





THE BALTIMORE GONDOLA

Revolutionizing Urban Transportation





Current Transit Situation

- Capacity exceeded on existing street grid
- Disconnected public transit options
- ~~REDLINE~~
- Overly complicated
- Varying reliability



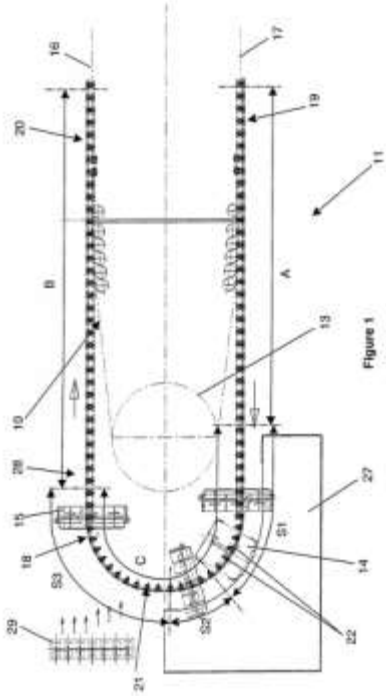
Finding Solutions For Baltimore

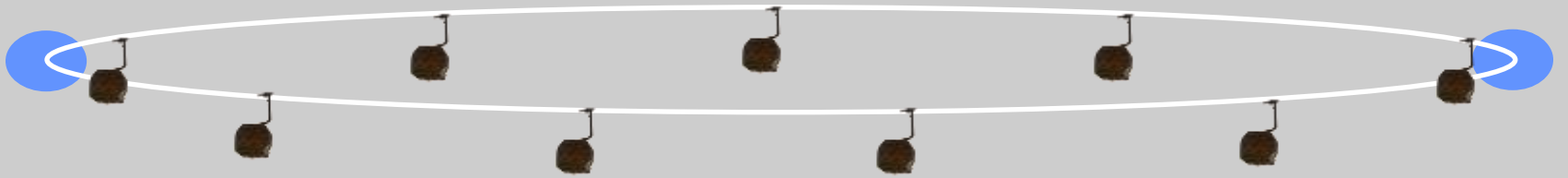
- Mass Transit
- Parking
- Traffic
- Tourism



How It Works

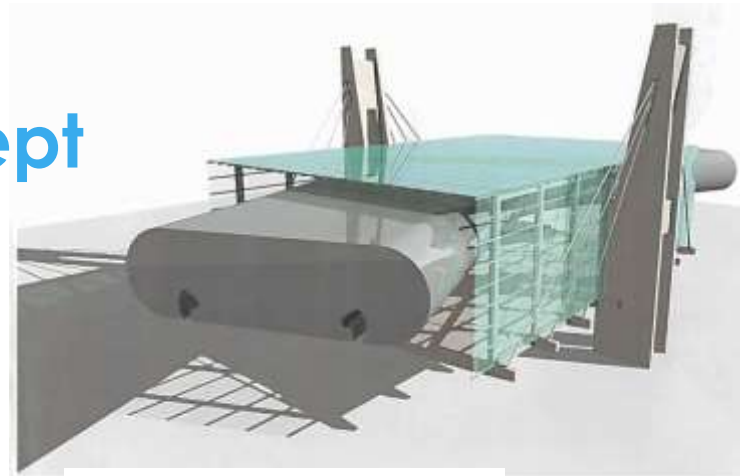
- 8 Person Detachable Cabins
- Cabins always available and loading
- High Speed Cable – 12mph
- Electric Power with 2 Diesel Back-Up Motors
- Towers hold cables above street
- Stations elevated above street





Gondola Operating Concept

A Gondola is waiting for you



Get on board for
a gondola flight
to Fells Point



KEVIN COWHERD

SO NOW THERE'S TALK OF BUILDING A ski-lift-style gondola system that would whisk visitors high above the Inner Harbor and out to Fells Point, turning Baltimore into the Aspen of the East, only with less snow and more panhandlers.

My first reaction is: Hey, not a bad idea. Then I close my eyes and envision some trunk falling out of the gondola and splashing down in the harbor, and when they finally fish him out and pound on his chest and revive him, there's a lawyer standing over him holding out a business card and whispering, "You should think about compensation for what you've been through." But they laughed at the Wright brothers

Aiming high downtown: transportation with a view



Peter Winstead, partner in Winstead Brothers LLC, went to build a ski-lift-style gondola system stretching from Fells Point to the Inner Harbor. The Baltimore Lift would consist of 60 cars that can carry people at a time, transporting 1,600 people an hour.

TRANSPORTATION

Will downtown gondola plan fly?

BY JEN DEGENHORN

They and Peter Winstead have kept a low profile since they won a state grant last year to further their dream of building a ski-lift-style gondola system around the Inner Harbor.

But the Winstead brothers are back, this time with a professional market study to show skeptics that the Baltimore Lift can fly in Baltimore. If the study is right, a car trip from the downtown convention center to Fells Point could soon be replaced with a seven-minute train ride to the city.

"That's what we've been doing for the last year or so," Trey said. "Just studying to see if this thing can work." According to the study, the project, which would cost more than \$30 mil-

lion, would likely see 1.2 million riders each year. That makes the Baltimore Lift economically feasible, according to the study, funded in part by a \$20,000 state business grant.

The system would consist of 60 cars that can carry eight people at a time.

TRANSPORTING



A survey of 1,200 people found that 65 percent see a gondola system that cost \$7 for an all-

dayed 1,200 p Inner Har would gondola Point, the 19 World Trade the land near city in built



Peter Winstead of Winstead Brothers LLC views off a prototype gondola that would be part of a system spanning the Inner Harbor from Fells Point to the Convention Center. The journey would take seven minutes.

BROTHERS ENVISION GONDOLA AT HARBOR

Elevated cable cars would run between Fells Point, convention center

On cutting edge of urban transit

Baltimore to hear plan for ski-lift-style gondola service

BY LORRAINE MIKALLOLA

Picture floating high above Fells Point in a ski-lift-style gondola, soaring over the Inner Harbor on a seven-minute journey from the Convention Center to Fells Point. Trey Winstead of Winstead Brothers LLC has been studying, planning and engineering such a 5.5-mile route along overhead cables for six years. Now, along with his brother Peter, Winstead is ready to pitch the plan to put Baltimore on the cutting edge of urban transit, closer to the city's design panel.

"This is going to be the best new attraction in the country," said Winstead, a city attorney who came up with the idea





1

STADIUM CENTRAL STATION

CHARM CITY CIRCULATOR
Orange - 2 blocks
LIGHT RAIL
Transfer
MARC TRAIN
Transfer
METRO
Less than 4 blocks

2

DOWNTOWN INNER HARBOUR

CHARM CITY CIRCULATOR
Purple - less than 1 blocks
BARTER - less than 1 blocks
WATER TAXI
2 Routes - less than 1 blocks
METRO
Less than 4 blocks

3

INNER HARBOUR EAST

CHARM CITY CIRCULATOR
Orange - 1 blocks
Green - 1 blocks
WATER TAXI
Orange - 1 blocks
Green - 1 blocks

4

FELLS POINT BROADWAY

CHARM CITY CIRCULATOR
Green - transfer
Orange - 3 blocks
WATER TAXI
Blue - 2 blocks
Purple - 2 blocks
Orange - 2 blocks
Green - 2 blocks

5

FLEET STREET

WATER TAXI
Blue - 1 block

6

CANTON
BOSTON STREET WATER TAXI
Blue 2 - blocks
I-95 PARK AND RIDE

1

Stadium Central Station



Original Station Rendering





2

Downtown Inner Harbor





Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat

Google earth

3

Inner Harbor East





Image Landsat

Google

4

Fells Point Broadway





data SIO, DATA, U.S. TOUR, NEW, FINANCE

5

Fleet Street





Image Landsat

6

Canton





Image Landsat



Transit Choices

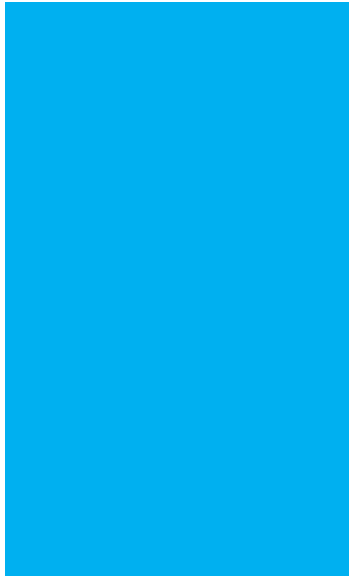
Mode	Time	Cost
Baltimore Gondola	14 minutes	\$10 Tourist \$3 Resident ALL DAY
Biking	20 minutes	Free
UBER – Car - Taxi	15 - 45 minutes	\$5 - \$26 per ride
Water Taxi	40 minutes	\$14 ALL DAY
Walking	Up to an hour	Free



Growing Modern Mode of Urban Transportation

LEITNER[®]
ropeways

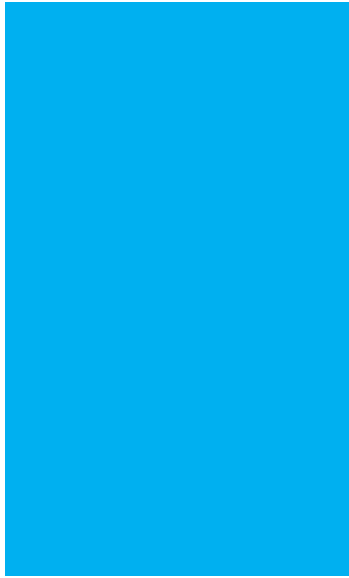
POMA



Roosevelt Island (1976)

Commuter connection from Manhattan to Roosevelt Island

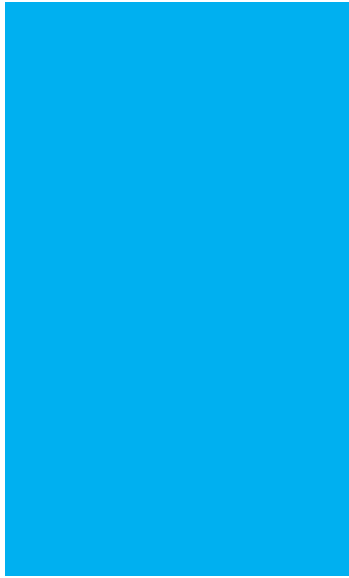
30 Million Riders since operation began – only 12,000 residents on island



Medellin - Metro Cable (2005)

First gondola in the world fully devoted to public transit

15 million riders per year... 3 lines built... 2 under construction.....locals ecstatic!



Portland Aerial Tram (2006)

Connecting Historic OHSU to Waterfront

Crosses over interstate I-5... extremely popular and fun... “what a commute”...

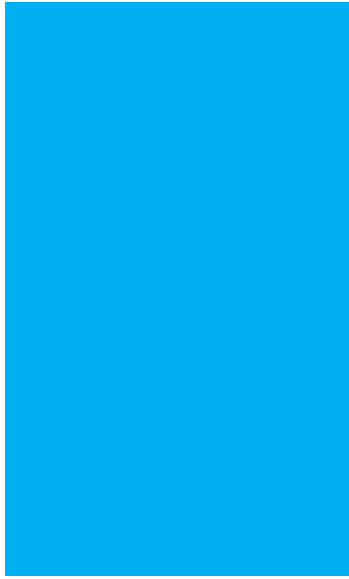


Complexo do Alemão (2011)

6 Stations - Bonsucesso, Adeus, Baiana, Alemão, Itararé/Alvorada and Palmeiras

2.2 Mile Route... 152 Cabins... 16 Minutes



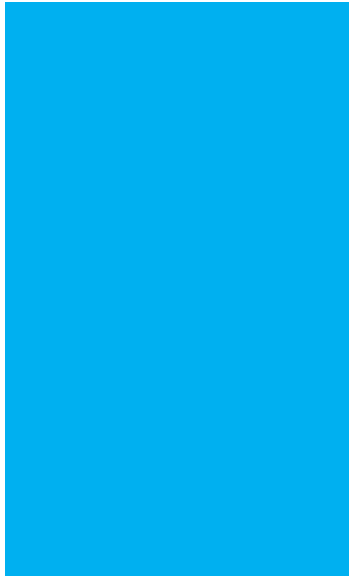


London – Air Line (2012)

Over Thames River

Over 1.5 million riders in first 6 months





Rio de Janeiro (2013)

“This project has two roles. The first is to serve the population of the hill. Another role is to attract tourists,” Rio’s Mayor Eduardo Paes told reporters.

2.1 Mile Route - Over 30,000 riders per day





Gondolas in Development



THE SOLUTION

IMAGINE A SHORTER COMMUTE WITH ICONIC VIEWS OF NEW YORK CITY



WILLIAMSBURG TO
MANHATTAN
4 MINUTES



BROOKLYN TO QUEENS
3 - 12 MINUTES



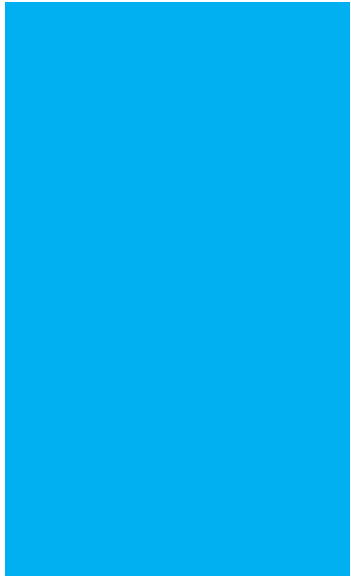
TO BROOKLYN NAVY
YARDS
EASILY ACCESSIBLE



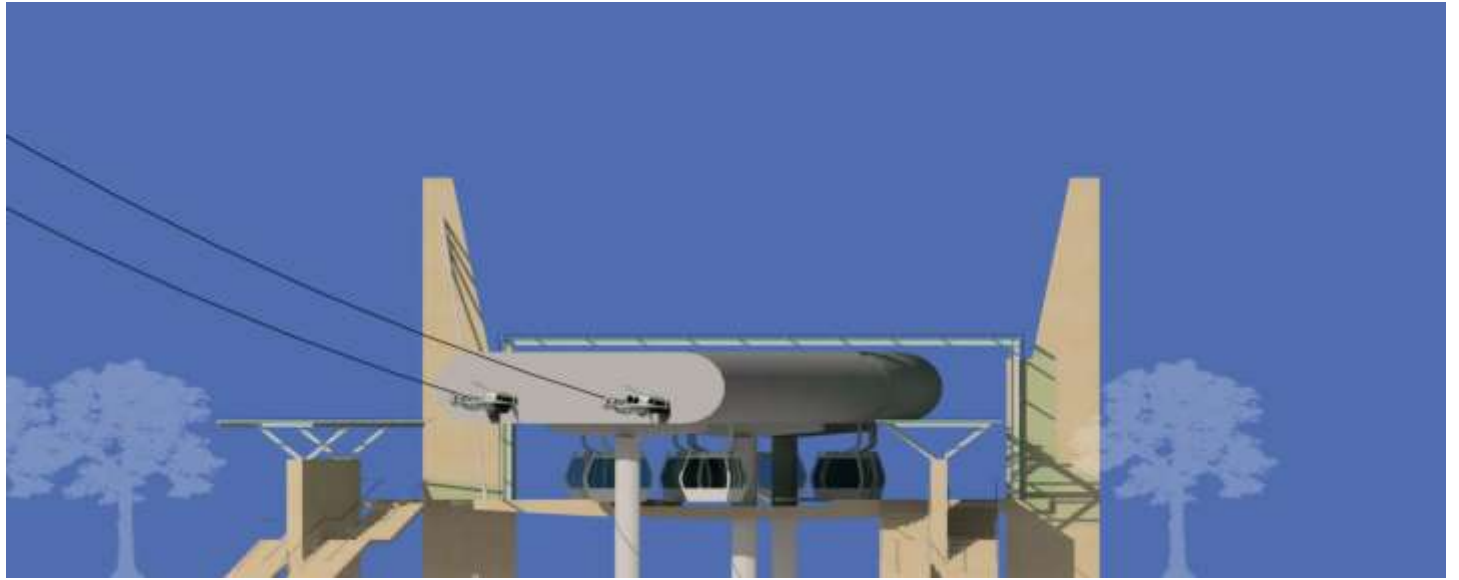
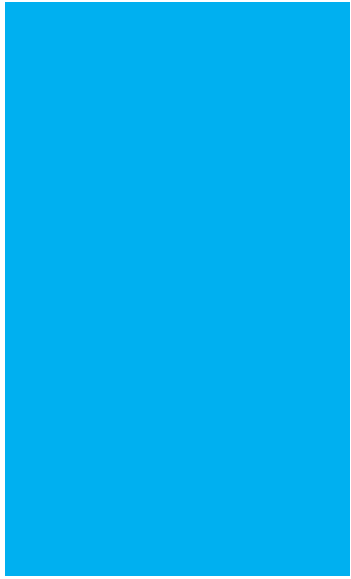
Fun Facts

- World's safest travel mode
- Most dependable form of transit
- 99.97% Reliability
- Weather independent
- Always cabins loading in every station
- Raises property values near stations (TOD)
- THE **NEW** NEW THING

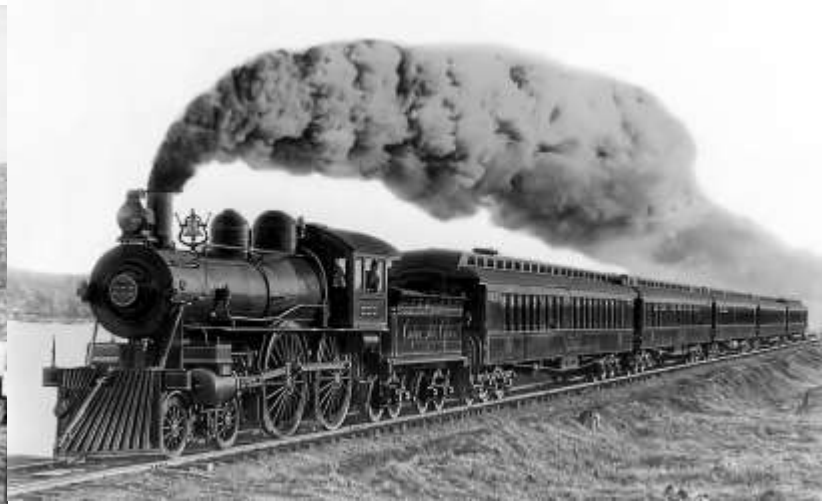




TYPICAL STATION ELEVATION



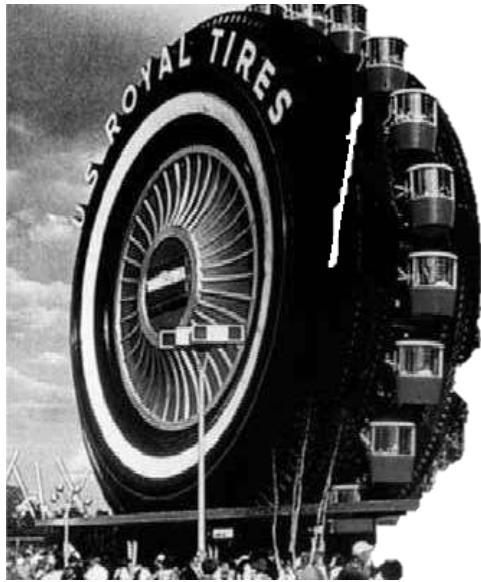
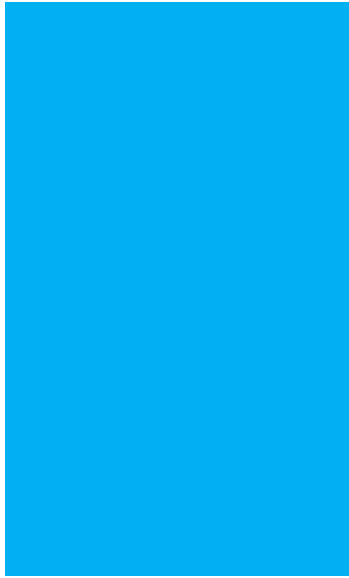
TYPICAL STATION ELEVATION



Sustainable Transportation

- Single 800HP electric motor
- Reduces vehicular traffic
- Solar panels on stations power system
- Reduces pollution in Chesapeake Bay





A NEW BALTIMORE LANDMARK BENEFITS FOR THE CITY AND ITS CITIZENS

One of a Kind Attraction while serving CITY RESIDENTS

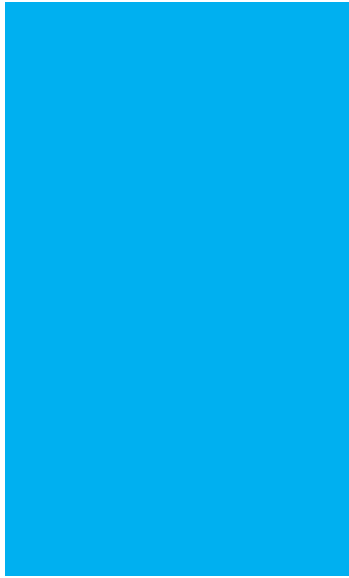
- Gondolas and trams attract visitors
- Connects attractions and neighborhoods
- Breathtaking views of Baltimore City and Inner Harbor
- Gondola largely financed through tourism to provide reduced fares for residents



WHY NOT BALTIMORE?

WHY NOT NOW?

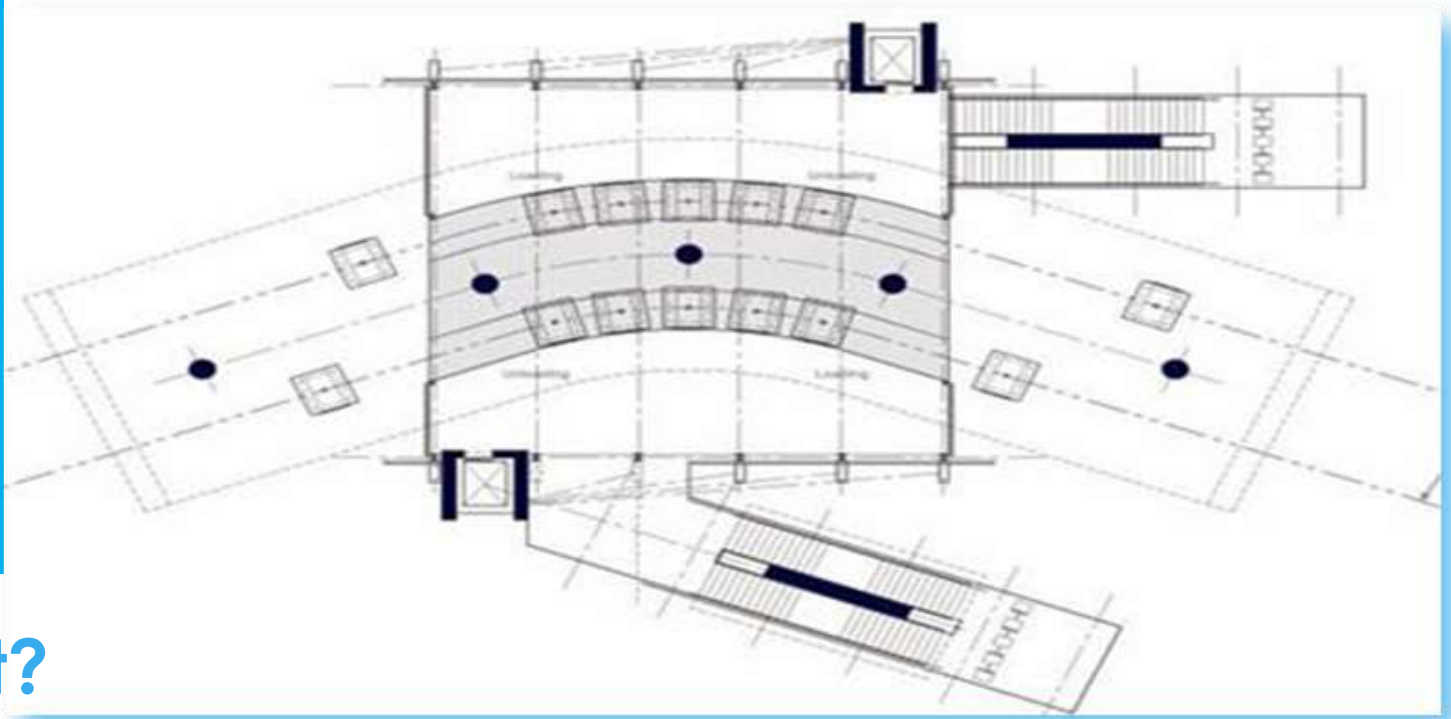
Better Transit Stronger Tourism



“I’m scared O’heights!”

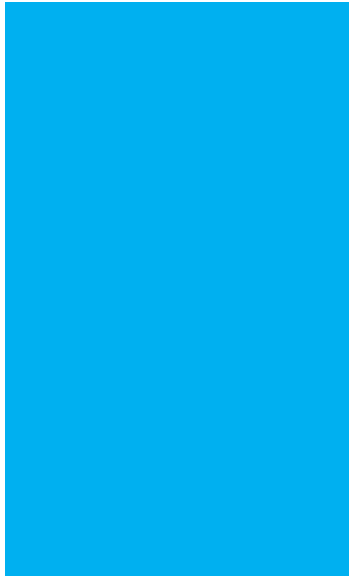
O’ come on!





Will it fit?

YES it WILL!



EXPANDABLE?

In all Directions

