

Aerial Cable Transportation (Gondolas, Aerial Trams and Funitels)

Description: fully automated transit that uses one or more cables for propulsion and stability in hanging passenger cabins.



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Portland Aerial Tram (Portland, Oregon)



Source: Flickr - Choo yut Shing

Singapore Cable Car (Sentosa, Singapore)



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Funitel Hakone (Kanagawa Prefecture, Japan)



Source: Flickr - m01229

Roosevelt Island Tramway, Aerial Tram (NYC, NY)

SYSTEM CAPACITY:	2,000 - 6,000 PEOPLE PER HOUR PER DIRECTION
NOISE:	LOWER
SPEED:	UP TO 22 MPH
EXPANDABILITY:	HARDER
WHERE IT OPERATES:	EXCLUSIVE RIGHT OF WAY
HOW IS IT GUIDED:	SUSPENDED MOVING CABLES

Automated Transit Network (Personal and Group Rapid Transit)

Description: Transit system featuring smaller automated vehicles operating on a network with specially built guideways for non-stop point-to-point travel.



Source: www.vectusprrt.com

Vectus PRT (Suncheon Bay, South Korea)



Source: www.ultraglobalprrt.com

Ultra Global PRT (Heathrow, England)



Source: www.2getthere.eu

2getthere PRT (Masdar City, Abu Dhabi, UAE)



Source: www.2getthere.eu

2getthere GRT (Business Park Rivium, Capelle aan den IJssel, the Netherlands)

SYSTEM CAPACITY:	2,000 - 12,000 PEOPLE PER HOUR PER LANE OF TRAFFIC
NOISE:	LOWER
SPEED:	UP TO 25 MPH
EXPANDABILITY:	EASIER
WHERE IT OPERATES:	EXCLUSIVE RIGHT OF WAY
HOW IS IT GUIDED:	SENSORS / RAILS / CURBS

Automated People Movers (Rubber-tire, Steel-wheel, Monorails, Maglevs)

Description: Fully automated transit systems where vehicles operate on a fixed guideway along a corridor.



Source: Lea+Elliott

Mitsubishi: Crystal Mover APM (Miami International Airport, FL)



Source: Lea+Elliott

Bombardier: Innovia Monorail (Las Vegas, NV)



Source: Lea+Elliott

Hyundai: Rotem Urban Maglev (Incheon, Korea)



Source: Lea+Elliott

Doppelmayr Cable Car: Cable Liner (Oakland, CA)

SYSTEM CAPACITY:	1,500 - 15,000 PEOPLE PER HOUR PER DIRECTION
NOISE:	LOWER (RUBBER WHEELS AND MAGNETIC PROPULSION) / HIGHER (STEEL WHEELS)
SPEED:	UP TO 50 MPH (EXCEPT LOW SPEED MAGLEVS: UP TO 60 MPH)
EXPANDABILITY:	HARDER
WHERE IT OPERATES:	EXCLUSIVE RIGHT OF WAY
HOW IS IT GUIDED:	STEEL RAIL / CABLE / GUIDERAIL

Autonomous Transit

Description: Automated vehicles on a mapped network and capable of operating in mixed flow and sensing the environment around them.



Source: Navya.tech

Navya: Arma (Source: Navya, 12/9/16 press release)



Source: Flickr - Semvatac

EasyMile: EZ10 (Parc des Expositions – Paris, France)



Source: Photograph by Rama, distributed under a CC BY-2.0 license

EasyMile: EZ10 (Swiss Federal Institute of Technology in Lausanne, Switzerland)



Source: Navya.tech

Navya: Arma (Source: Navya)

SYSTEM CAPACITY:	2,000 - 12,000 PEOPLE PER HOUR PER LANE OF TRAFFIC
NOISE:	LOWER
SPEED:	UP TO 15 MPH
EXPANDABILITY:	EASIER
WHERE IT OPERATES:	DEDICATED LANES WITH POTENTIAL FOR MIXED-FLOW TRAFFIC
HOW IS IT GUIDED:	SENSORS AND GPS NETWORK