

**PlugIn-Storage**

Shopping Cart, Cool Box, Mobile Office, First Aid, Sound System.

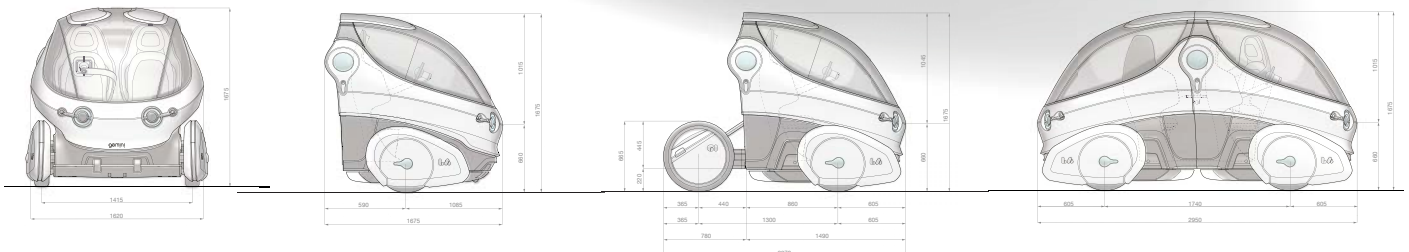
**Modular Unit**

Range Extender, Vehicle To Grid Unit, Top Speed Enhancer.

# gemin!

## FUTURE MOBILITY IN THE METROPOLITAN AREA OF SINGAPORE

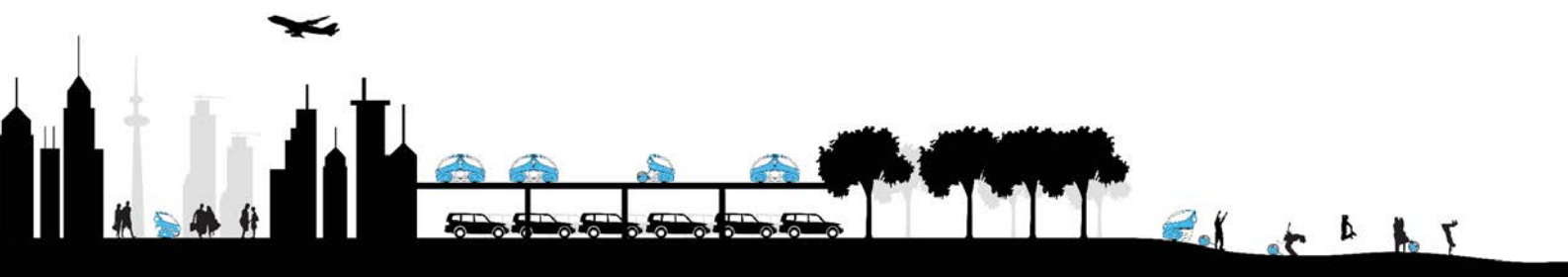
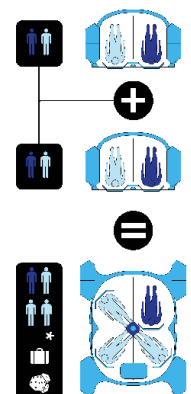
Team: Florian Abendschein, Paul Clemens Bart, Marvin Bratke, Simon Rauchbart, Daniel Tudman.



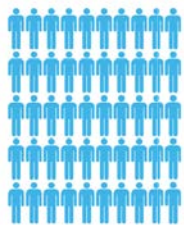
As low performance infrastructure is becoming the limiting factor of rapidly growing megacities, 'Gemini' introduces a whole product family, designed to fit the needs of future mobility. Developed by using the example of the compact, transport-oriented city state of Singapore, 'Gemini' is bridging the gap of its future infrastructure plan - creating a complete integration of personal mobility in both the private home as well as Singapore's expanding public transport, each sector working seamlessly with the whole system. By using Singapore's unique social foundation of central allocated housing by the Housing and Development Board as a new instrument of 'car sharing', 'Gemini' is bringing together the resource saving benefits of shared infrastructure with the amenities of personal property. Gemini's main unit, 'LA', an extremely reduced personal capsule for 2 persons is setting

minimum space- and weight requirements. It is strongly focusing on individual transport within the short range of the city center, where the lines of street levels and pedestrian zones are blurring due to high-density, vertical urbanism and slowed down, road pricing controlled traffic. By adding the modular-structured add-on, 'GL', Gemini shifts its typology - offering a wider range of usage through improved stabilisation, a performance boost and an included range extender. Its plug-in based system of flexible storage permits the possibility of personalization and customization.

Combining two 'LA' units back to back, Gemini can be used as a micro car for families. The interior rearranges itself to form a new space of communication and exchange between the passengers and a plus of storage, resulting in a flexible configuration that provides more than the sum of its parts.

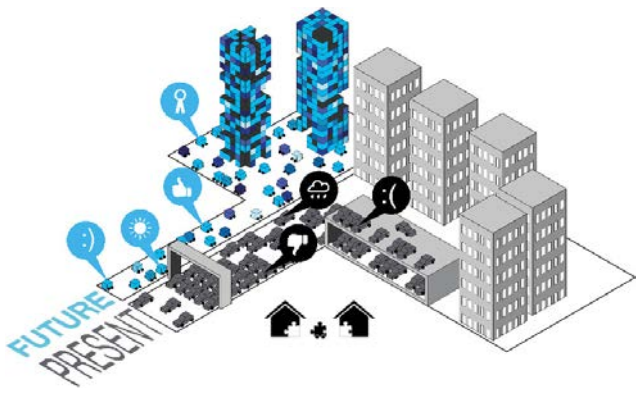
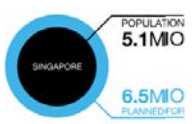






## SINGAPORE

AREA: 710,2 KM<sup>2</sup>  
POPULATION: 4.987.600



HDBIntegration



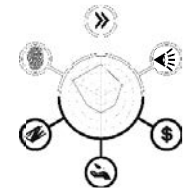
### HARAJUKU-KEI

Age: 20-35 | Household: 1

Signature Items



*hæɾəˈzuːkuː kay/ n.* Japanese [Style in Shibuya, Tokyo]



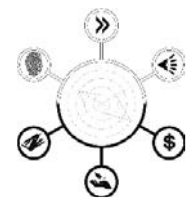
### THE AHCHECK

Age: 40-60 | Household: 1+1+

Signature Items



*/chek, tSEK/ n.* Malay [uncle, middle-aged man]



### THE KIASU

Age: 30-45 | Household: 1+1+

Signature Items



*ˌkiasuː/ n. & a.* Hokkien [one who is afraid of losing]



TargetAudience