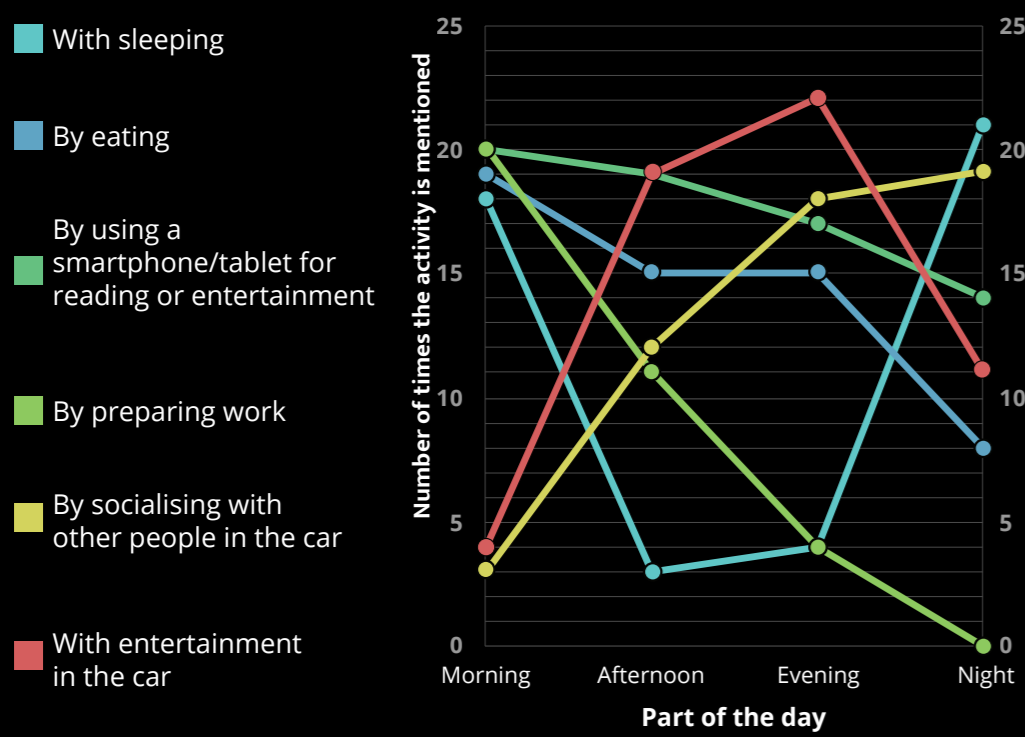


AN INTERIOR PROPOSAL FOR A FUTURE SHARED AUTONOMOUS CAR WITHIN URBAN CITIES



In a couple years from now, we will be introduced to self-driving cars that provide ride-sharing services. These cars will enable occupants to perform the activities that they would like to do during daily commute.

1 Ways of spending time during daily commute in a shared autonomous car



The preliminary online survey shows the following activities that people will most likely do.

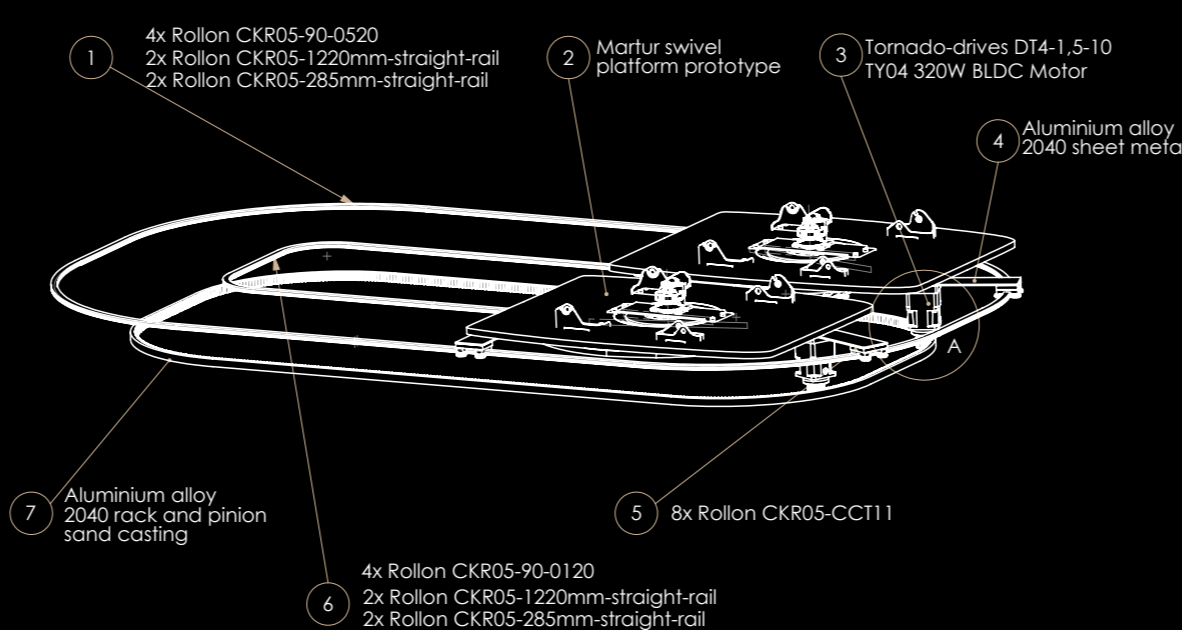
2



participants were asked to simulate these activities in an experimental exploratory study. In total, 5 new seating layouts were found. These seating layouts were then realized by a mechanical system.

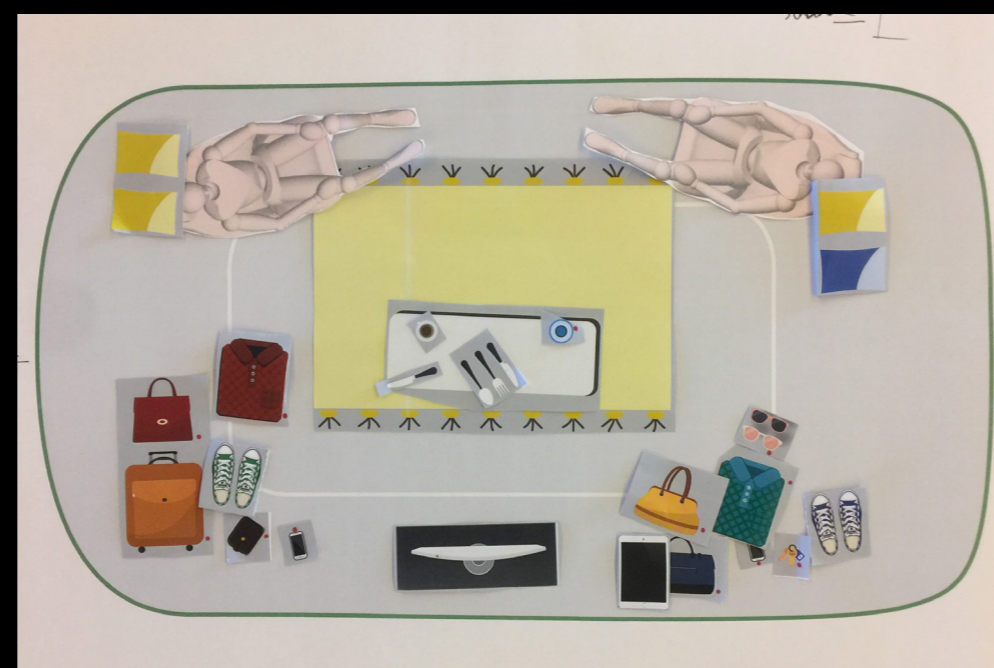
3

the main goal of this system was to be as simplistic as possible, while still providing a safe solution. The resulting system uses a rack and pinion track together with a DC motor, two Rollon rail systems and a swivel mechanism provided by the client.



A creative session was held to figure out what stuff people need during these activities and the rituals that they perform. Five participants were asked to simulate their living room experience

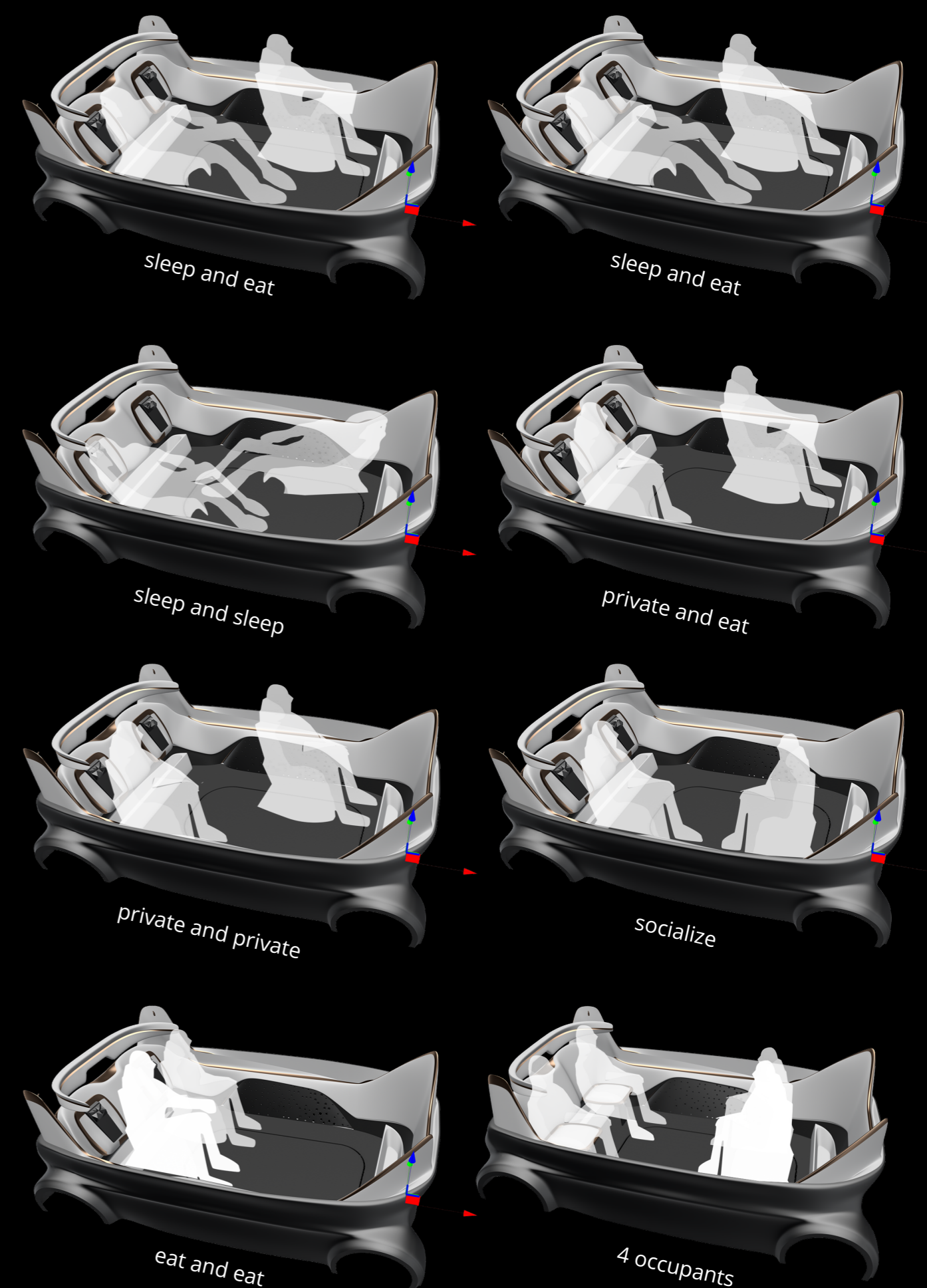
4



This session resulted in a clear use-scenario and provided functions to certain elements within the cabin (like a door trim which has space to leave your small luggage and shoes).

5

At last a design was made which is inspired by the interior language of BMW (harmony in simplistic and complex surfaces), current living room designs and a collage. The 8 different seating layouts are presented here.



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An interior proposal for a shared autonomous car
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Integrated Product Design

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