

The Liveable City

The Importance of elevated transit to making Honolulu a sustainable city

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Gensler

Honolulu Today

“...the bridge between east and west... more than sun, sand, sea and the spirit of Aloha... a great place to vacation as well as do business... I still believe that we could still promote ourselves as the Geneva of the Pacific”

Mufi Hannemann
Interview with Monocle Weekly Magazine

Globally cities are increasingly focusing on liveability as a means to achieve sustainable development

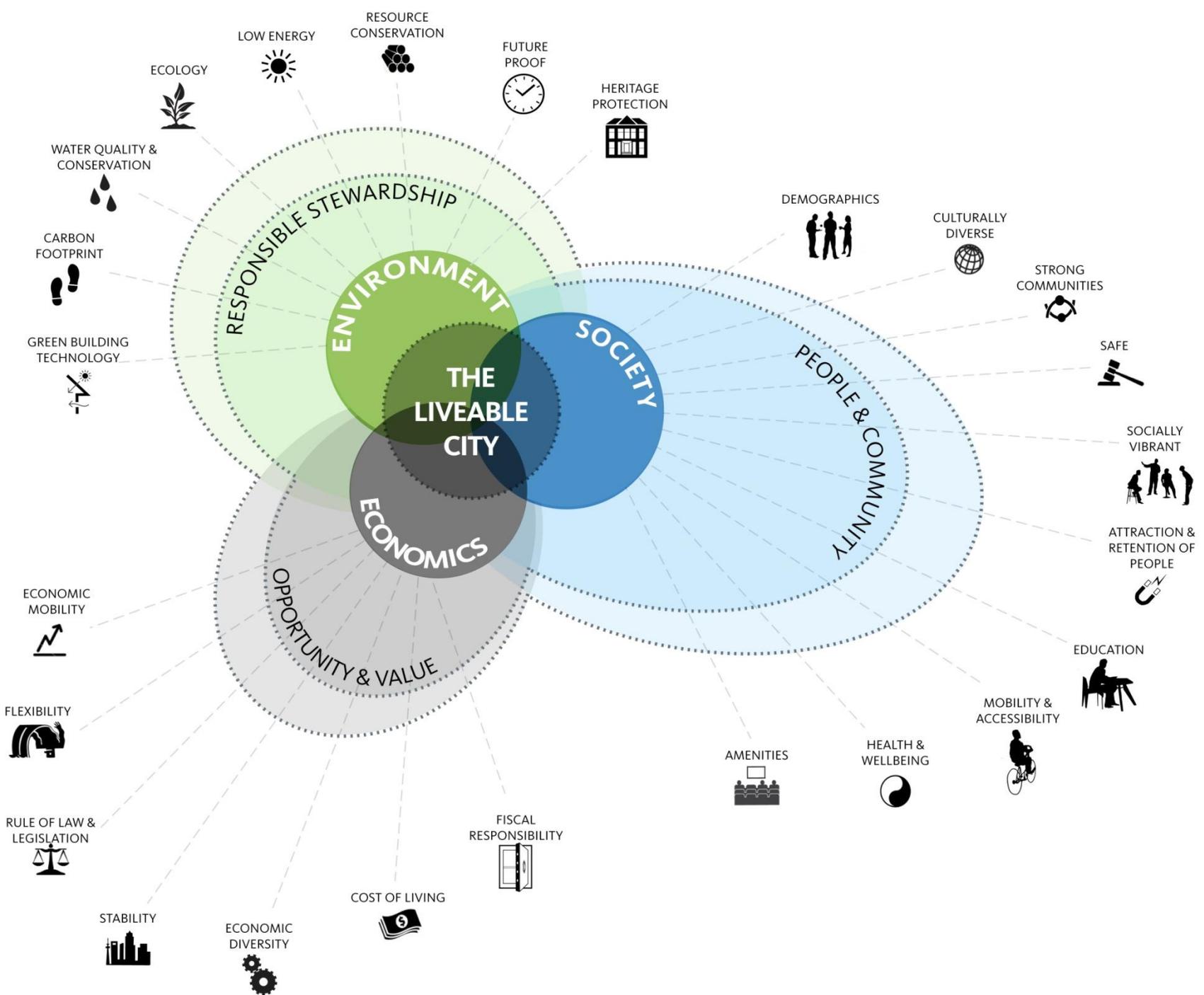
Honolulu Today

How Liveable is Honolulu?

Mercer's 2009 Quality of Living Survey

- 1st Vienna, Austria
- 2nd Zurich, Switzerland
- 3rd Geneva, Switzerland
- 4th Vancouver, Canada
- 4th Auckland, New Zealand

- 29th Honolulu ... and the highest in the US

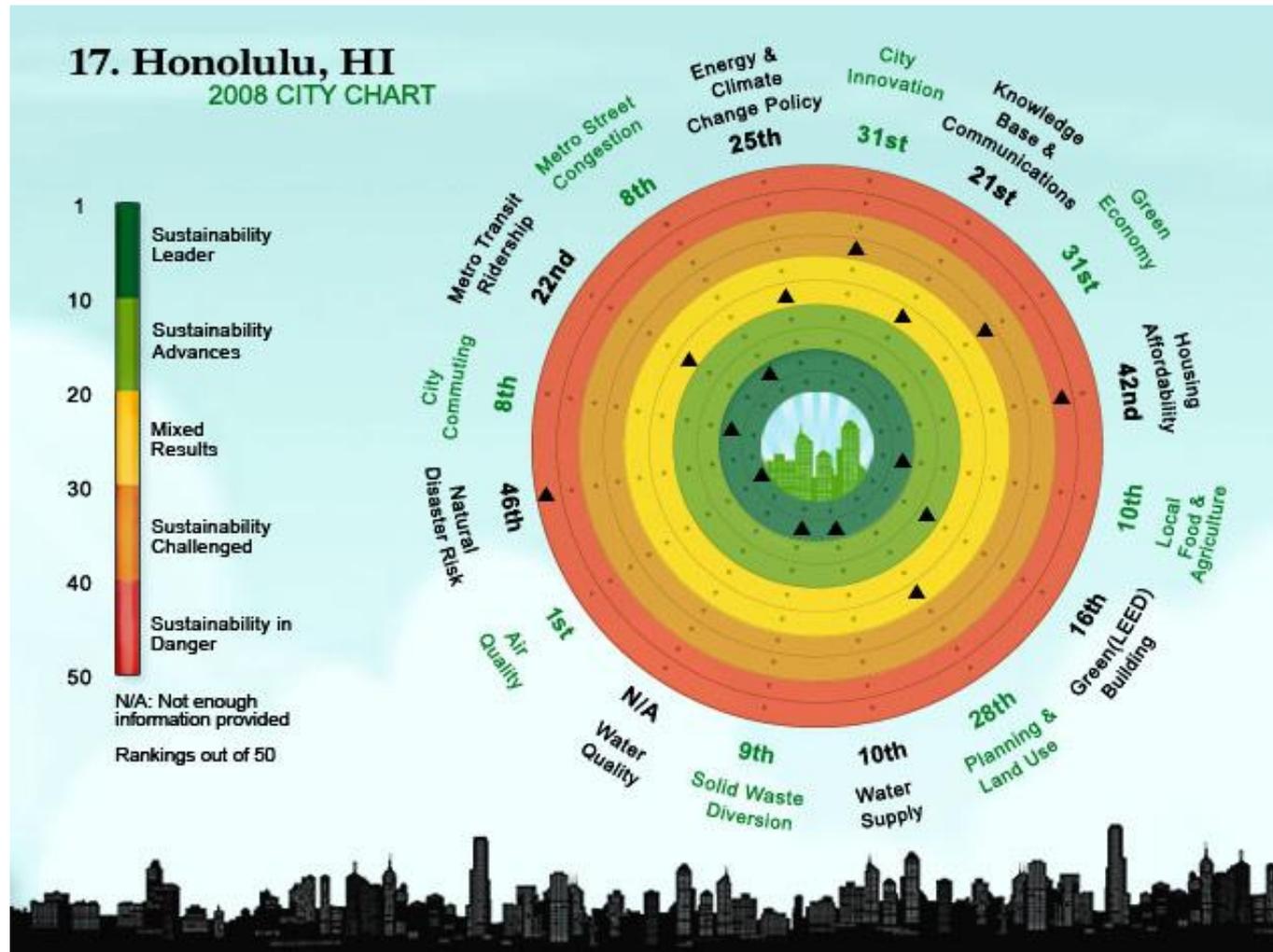


Honolulu Today

How Sustainable is Honolulu?

2008 US City Rankings by SustainLane ranked the 50 most populous US cities

17th Honolulu



Honolulu Today

The detail shows a worse picture

EDN Urban Environment
Report ranked Honolulu out of
72 US Cities:

38th for Mean Travel Time to Work

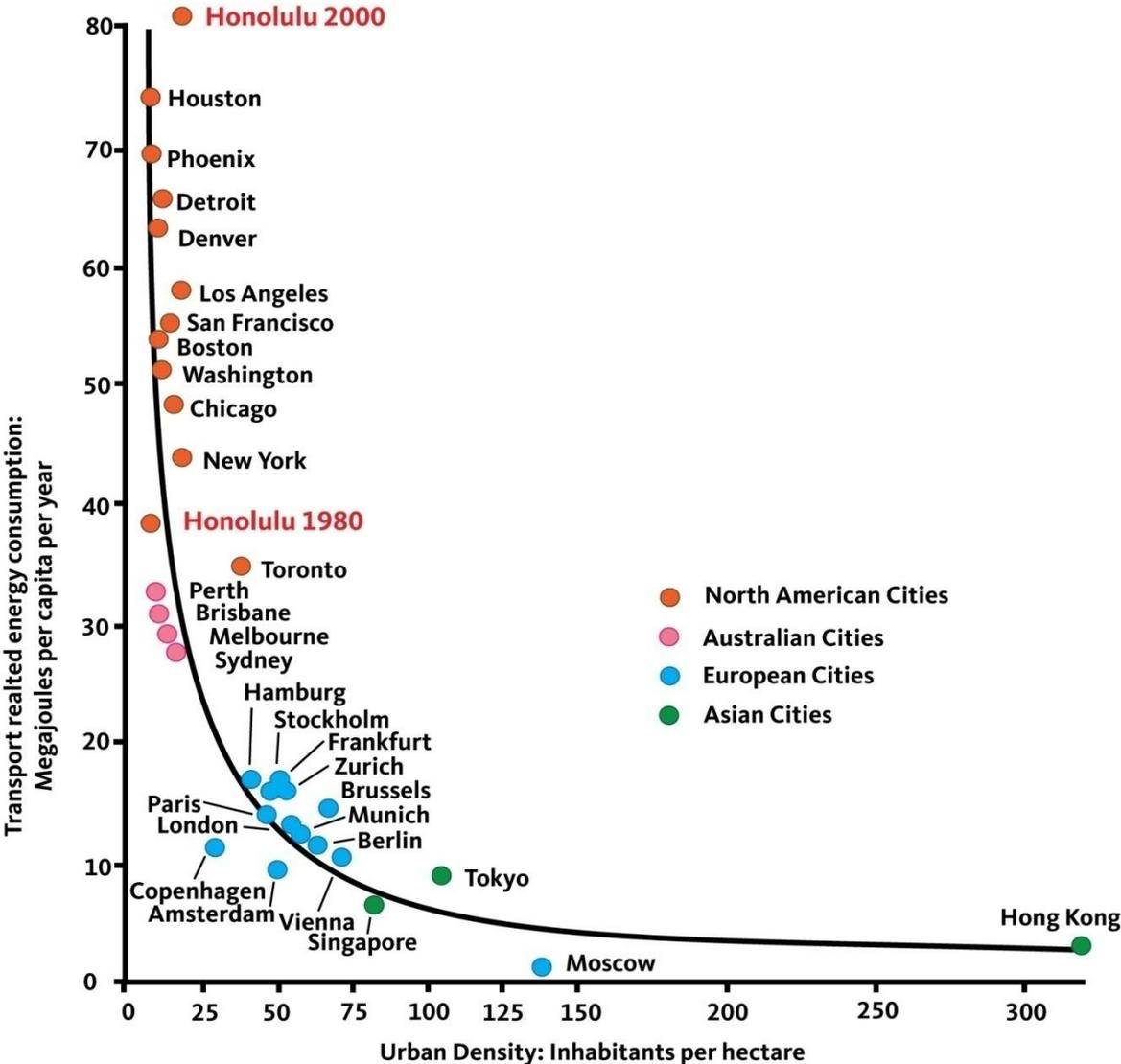
69th for % of Average Cost of
Living spent on Transportation



Honolulu Today

Petroleum provides nearly nine-tenths of all the energy consumed in Hawaii

The largest consumer of energy is transportation



Honolulu Transit

Transit improving liveability & sustainability



Honolulu Today

The disconnect between perception & reality

Perceived Paradise



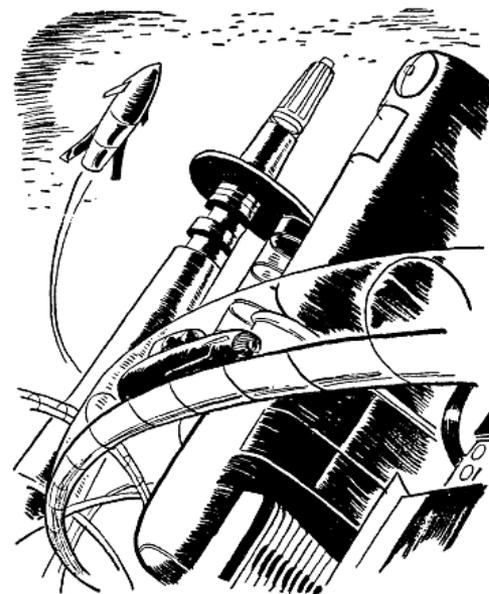
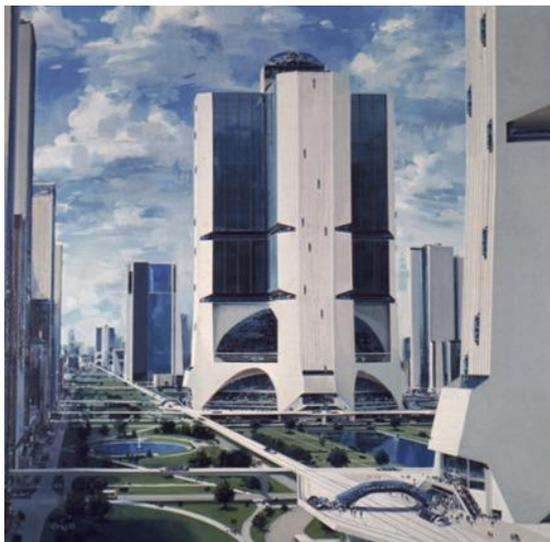
Urban Reality

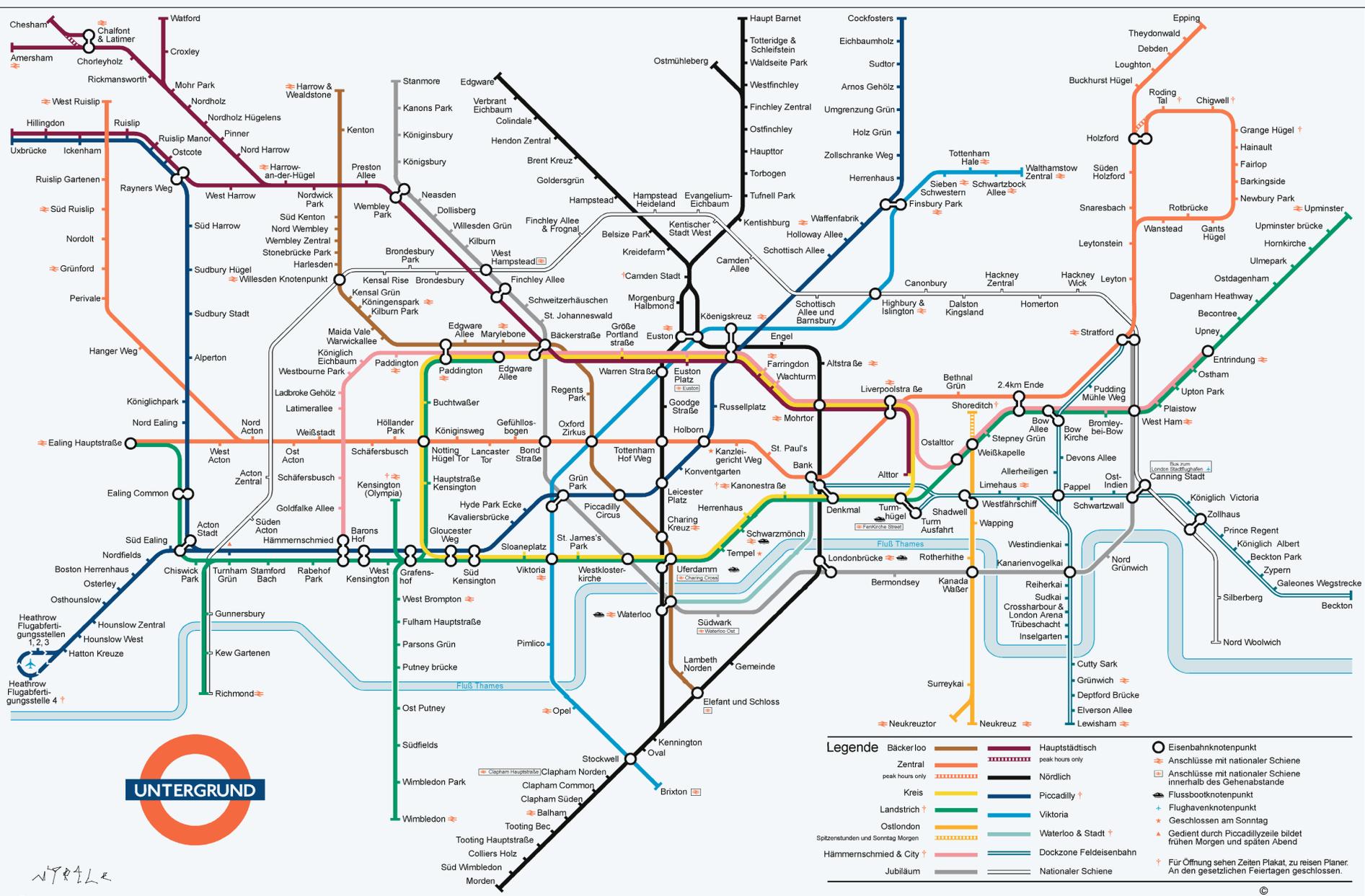


The need for Transit



Vision





- Legende**
- | | | |
|------------------------|-------------------------|--|
| Backer loo | Hauptstädtisch | ○ Eisenbahnknotenpunkt |
| Zentral | peak hours only | ⊕ Anschlüsse mit nationaler Schiene |
| peak hours only | Nördlich | ⊕ Anschlüsse mit nationaler Schiene innerhalb des Gehensabstandes |
| Kreis | Piccadilly † | ⚓ Flussbootknotenpunkt |
| Landstrich † | Viktoria | ✈ Flughafenknotenpunkt |
| Ostlondon | Wäterloo & Stadt † | ✦ Geschlossen am Sonntag |
| Hämmernschmid & City † | Dockzone Feldseisenbahn | ▲ Gedient durch Piccadillyzeile bildet frühen Morgen und späten Abend |
| Jubiläum | Nationaler Schiene | † Für Öffnung sehen Zeiten Plakat, zu reisen Planer. An den gesetzlichen Feiertagen geschlossen. |

NYRLE

Honolulu Transit

The need for transit is established.

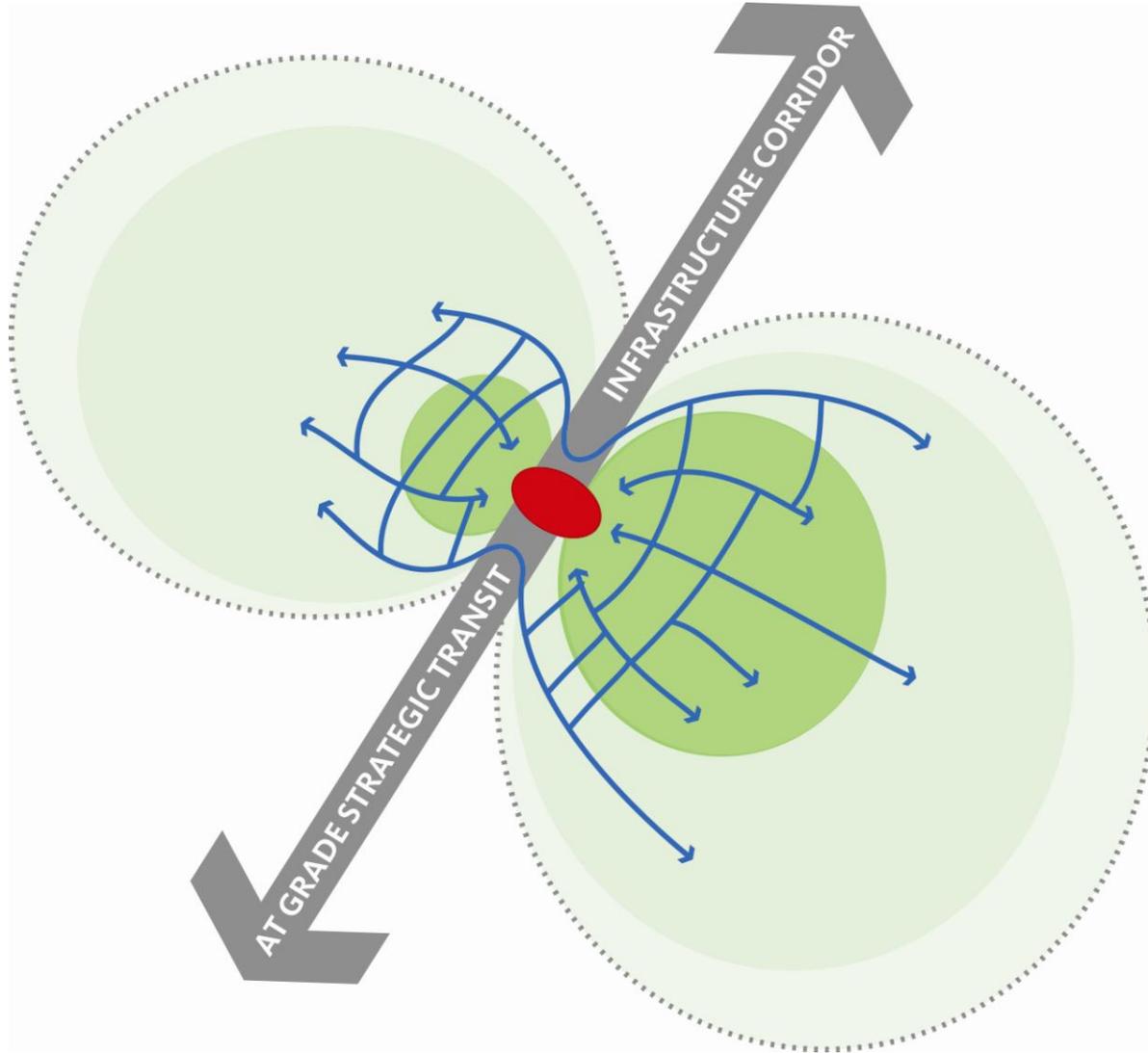
The technology - elevated rail - is determined.

The route is planned.

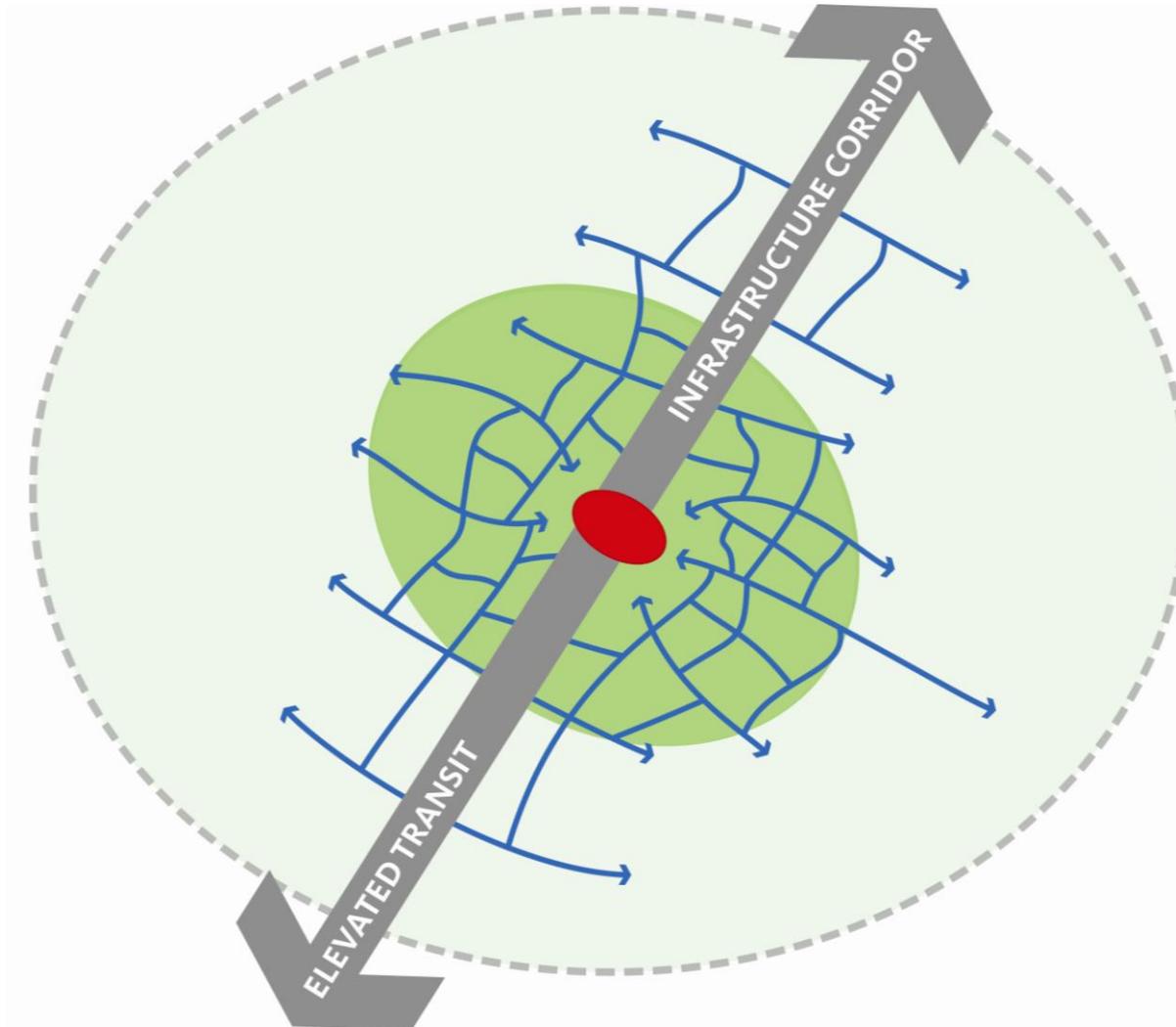
Now to decide how to integrate it into the city to leverage the benefits of transit for Honolulu's communities

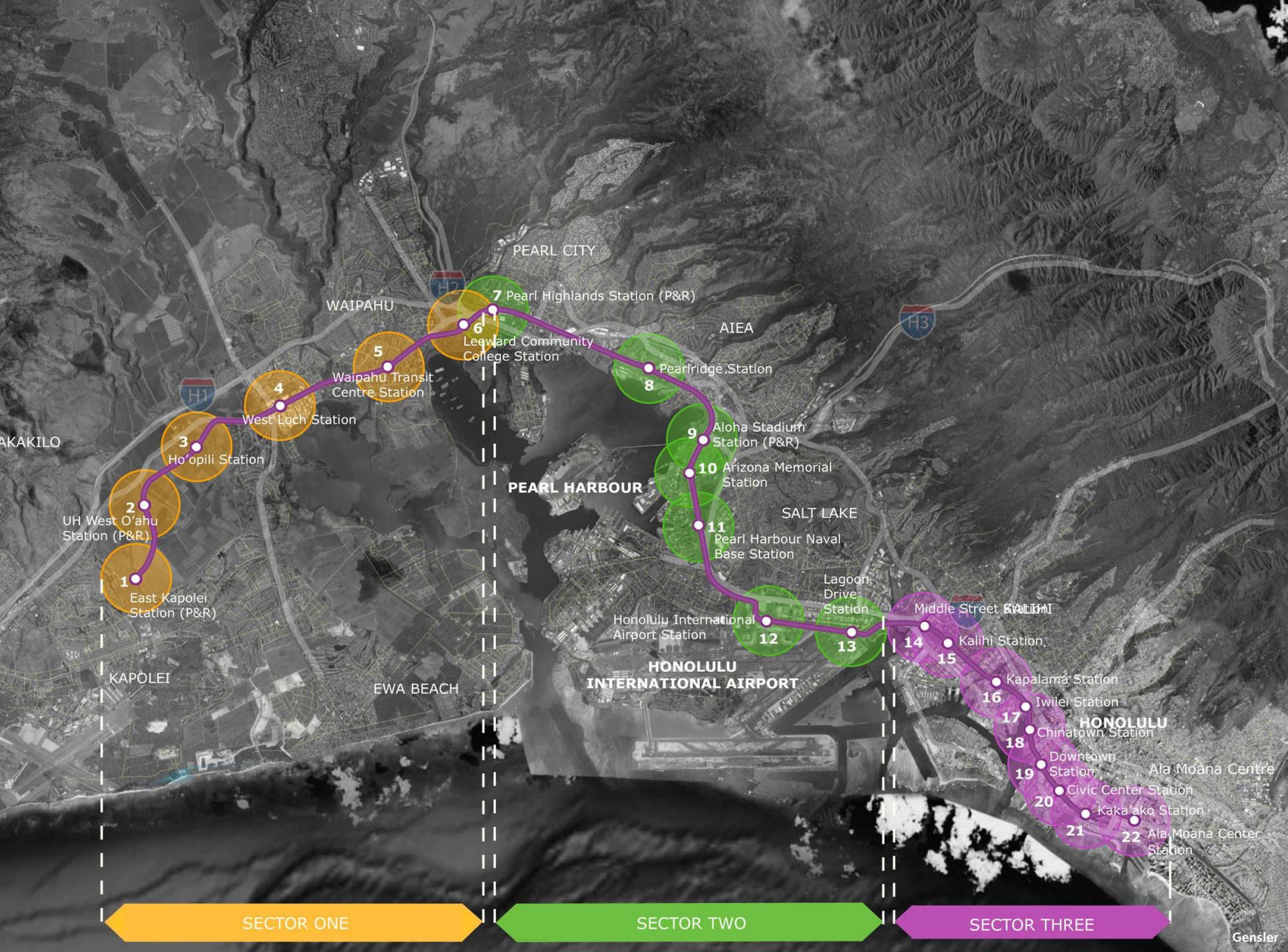


At grade - Divisive



Grade Separated - connected





PEARL CITY

WAIPAHU

AIEA

KAHAKILO

PEARL HARBOUR

SALT LAKE

UH West O'ahu Station (P&R)

Honolulu International Airport Station

HONOLULU INTERNATIONAL AIRPORT

KAPOLEI

EWA BEACH

Middle Street Station

HONOLULU Chinatown Station

SECTOR ONE

SECTOR TWO

SECTOR THREE

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

Ho'opili Station

West Loch Station

Waipahu Transit Centre Station

Leeward Community College Station

Pearl Highlands Station (P&R)

Pearlridge Station

Aloha Stadium Station (P&R)

Arizona Memorial Station

Pearl Harbour Naval Base Station

Lagoon Drive Station

Kalihi Station

Kapalama Station

Iwilei Station

Downtown Station

Civic Center Station

Kaka'ako Station

Ala Moana Center Station

H2

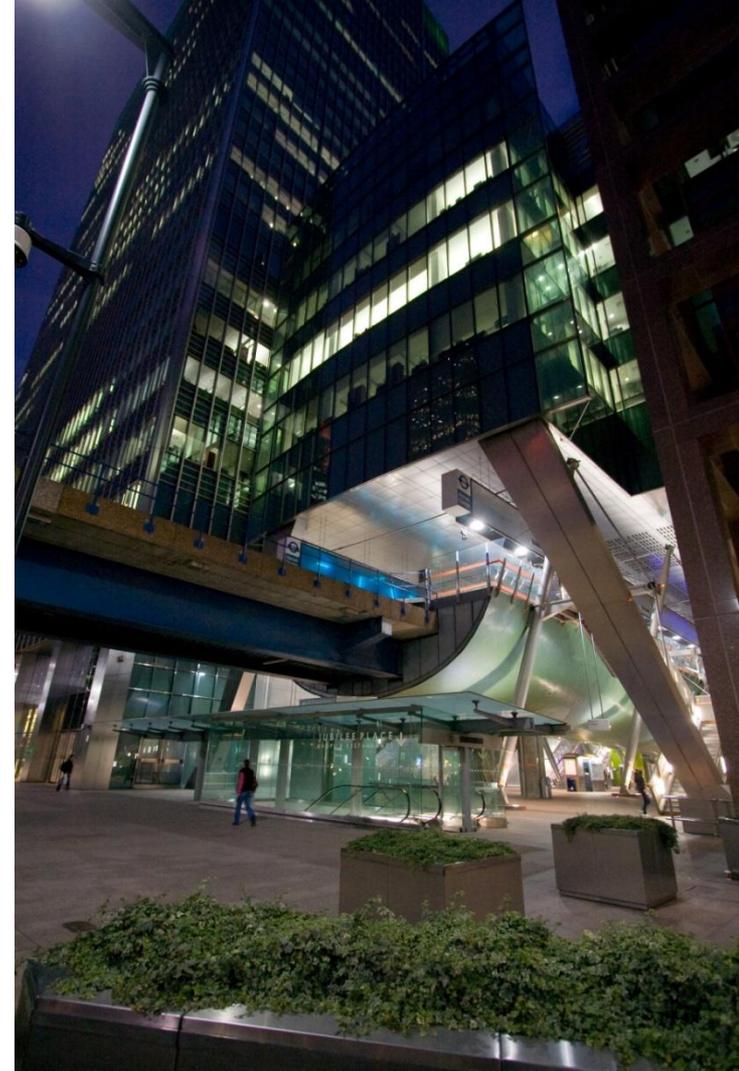
H1

H3

Catalyst for city repair



Docklands Light Rail, London



The experience – the view of it and the view from it



Docklands Light Rail, London

Maximise connectivity



Bangkok, Thailand



Functional integration



Paris Viaduct

The station as the mixed use destination



St Pancras Station, London

The station is a community focus



Singapore – MRT & Local Retail

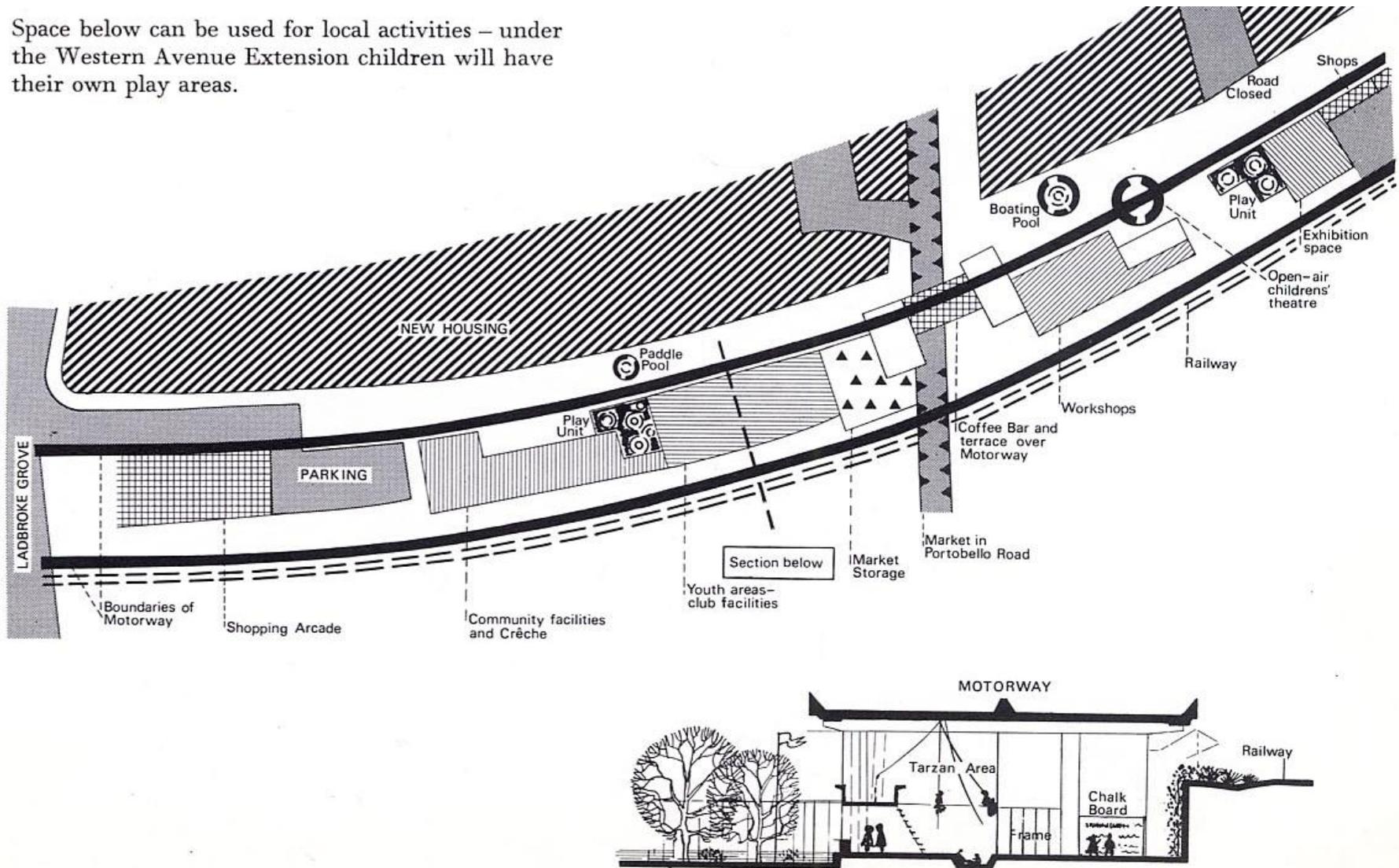
Engaging the community



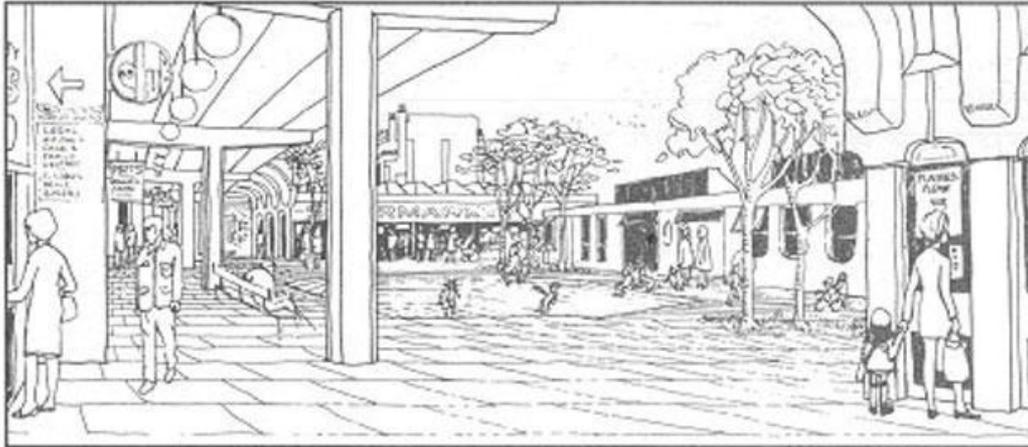
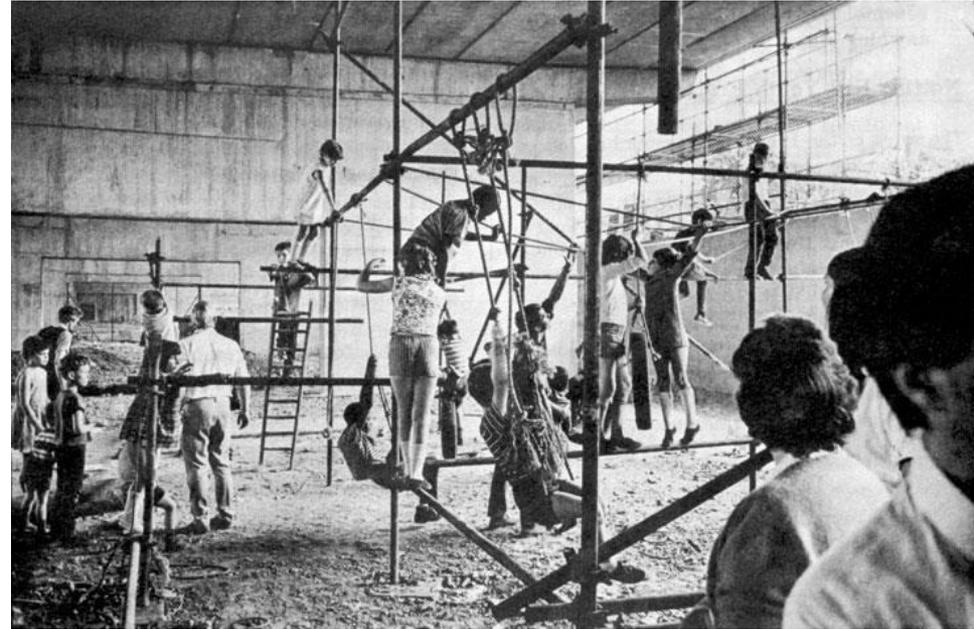
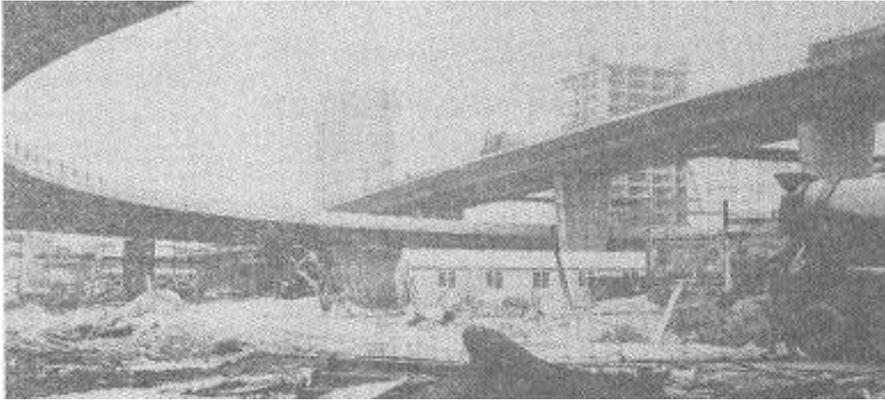
Westway, London, Westway Development Trust

Engaging the community

Space below can be used for local activities – under the Western Avenue Extension children will have their own play areas.

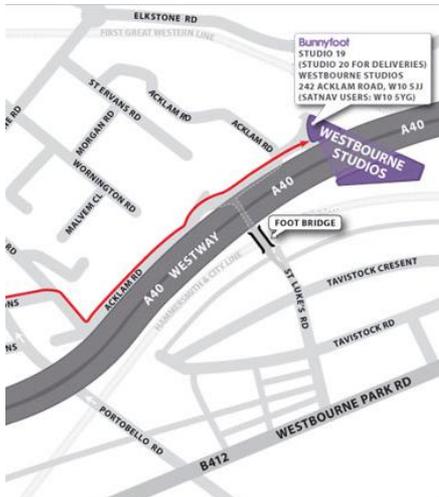


Engaging the community



Westway, London (1970s) by Westway Development Trust

Engaging the community



Westbourne Studios, Westway, London



Westway, London



Westway, London



Bangkok, Thailand



Camden, London



Waterloo East, London



Deansgate, Manchester

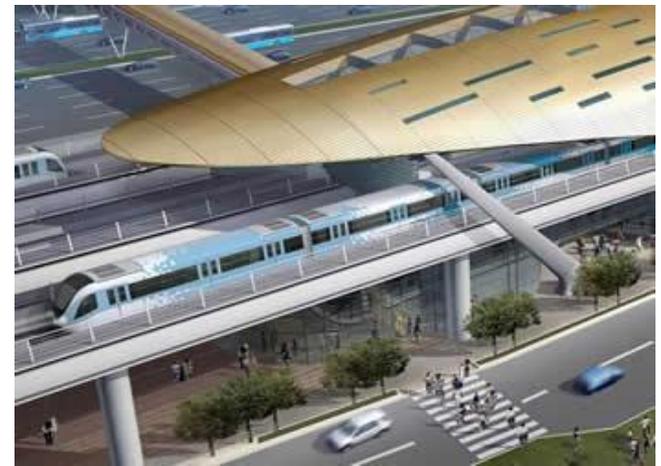


Leeds, United Kingdom

Moscow, Russia



Dubai, UAE





Singapore



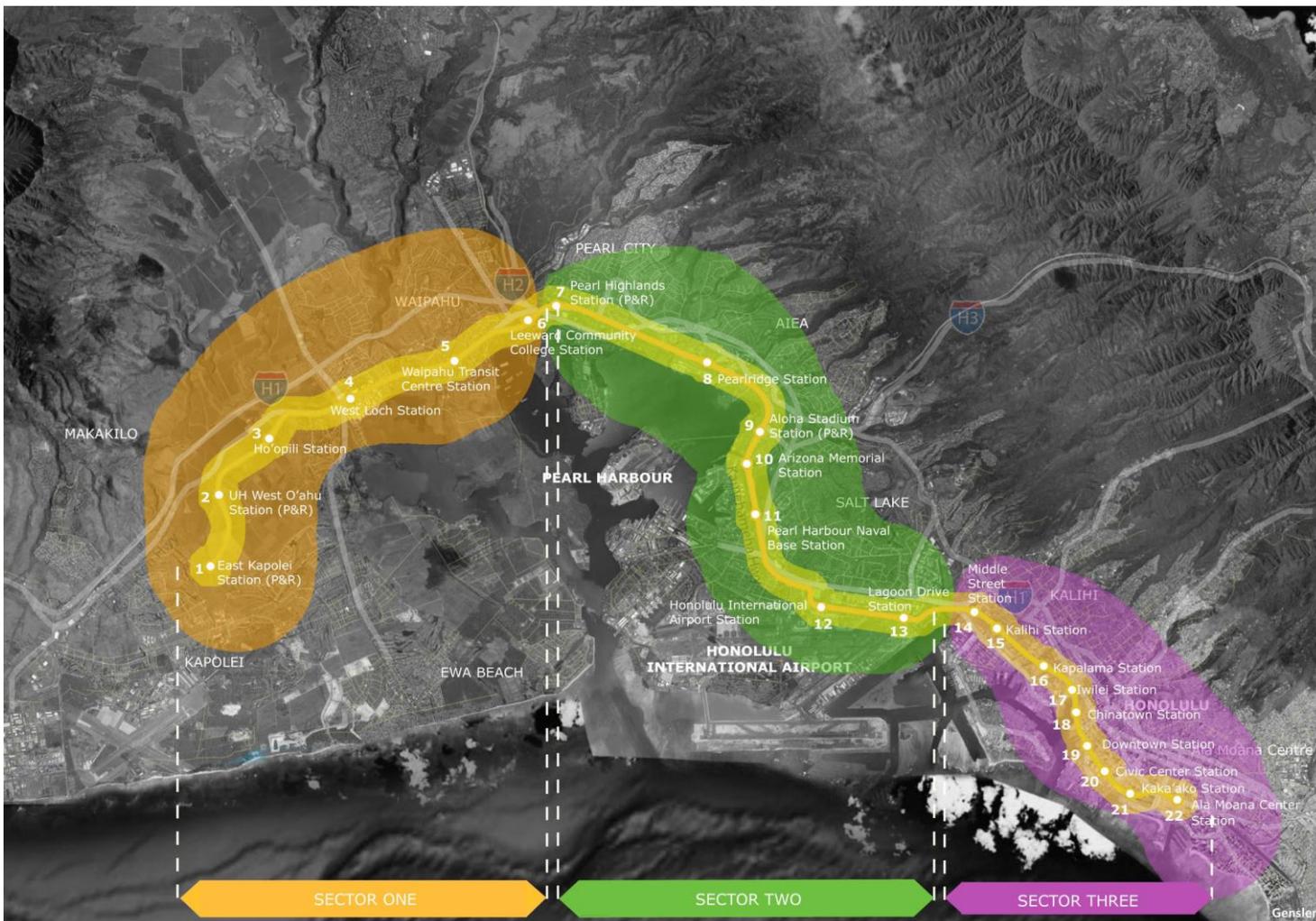
Singapore



Singapore

Honolulu Elevated Rail

The Catalyst for the Regeneration of Honolulu



Functional integration



Social integration



Thank you