

HOP ON

"It does not matter how slowly you go as long as you do not stop." - Confucius



HOP ON is an autonomous public transport vehicle focusing on the urban area. As the name suggests, you can jump on the vehicle while driving. Similar to a paternoster elevator, HOP ON has a continuous moving platform on the entry side, which makes the access much easier. The treadmill runs in the opposite direction of traveling, whereby the relative speed to the vehicle is reduced when jumping on. The fact that the vehicle doesn't need to stop any longer, it allows a continuous ride for the passengers.

When does slowness make sense in transport?

1. **not in a hurry** => passengers have enough time
2. **only short distance** => city and suburb
3. **no driving want** => autonomous driving
4. **focus on surrounding** => transparency
5. **fluid journey** => no stop

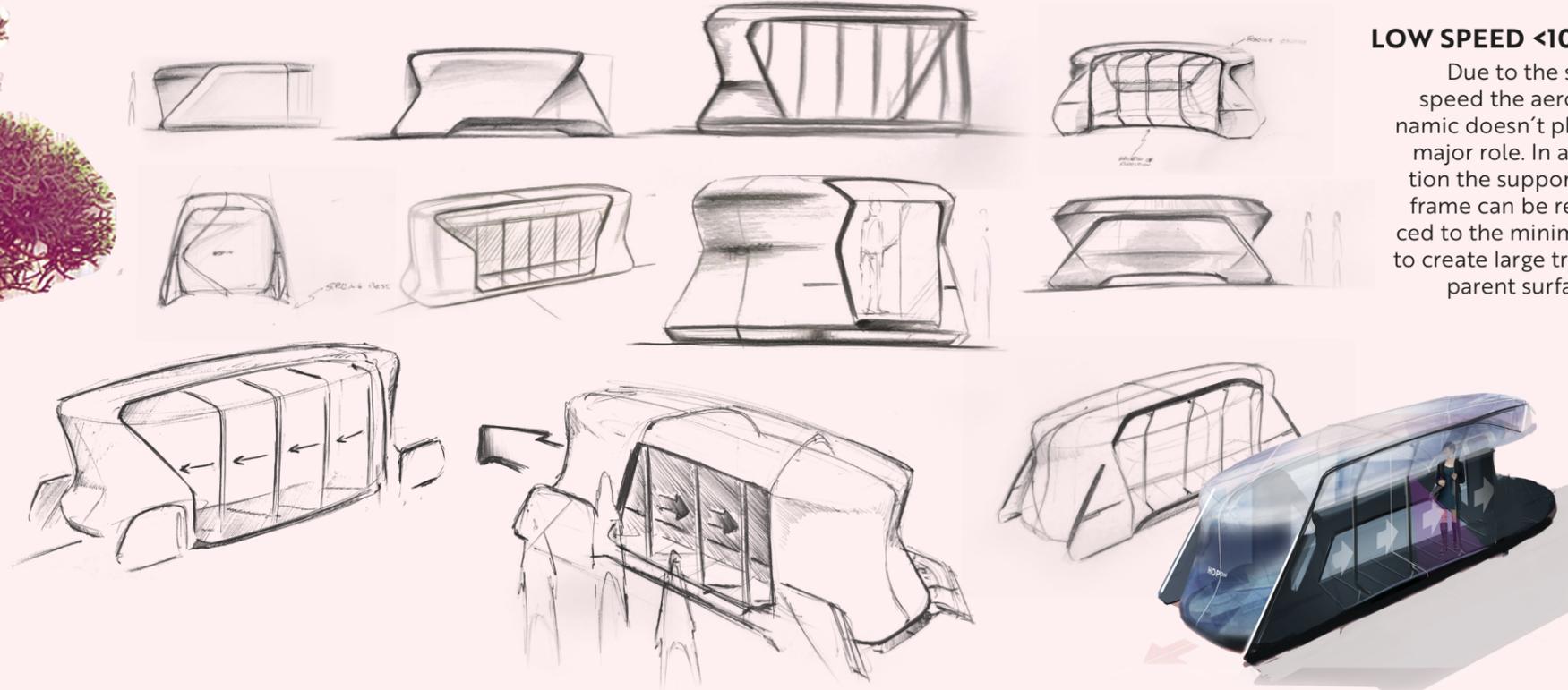
what defines SLOWNESS



STRONG BASE & SMALL BRANCHES

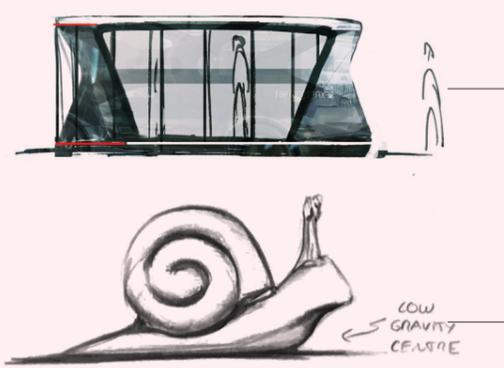
Assymetrical and non directional like a bonsai tree with strong base additional to a fragile, dendritic and light top.

盆栽
BONSAI TREE



LOW SPEED <10KM/H

Due to the slow speed the aerodynamic doesn't play a major role. In addition the supporting frame can be reduced to the minimum to create large transparent surfaces.



same gesture as a slug



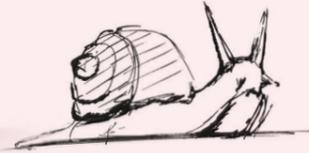
KEYSKETCH

HOP ON!

The main feature is the treadmill which runs in opposition to the direction of travel, whereby the relative speed to the vehicle is reduced when jumping on. On the other side is a platform for resting until the passenger wants to get off again.



LED stripe, which is used for communication, creates a floating feeling

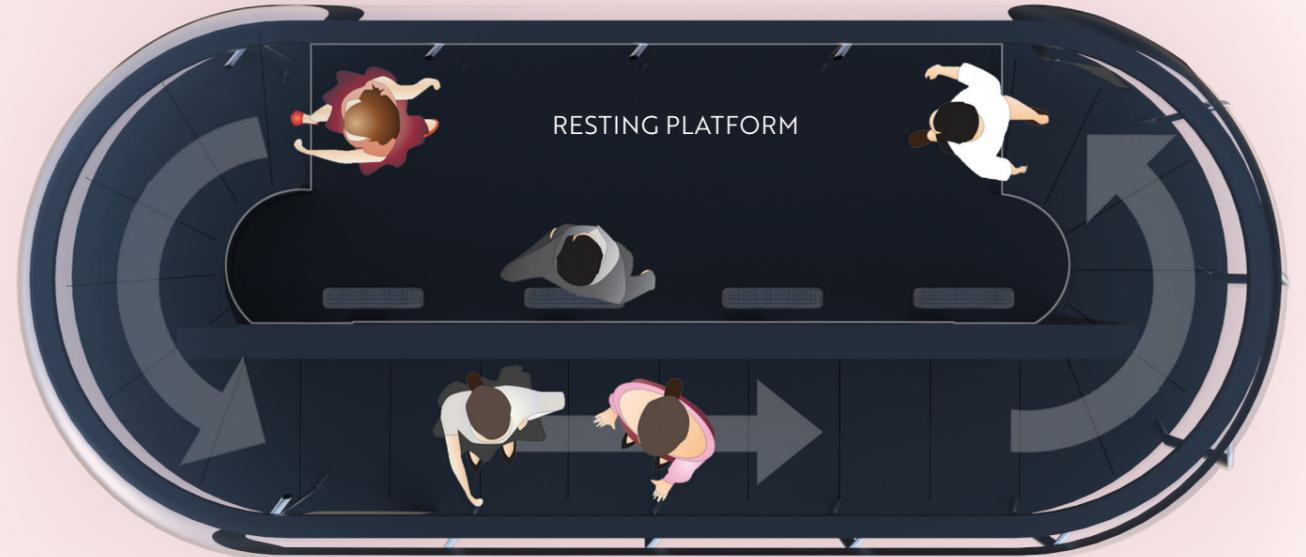


Rubber tracks: to keep the platform as flat as possible to enable easy access - in addition the tracks, which reminds of a slug creates a visual stability.

$$V_{(\text{vehicle})} - V_{(\text{treadmill})} = V_{(\text{people})}$$

$$10\text{km/h} - 5\text{km/h} = 5\text{km/h}$$

10 km/h



3 km/h

5 km/h

The fact that the walking speed is the same as the relative speed of the treadmill on the vehicle, it allows an easy access.

FLEXIBILITY

Get on and off wherever and whenever you want. Therefore no stations are needed.



USE CASE

HOP ON is mainly used for commuting in public areas. In addition the interior can be used as rolling exhibiton, recovery room or infopoint for tourists.

