

Mercedes-Benz

Innovación en el diseño de autobuses

UN IMPULSO AL TRANSPORTE PÚBLICO METROPOLITANO





Urban buses former Concept















Urban buses former Concept





Mercedes-Benz LO 3500 personalizado, 1935

Urban buses today Concept















Urban buses today Concept















Urban buses today Concept (Saint Nazaire 70,000 citizens)











Inauguración: 2012

Longitud: 9 km

Frecuencia: 5 min

Vc : 22 km/h

Pasajeros/día:

12.000



Success story BRT:

- +60% daily passengers
- +20% sporadic passengers
- +20% passenger satisfaction

Attractive and innovative external and interior design TICs (Passenger information)
Regularity / Punctuality / Reliability







Mercedes-Benz Future Concept



Intention

Interior

layout

design theme

light concept

color and trim

Exterior

design theme

light concept



intention



like a park

optimized passenger flow

rolling hotspot

Attractiveness of city buses

open space

'I want to go with this bus'

high quality interior

active communication

new styling language

stylish, cool

represents Amsterdam's architecture

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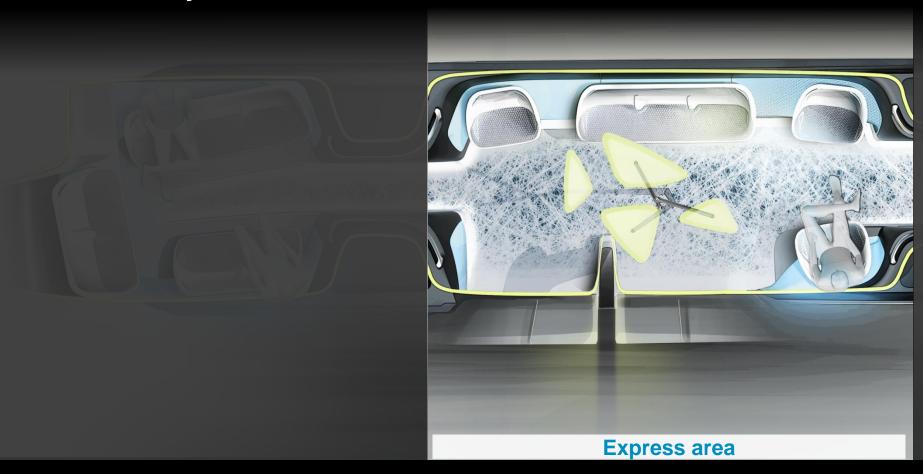






In our concept we created three main areas for passengers that refer to their needs and expectations regarding a future city bus.





double door for an optimized passenger flow seats facing entry / exit

e-ticketing system

information panel





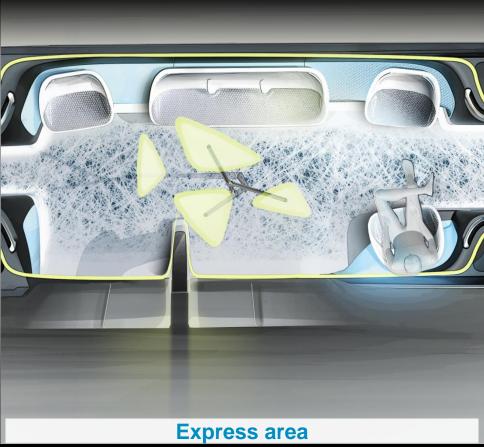
The bus has two ticketing systems that are positioned close to the doors to allow fast boarding.

There is also a grab rail integrated between the doors to provide maximum safety for the passengers.

The ticketing system also functions as a partition wall to keep passengers out of the area between the doors to avoid injuries.







On the opposite side of the entrance you can see two 43 inch monitor panels with destination and connecting information.

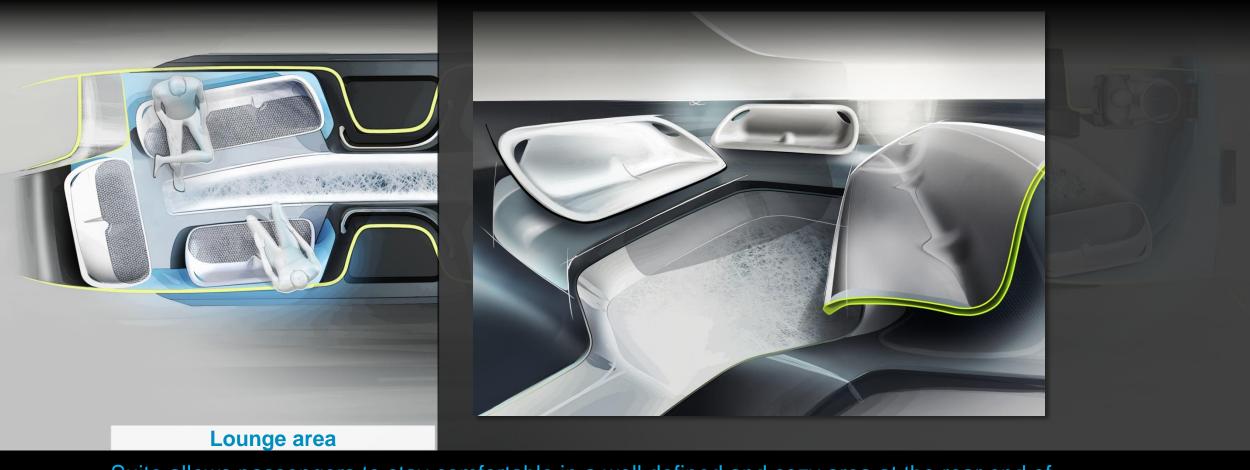
They can also be used for advertisement.





Suite





Suite allows passengers to stay comfortable in a well defined and cozy area at the rear end of the bus.





new HMI

wrap around fabric dashboard

communication between "driver' and passenger possible







New HMI* concept

All necessary information integrated in a 13 inch driver faced display - e.g. system status, bus information and CityPilot information.

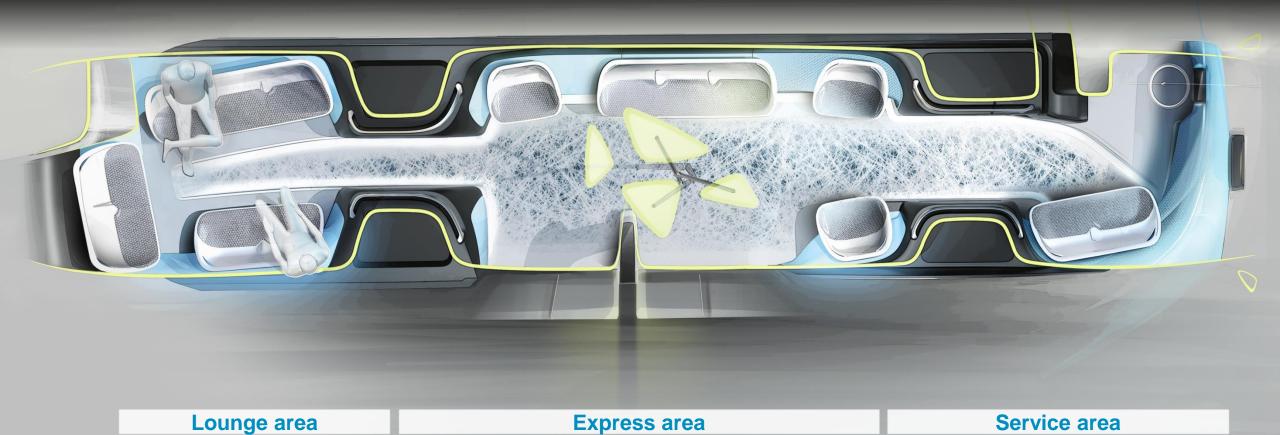
* HMI = human-machine-interface





Mirror Cam Monitors positioned in the same view angle like the current mirror system.





suite wrap around fabric covers

double door e-ticketing with grab rails between the doors information panel 2x43 inch monitor seats facing towards exit 13 inch display, wrap around fabric dashboard communication with driver possible

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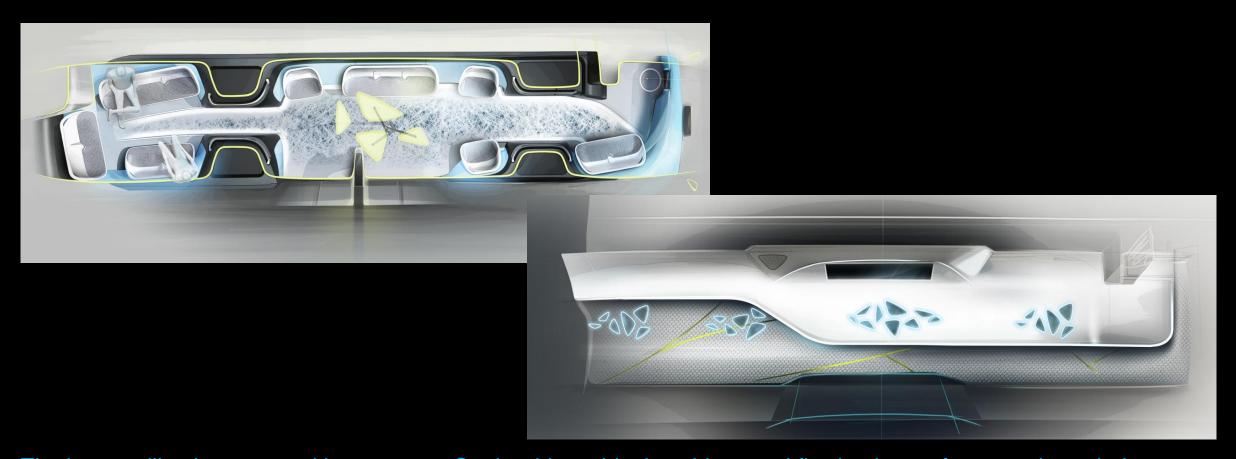
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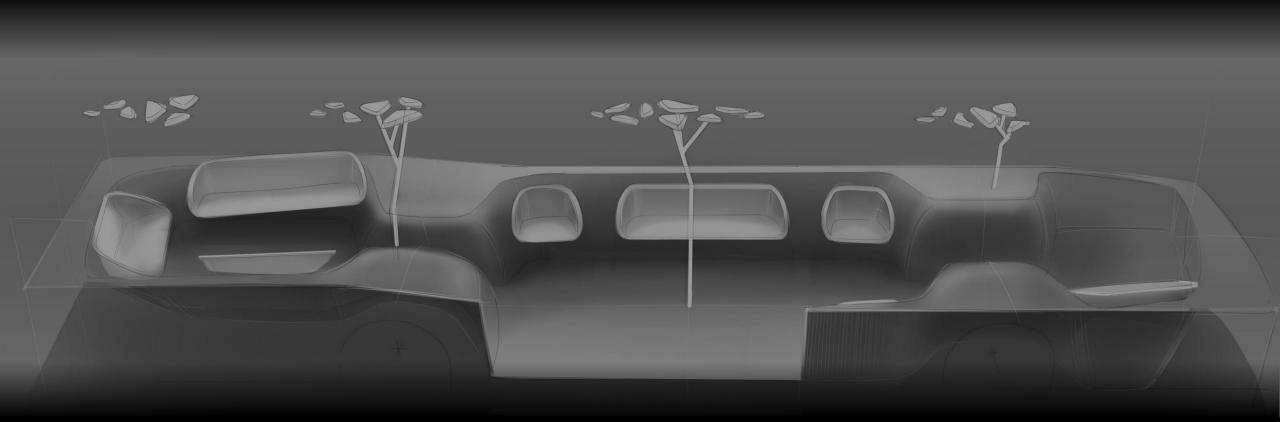




The inner ceiling is separated in two parts. On the driver side the white panel flowing in a soft sweep through the complete bus and ends as the vertical engine cover. It gives you an impression of the modern architecture style of Amsterdam.

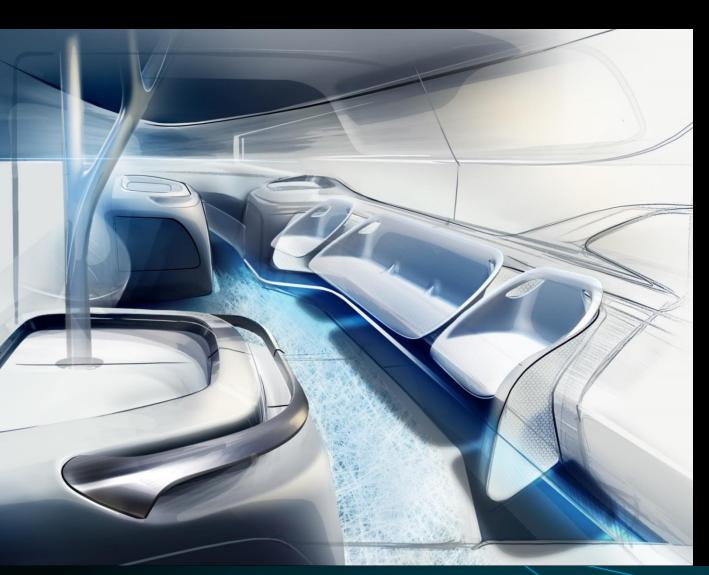
The other side is covered with a friendly light grey fabric with lemon green details. Both a reminiscence of city park and nature.





Basic styling theme shown in this picture as an interpretation of an open space with large windows, so you feel like on a terrace with 'trees' and 'suites'. On the other side, the sidewall and the comfortable seats give you the feeling to be in a safe place.





The seats / suites are a modern interpretation of classic interior seats and often used in public areas today.

This underlines the attractiveness of the city bus.

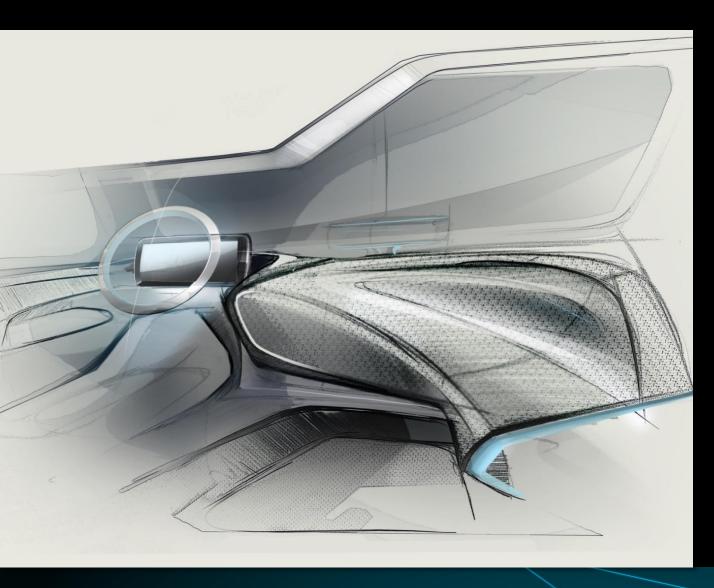
All of them are mounted to the fabric covered sidewall.

The arrangement in the bus allows passengers to get

in touch with other passengers but also to have







Fabric dashboard

Styling to integrate the surface (with its touch and feel) much more into the passenger area with its wrap around theme.

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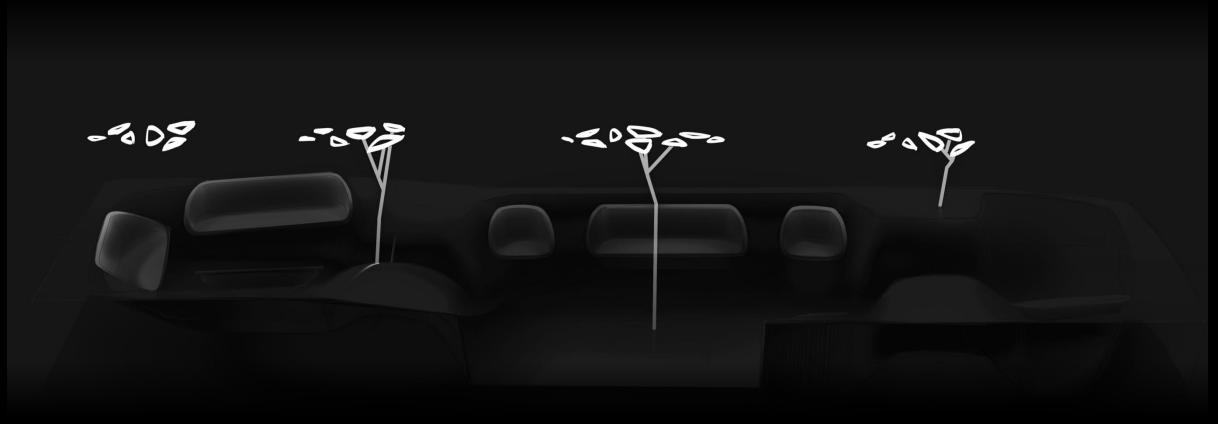






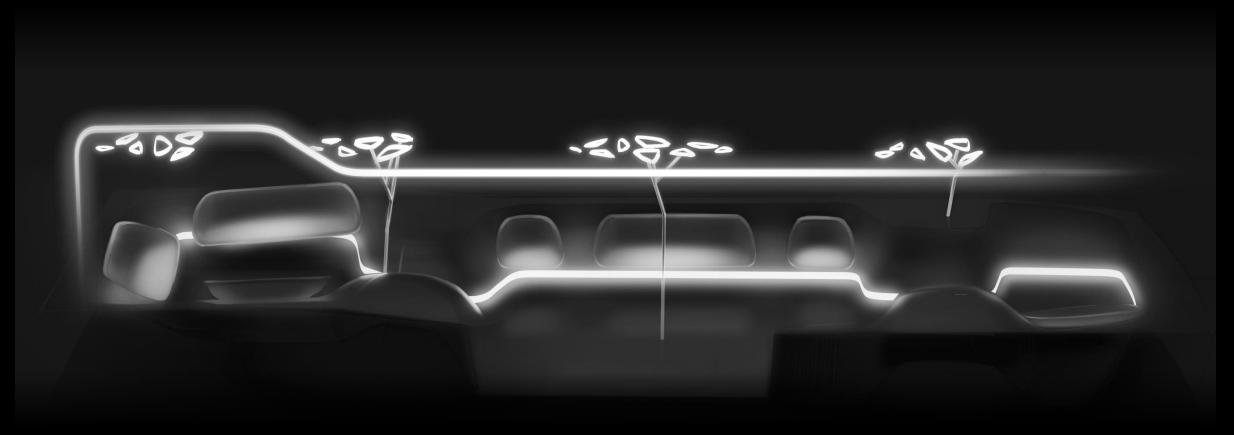
- show the current driving status





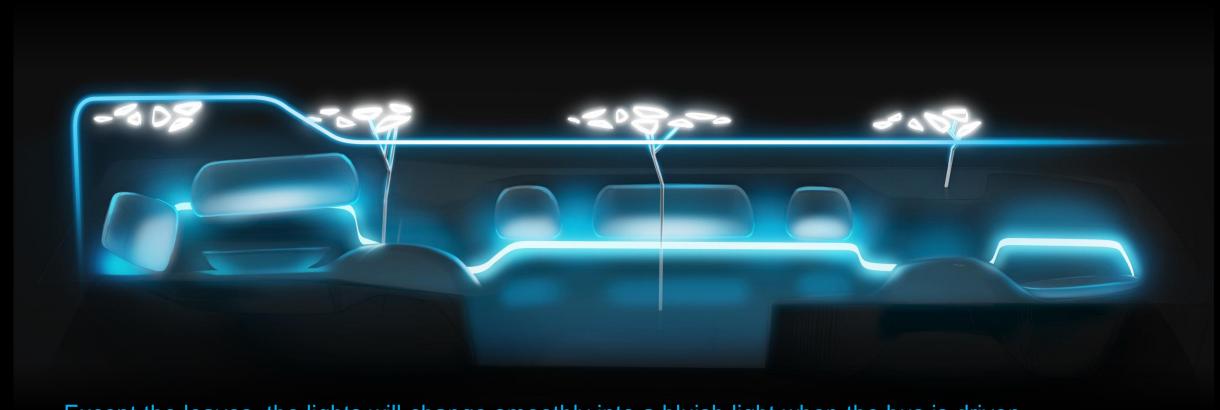
Grab rails running into luminescent leaves positioned in the ceiling. This gives you the feeling to sit under a tree at full moon.





In addition to the atmospheric luminescent leaves, indirect light is shining at the ceiling and the floor. This gives passengers orientation and informs about the operation mode: White means driven by driver.





Except the leaves, the lights will change smoothly into a bluish light when the bus is driven.

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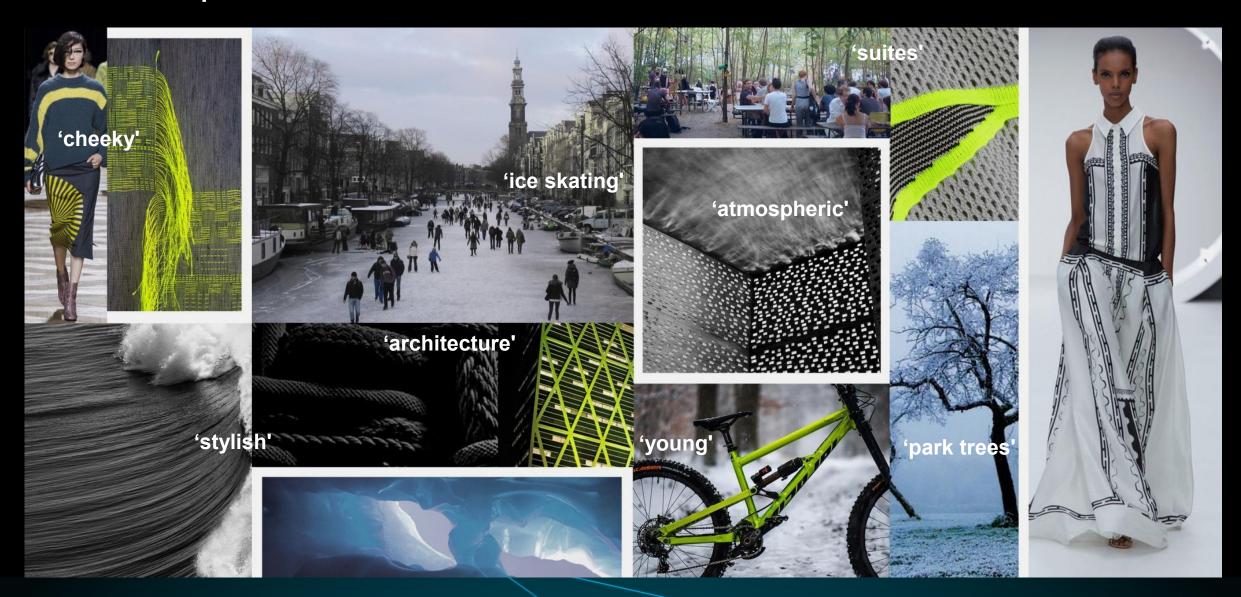
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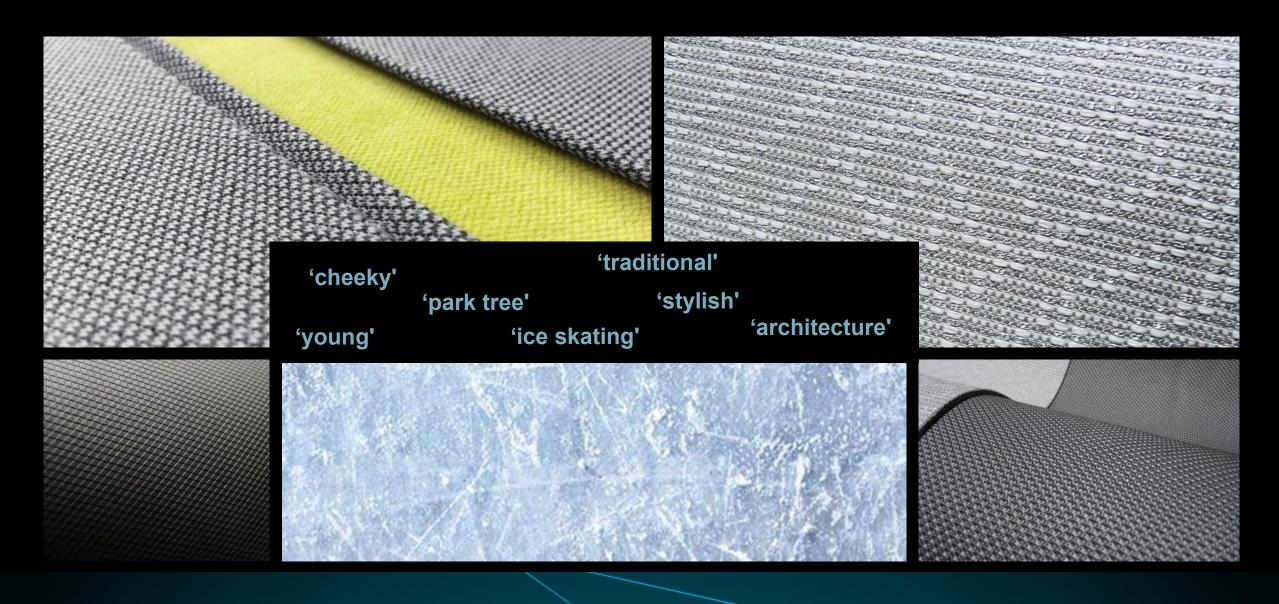
c&t concept





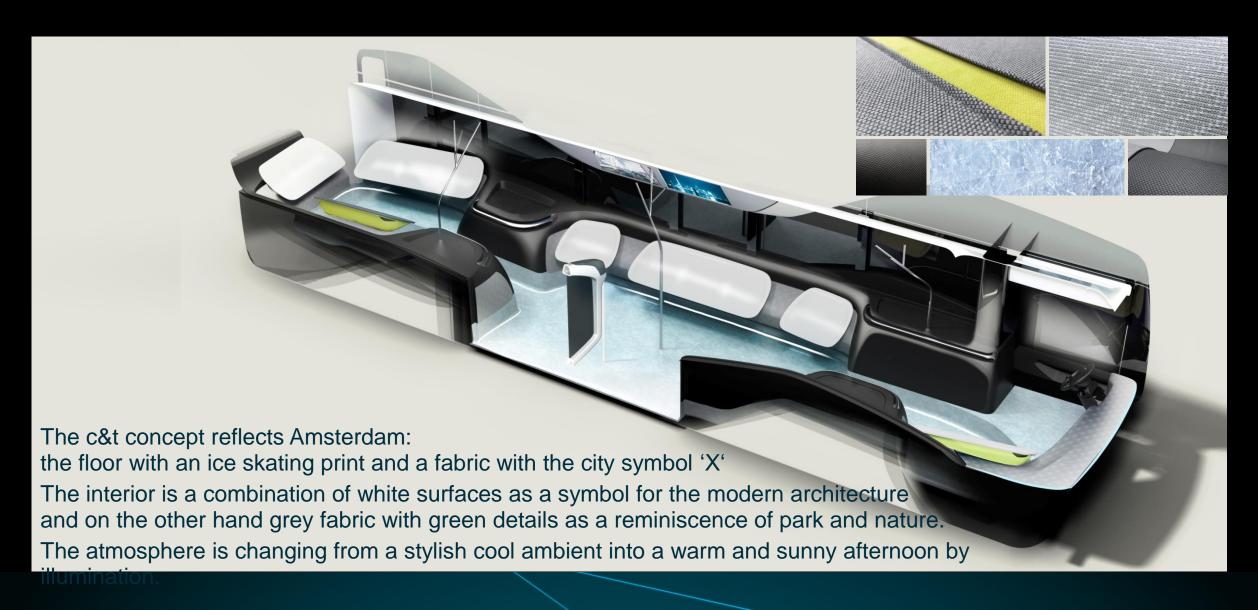
c&t concept





c&t concept





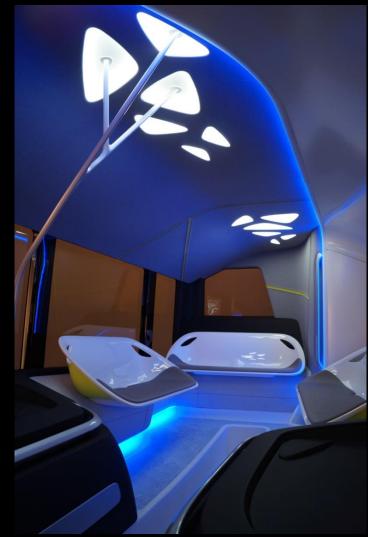
interior











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exterior









Strictly geometric graphic

Deep and black drawn windscreen appearance

The 'cooling mask' is not only a geometric part, it develops into a light sculpture and quotes the classic Mercedes-Benz commercial vehicle face

The roof runs into the upper windscreen which signalizes the reduced need for a visibility field because of autonomous driving.

At the co-driver area the bus still has a high windscreen for a better view out.





Strictly geometric graphic

Styling construction with a deep and black rear appearance

The rear lights in black surrounding are completing the C-pillar with the shape of bricks and look a little like the old ribbed rear lights.

The stripe between the rear lights forms a fundament and lets the bus look wide.

The rear end repeats the styling theme seen in the front.





Due to the interior arrangement, the body in white is asymmetrical.

On the left side you can see the 'zeppelin' which covers the information panel.

Main bodywork parts are on the driver side, so that maximum protection against other traffic partners is guaranteed.



'asymmetric design - inside out'





The side line reflects an abstract skyline of the city.





With large windows the bus appears like modern public buildings.

Wide double doors are offering an optimized passenger flow.

All this provides the impression of a public area with high emotional elements.

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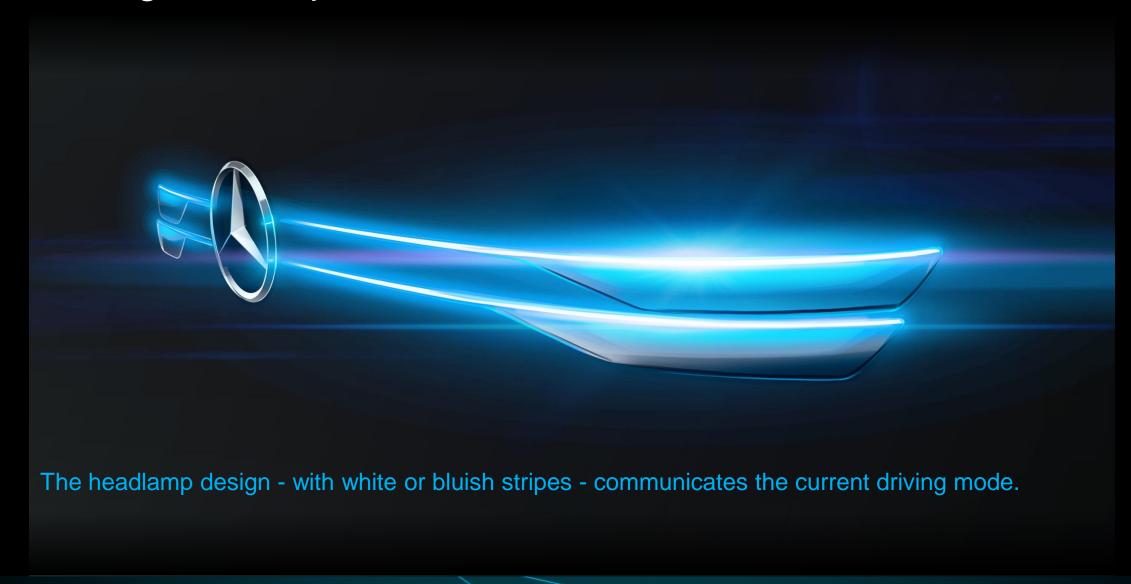
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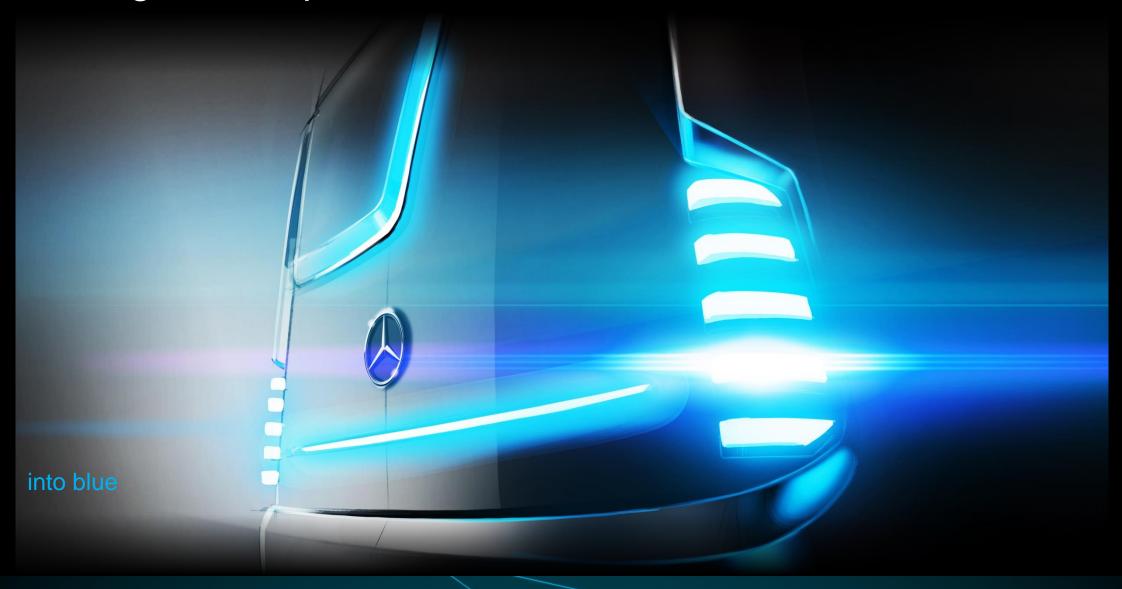




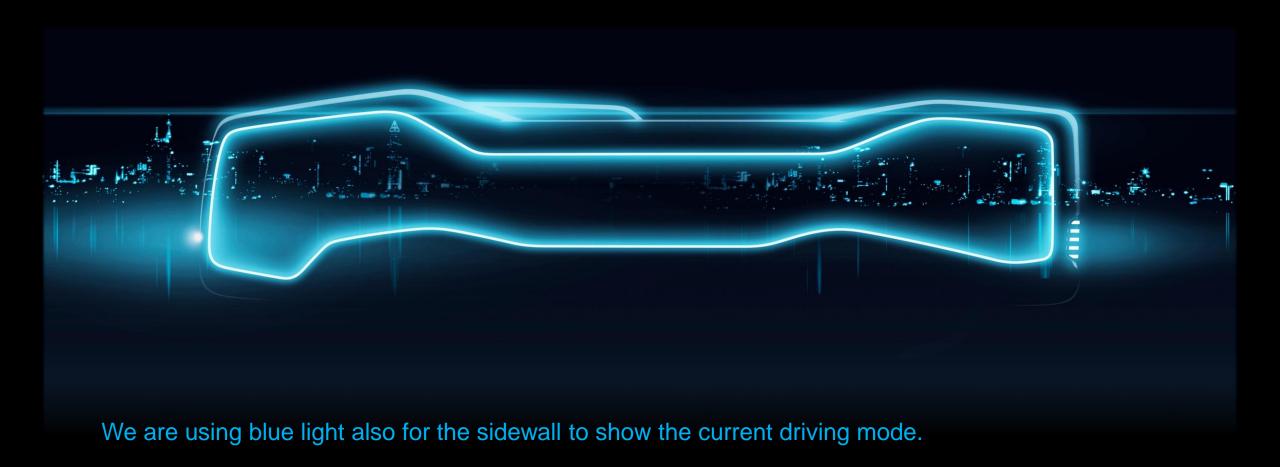




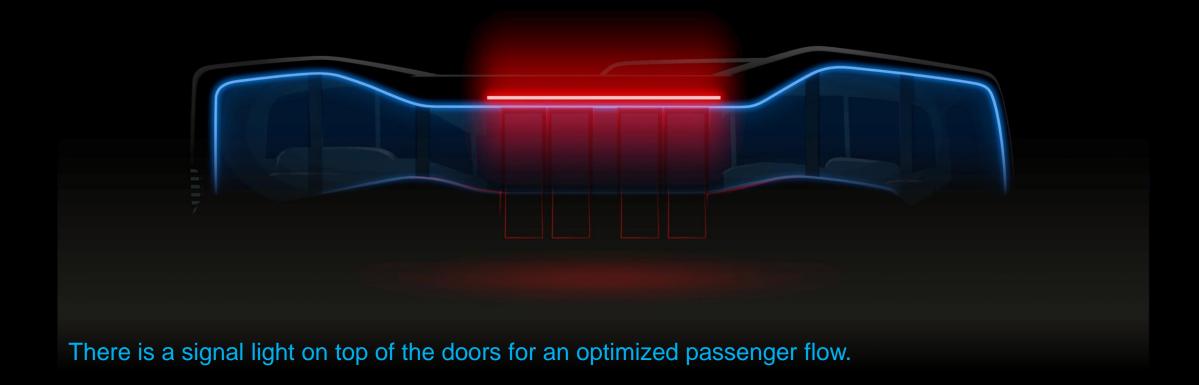




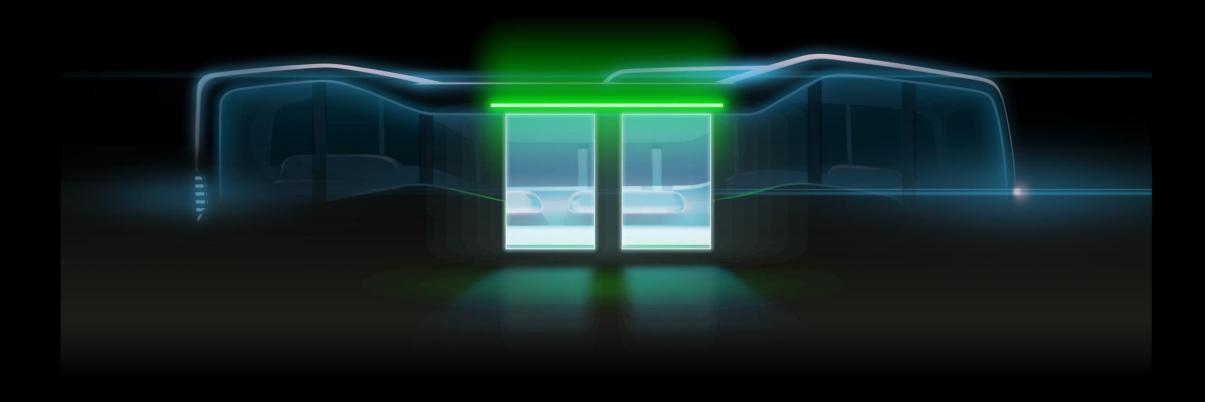


























¡Muchas gracias por su atención!

