Press release
August 2021

Hyperloop - A vision that promises a new kind of travel

- **The Hyperloop pod offers high speed city connections for up to 32 passengers**
- **Seating areas offer individual onboard infotainment on interactive and seamlessly surface-integrated displays for each passenger**
- **Boarding and deboarding time is highly optimized - leading to a minimum overall travel time**

MOJA Design has developed a Hyperloop concept that meets all of today‘s demands for fast, efficient and relaxed travel. In collaboration with the KIT (Karlsruhe Institute of Technology) working group mu-zero, MOJA designed a concept that provides fast boarding, a thought-out baggage management as well as a pleasant travel experience for future city connections.

The design study focuses on the Hyperloop pod, a vehicle that offers high speed city connections for up to 32 passengers who can choose between optimized economic seats in the OptimumArea and privacy focused seats with enhanced features in the ComfortArea.

The seating layout in the OptimumArea provides most comfortable seating dimensions which surpass most seat spacing of today’s long-haul flights. This was achieved while still meeting the requirement for a minimum vehicle diameter, which results from the boundary conditions for the diameter of the Hyperloop tube. The slim seat design offers wide legroom for all passengers.

The ComfortArea in the front part of the pod targets business travellers and passengers looking for the highest level of comfort during their travel. Passengers in the ComfortArea enjoy enhanced privacy in individual compartments and spacious seats with versatile reclining positions including leg rests. The compartments are equipped with fixed and folding table elements that allow working in an organized manner or simply placing your refreshment.

Both seating areas offer individual onboard infotainment on interactive and seamlessly surface-integrated displays for each passenger. These provide customised multimedia entertainment and real-time travel information, as well as the option to order refreshments from the autonomous cabin service. The luminous ceiling stretches through the whole cabin, creating different ambient moods and a pleasant feeling of space.
The restroom with its touchless door and facilities, combined with automated sanitation, exceeds current hygiene requirements and points out the interior concept as a feasible foundation for public transportation in the near future.

MOJA‘s Hyperloop concept provides the shortest possible waiting times for passengers. To achieve this, pods arrive and depart at the station in brief intervals. Stops are kept as short as possible: Passengers simply bring their luggage onto the platform and drop it into a luggage cart, which already stands by and autonomously moves into the pod’s storage bay as soon as it arrives. As passengers exiting and entering the pod don’t have to care about their cabin baggage, the boarding and deboarding time is highly optimized - leading to a minimum overall travel time.

The collaborative project between KIT‘s mu-zero team and MOJA‘s design team has resulted in a holistic transportation solution for the coming future. mu-zero’s elaborate levitation propulsion in combination with the vehicle interior design and platform concept take the Hyperloop to the next level.

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Passengers inside a Hyperloop pod

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Animation video showing the mu-zero Hyperloop

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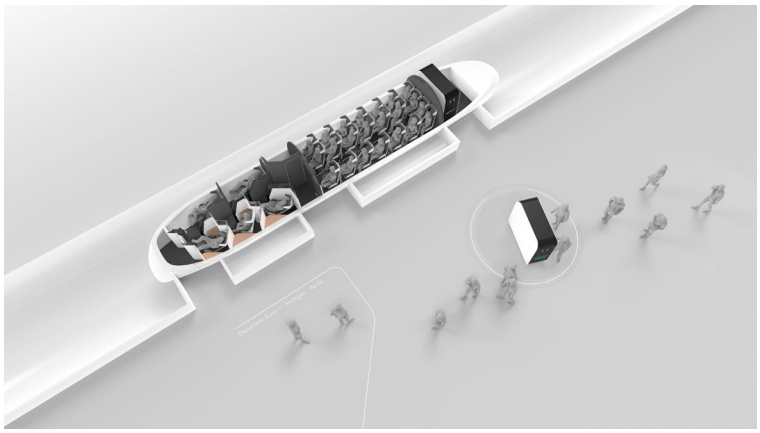

Fully occupied Hyperloop Pod in the station. Passengers loading the luggage robot and standing in the waiting area of the platform.

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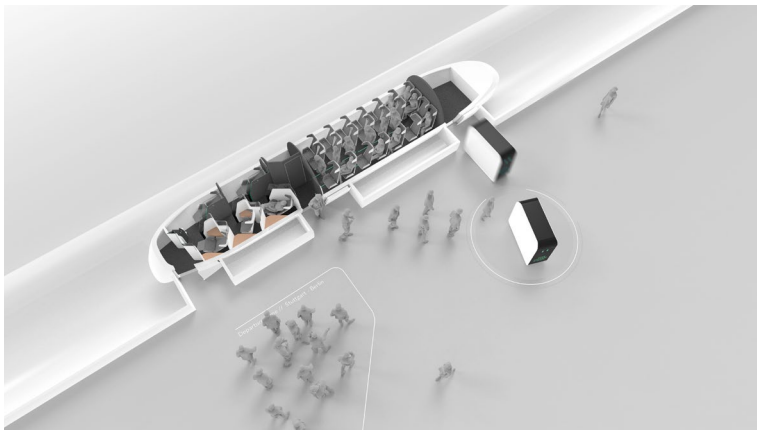
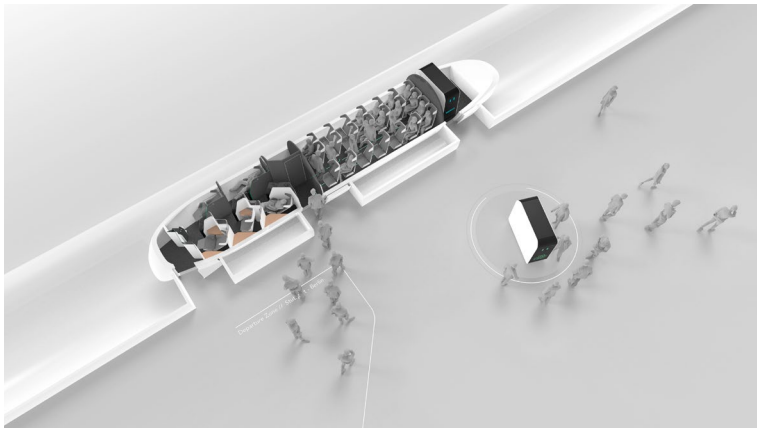
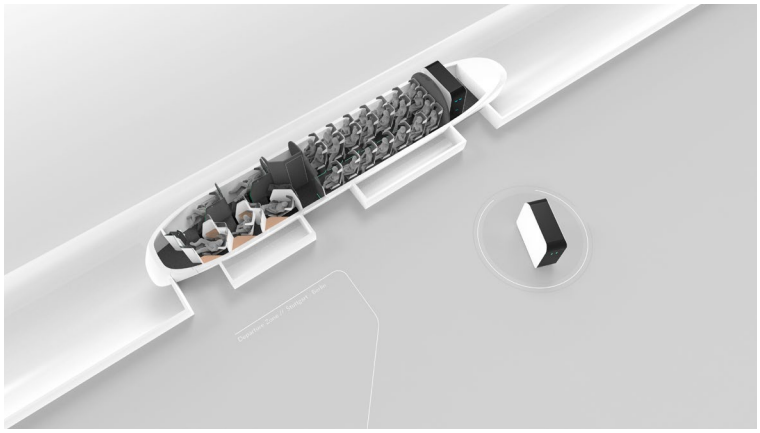


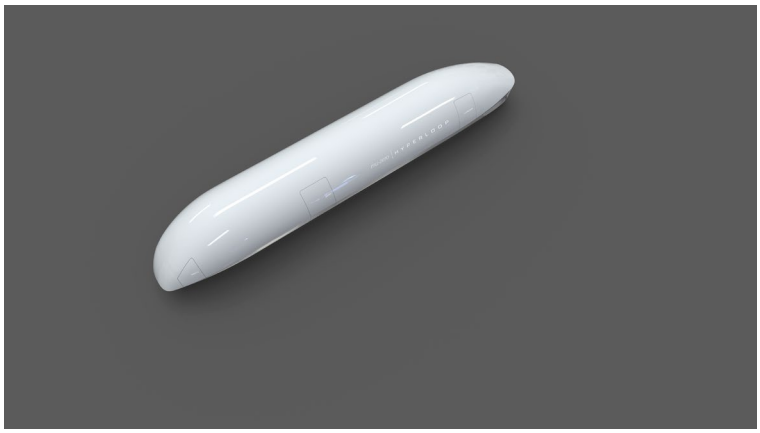
Passengers getting off the Hyperloop pod. Departing passengers in the waiting area of the platform.



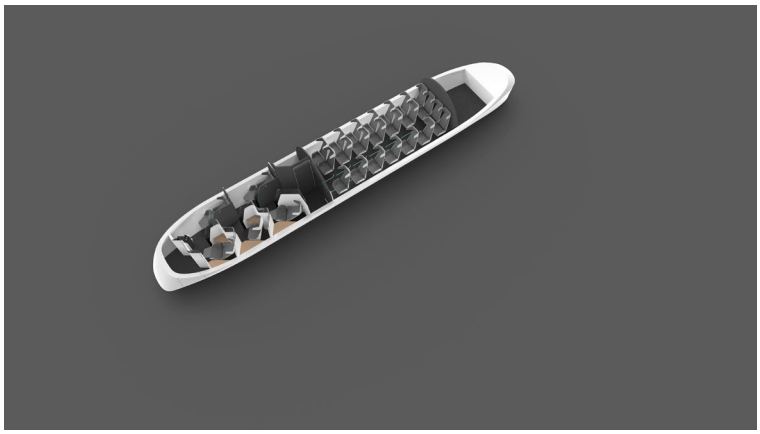
Boarding of the Hyperloop pod. Passengers who have just arrived unloading the baggage robot.



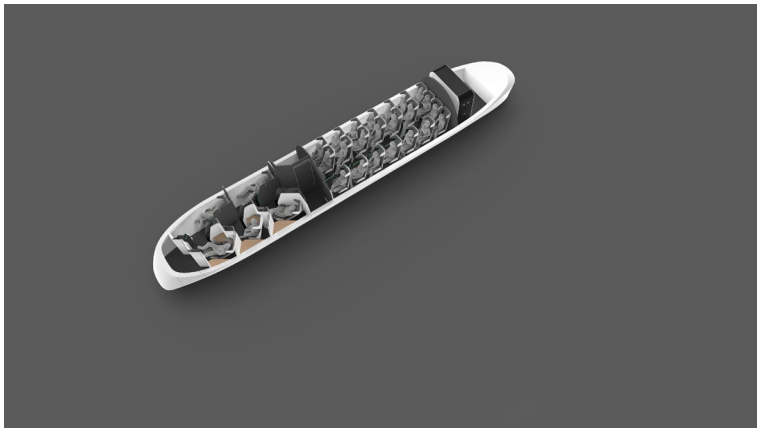
The Hyperloop pod in the station



Exterior of the Hyperloop pod designed by MOJA Design



Cross-section of the empty Hyperloop pod



Cross-section of the fully occupied Hyperloop pod

Albert Schuster, founder and CEO of MOJA Design

mu-zero HYPERLOOP e.V.

mu-zero HYPERLOOP e.V. is a non-profit association consisting of 60 students from different universities in Baden-Württemberg. Their interdisciplinary team works on the research and further development of the Hyperloop transportation technology.

MOJA Design GmbH

MOJA Design is an interdisciplinary design studio, located in Stuttgart and consists of highly experienced and qualified professionals. Product designers, communication designers and architects work hand in hand to form an unbeatable team with the highest standards of design, function and innovation.

Feel free to contact us for more information:

+49 711 219 505 79
kontakt@moja-design.de

MOJA Design GmbH
Römerstr. 32
70180 Stuttgart
Germany