$16.0M
Long-term guaranteed contracts (est.)	\$2.2M	\$2.2M	\$1.1M
Energy	\$951.0K	\$951.0K	\$951.0K
\$/MWh (\$/GJ)	\$30		
EV & Carbon Credits	\$1.2M	\$1.2M	\$1.2M
per tCO2e	\$120		
Attachment fees	\$1.1M	\$1.1M	\$1.1M
OPEX	\$20.3M	\$16.1M	\$12.1M
Toll share	\$3.4M	\$2.6M	\$1.8M
Operations & Maintenance, SG&A	\$13.8M	\$10.4M	\$7.2M
Depreciation / Reserve	\$3.1M	\$3.1M	\$3.1M
EBIT	\$48.5M	\$35.9M	\$23.9M
Interest Payment	\$4.2M	\$4.2M	\$4.2M
Net Operating Income (NOI)	\$37.7M	\$26.9M	\$16.8M
Gross Margin (OPEX/Revenue)	70%	69%	66%
NOI / Project cost ratio	0.60	0.43	0.27
Breakeven Revenue	31%		
Return of Capital	3.6 years		
DSCR	Year 1: 3.68 Year 5: 12.26		
Cash-Flow-to-Debt Ratio	0.72		
Valuation at year 5 (with P/E ratio of 4)	\$275.4M (22.0 times initial equity)		
Project's IRR	45%		

10-year Pro Forma

Dollar values in thousands USD ('000)

Years ►	0	1	2	3	4	5	6	7	8	9	10
1 INCOME STATEMENT											
2 Net Revenues	\$ 0	\$ 20,658	\$ 28,922	\$ 40,490	\$ 56,687	\$ 68,861	\$ 68,861	\$ 68,861	\$ 68,861	\$ 68,861	\$ 68,861
3 <i>% of steady-state revenue</i>	0%	30%	42%	59%	82%	100%	100%	100%	100%	100%	100%
4 Operating Costs	\$ 0	5,165	7,230	10,123	14,172	20,465	20,465	20,465	20,465	20,465	20,465
5 Toll Share	\$ 0.00	1,033	1,446	2,025	2,834	3,443	3,443	3,443	3,443	3,443	3,443
6 Operations & Maintenance, SG&A	\$ 0	4,132	5,784	8,098	11,337	13,772	13,772	13,772	13,772	13,772	13,772
7 Depreciation / Reserve	\$ 0	0	0	0	0	3,250	3,250	3,250	3,250	3,250	3,250
8 EBIT	\$ 0	15,494	21,691	30,368	42,515	48,396	48,396	48,396	48,396	48,396	48,396
9 Interest Payment	\$ 4,213	\$ 4,213	\$ 4,213	\$ 4,213	\$ 4,213	\$ 4,213	\$ 4,213	\$ 4,213	\$ 4,213	\$ 4,213	\$ 4,213
10 Taxes	\$ 0	1,692	2,622	3,923	5,745	6,627	6,627	6,627	6,627	6,627	6,627
11 Net Operating Income (NOI)	\$ (4,213)	9,589	14,857	22,232	32,557	37,556	37,556	37,556	37,556	37,556	37,556
12 BALANCE SHEET											
13 Total Assets	\$ 64,179	64,320	64,517	64,794	65,001	65,001	65,001	65,001	65,001	65,001	65,001
14 Cash & Marketable Secur. (BOP)											
15 Fixed Assets (acquisition cost)	\$ 64,179	64,320	64,517	64,794	65,001	65,001	65,001	65,001	65,001	65,001	65,001
16 Depreciation	\$ 3,209	3,216	3,226	3,240	3,250	3,250	3,250	3,250	3,250	3,250	3,250
17 Accumulated Depreciation	\$ 3,209	6,425	9,651	12,891	16,141	19,391	22,641	25,891	29,141	32,391	35,641
18 Total Liabilities	\$ 52,501	52,501	52,501	52,501	52,501	52,501	52,501	52,501	52,501	52,501	52,501
19 Debt	\$ 52,501	52,501	52,501	52,501	52,501	52,501	52,501	52,501	52,501	52,501	52,501
20 Equity	\$ 12,500	22,089	36,946	59,178	91,734	129,290	166,846	204,402	241,958	279,514	317,068
21 Capital	\$ 12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500
22 Retained Earnings	\$ 0	9,589	24,446	46,677	79,234	116,790	154,346	191,902	229,458	267,014	304,568
23 CASH FLOW											
24 Free Cash Flow	\$ (64,179)	15,353	21,494	30,092	42,307	51,646	51,646	51,646	51,646	51,646	51,646
25 Cash From Operations	\$ 0	15,494	21,691	30,368	42,515	51,646	51,646	51,646	51,646	51,646	51,646
26 Increases in Working Capital	\$ 0	0	0	0	0	0	0	0	0	0	0
27 CAPEX	\$ 64,179	141	197	276	208	0	0	0	0	0	0
28 Fixed Infrastructure	\$ 53,522	0	0	0	0	0	0	0	0	0	0
29 Energy	\$ 7,805	0	0	0	0	0	0	0	0	0	0
30 Pods	\$ 352	141	197	276	208	0	0	0	0	0	0
31 Interest during construction	\$ 2,500	0	0	0	0	0	0	0	0	0	0
32 Cash Flow From/To Finance	\$ 60,788	(4,213)	(4,213)	(4,213)	(4,213)	(4,213)	(4,213)	(4,213)	(4,213)	(4,213)	(4,213)
33 Cash From/To Equity Investors	\$ 12,500	0	0	0	0	0	0	0	0	0	0
34 Cash From/To Debt (Principal)	\$ 52,501	0	0	0	0	0	0	0	0	0	0
35 Dividends	\$ 0	0	0	0	0	0	0	0	0	0	0
36 IRR to date	loss	loss	(29%)	2%	21%	32%	37%	38%	39%	40%	45%

Offering

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Phase ➡	Capital (greenfield) Investment				IPO or Brownfield Investors
	Initial Development	Development Equity	Implementation Equity	Debt	
Amount to be Raised	\$0.3M	\$2.5M	\$9.8M	\$52.5M	
Status	To be raised	To be raised	Have commitment(s)		12-18 months from start of operations
Collateral/Asset	MOU and/or PPA		Installed equipment, Tax Credits, PPA		
Terms	Common + Preferred Shares			5-20 year term Limited Recourse	Dividends and share of profits
Exit	Exit at start of implementation (12-18 months)		Exit @ 18 months after start of operations	n/a	Dividends and profit distribution
Investment goals	Risk-adjusted returns or Bank Guarantee (BG)		>20% IRR	Low risk of default	Long-term, dependable cash flow
Target Return on Capital	72% (or 15% with BG)	54% (or 15% with BG)	36%	n/a	15%
Use of Funds & Milestones	Contract for Bankable Feasibility Study. Environmental impact Route Survey. Pilot ordered. Create project company in country.	Permits & Planning. Major contracts signed. Pilot installed. Full investment docs. Concession signed.	Overall Design and Docs. First phase procurement and implementation. Insurance & bonding.	Remaining Procurement, installation, and commissioning.	