research: mobility in network cities

design project: the peripheral hub

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mobility in network cities
+ the peripheral hub
fascination: Tokyo
NETWORK MOBILITY
FAST, UNCONTROLLABLE BY USER, NO RELATION TO SURROUNDINGS, CONCENTRATED LOCAL MOBILITY
SLOW, CONTROLLABLE BY USER, STRONG RELATION TO SURROUNDINGS, SPREAD OUT, LINEAR

AIRPLANE
HS TRAIN
TRAIN
TRAM
METRO
BIKE
HIGHWAY
ROAD
FERRY
BUS
WALK

decentralized
concentration on nodes
congestion on routes
dominance of nodes
“topologically speaking, metropolitan residents rely on the network of railways to establish geographic relationships.”

(Ohno, 2006, p. 106)
amsterdam as a network city?
the peripheral hub
(Bertolini, 2008)
place

node

public area
metro platforms
commercial area
facilities
services
elevator to platform
walking route
main route for transfers
service entrance

the open area is approximately 9000 square meters in total.
a full walk around is 530 m which takes about 6 minutes.

100 m
SHOP

WATER BUFFER
warm in winter
cold in summer

ELECTRIC CARPARK
charging with excess electricity
use as buffer at peak demand

solar
energy