HYPERLOOP

TRANSPORTATION TECHNOLOGIES

WWW.HYPERLOOP.GLOBAL

Bibop Gresta

Chairman & Co-founder

HYPERLOOP TRANSPORTATION TECHNOLOGIES

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TICKETLESS, FRICTIONLESS AND SUSTAINABLE:
O IMPACTO DAS INOVAÇÕES DISRUPTIVAS NA LOGISTICA BRASILEIRA

2 Weeks Delay


32% Wasted

What's Hyperloop?

Built on proven technologies

How it Works

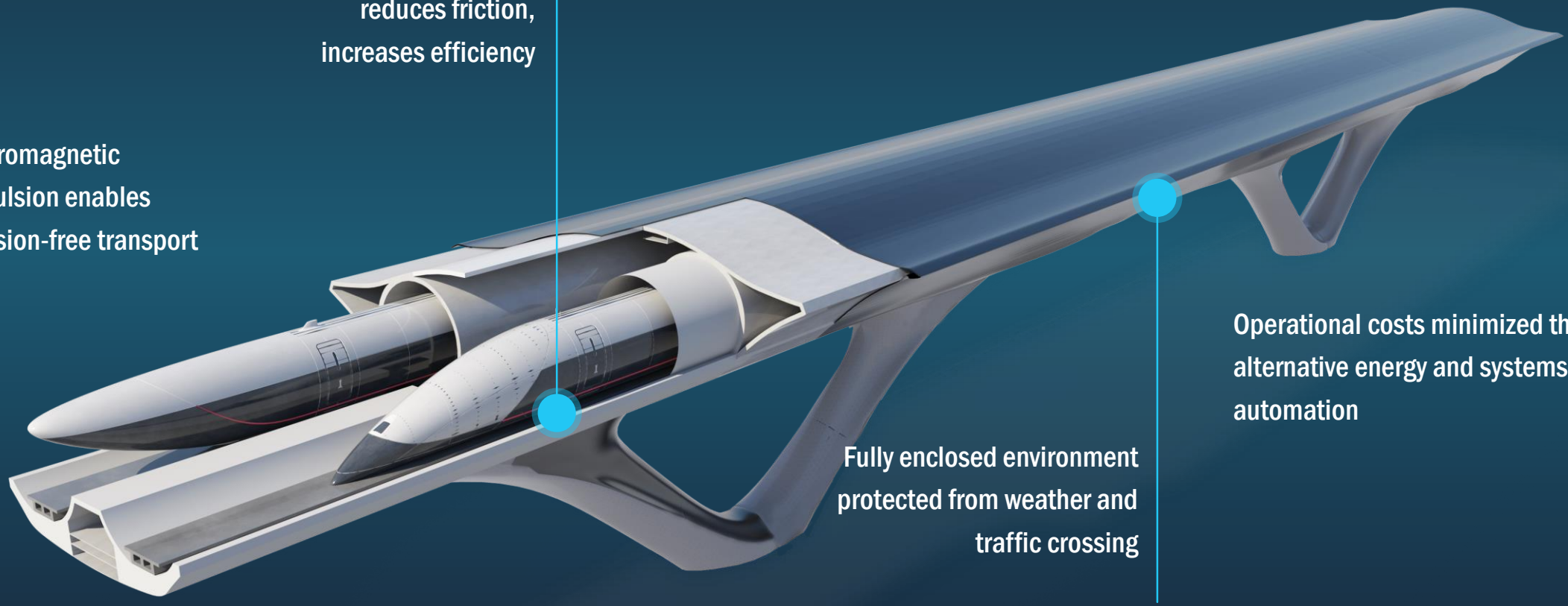
EFFICIENT

ENERGY POSITIVE

PROFITABLE

Levitated capsule reduces friction, increases efficiency

Electromagnetic propulsion enables emission-free transport



Fully enclosed environment protected from weather and traffic crossing

Operational costs minimized through alternative energy and systems automation

HYPERLOOP URBAN SECTION ELEVATION

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TRANSPORTATION TECHNOLOGIES

HYPERLOOP URBAN SECTION

HYPERLOOP URBAN WALKWAY

HYPERLOOP TYPICAL SECTION

HYPERLOOP

architects


1221
RECESSED
CROSSWALK
ON 6 AVE
BUSES
ONLY


HYPERLOOP

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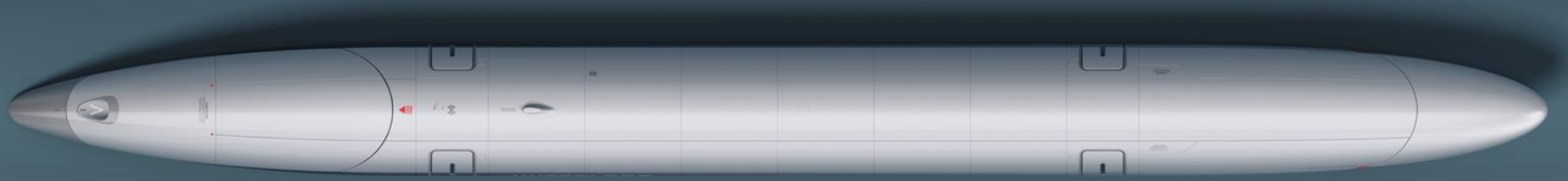
Hyperloop is redefining how you commute,
travel and connect

Capsule

30 M LENGTH | 20 TONS WEIGHT

2.7 M DIAMETER



PASSIVE MAGNETIC LEVITATION

ELECTROMAGNETIC PROPULSION

1,223

KM/H MAX / LEVITATION
AT 40 KM/H

28-40

PASSENGER
CAPACITY

160,000+

PASSENGERS
DAILY

4,000+

CARGO
SHIPMENTS DAILY

Design credit: PriestmanGoode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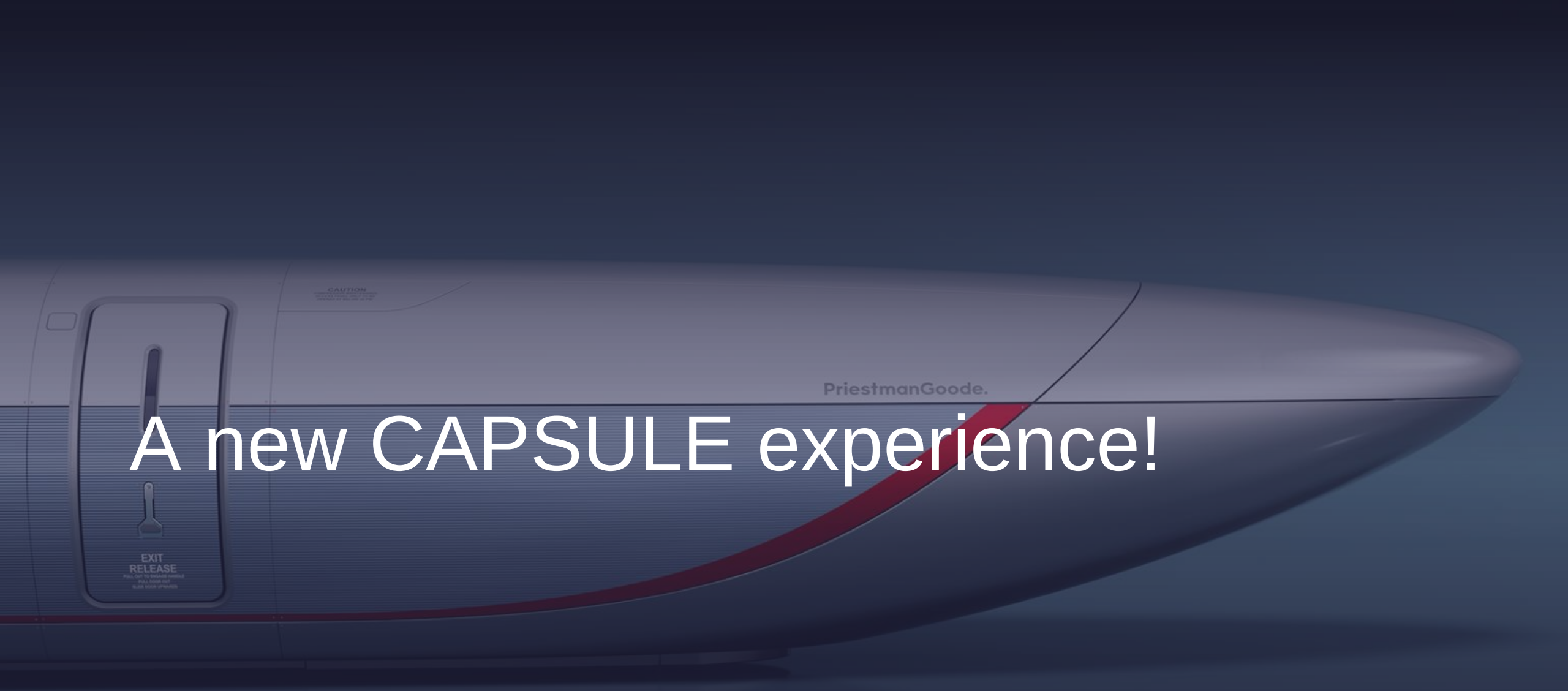
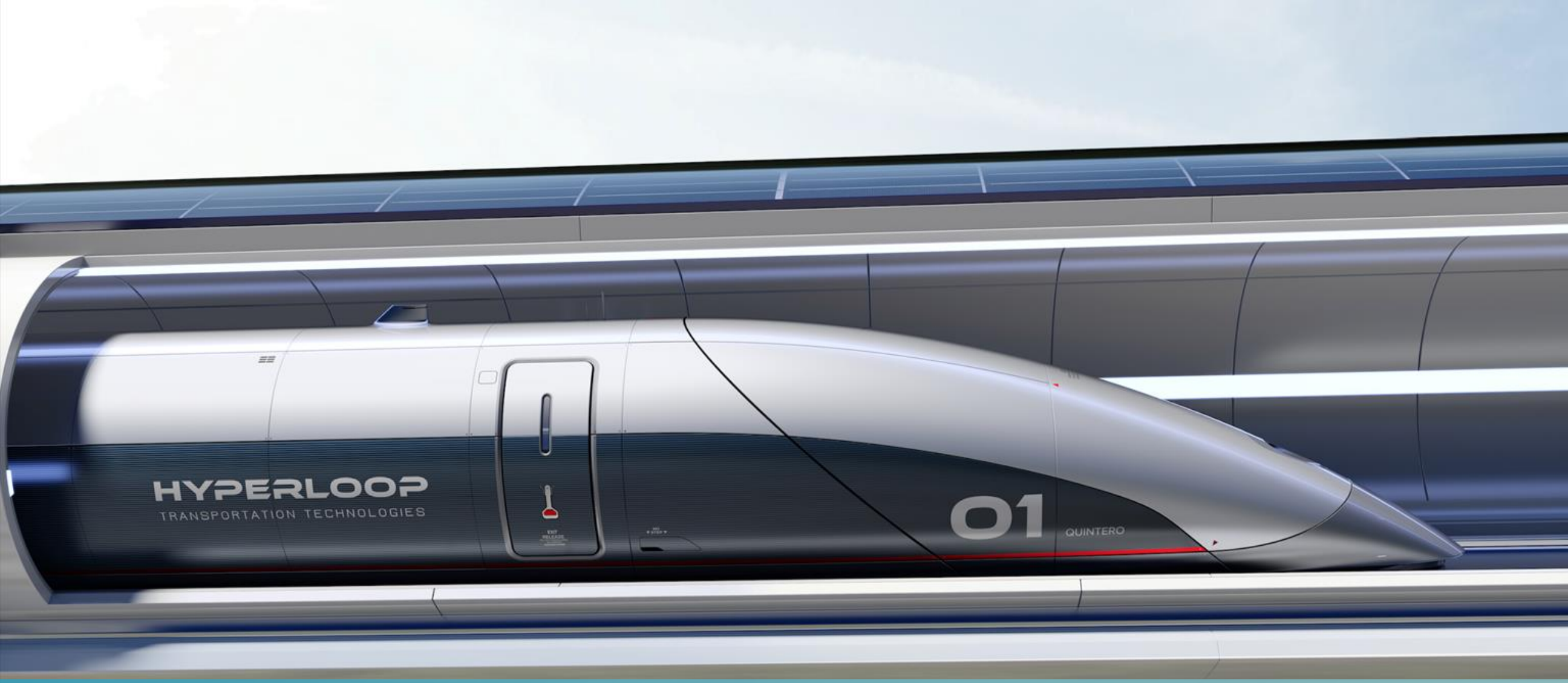
TRANSPORTATION TECHNOLOGIES
01
PriestmanGoode



A new CAPSULE experience!

TRAVELING

Safety | Comfort | Seamless | Connectivity



PASSENGER-CENTRIC Travel Platform

A. Class free
B. Design for fulfilled passenger
C. Multiple interior experience
D. Integration with passenger-centric technologies

Biometric ID

HyperloopTT PX

Augmented Window

HyperloopTT PX

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Personalized Space

HyperloopTT PX

Travel Assistant

HyperloopTT PX

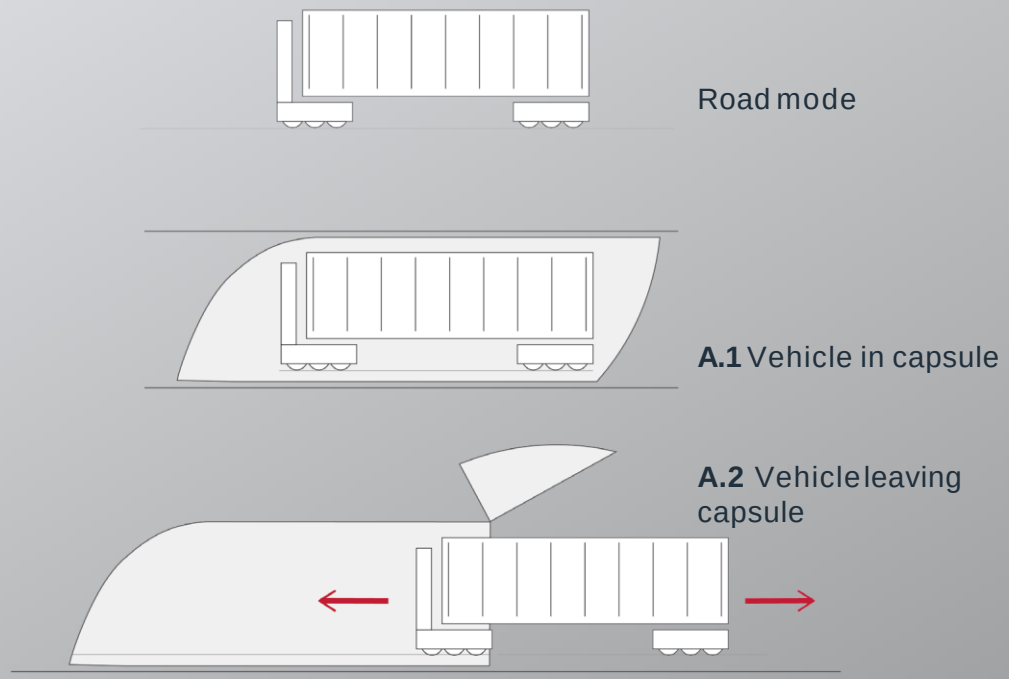

AUGMENTED
WINDOWS


HYPERLOOP
01
R&D Innovati

Vehicle typologies

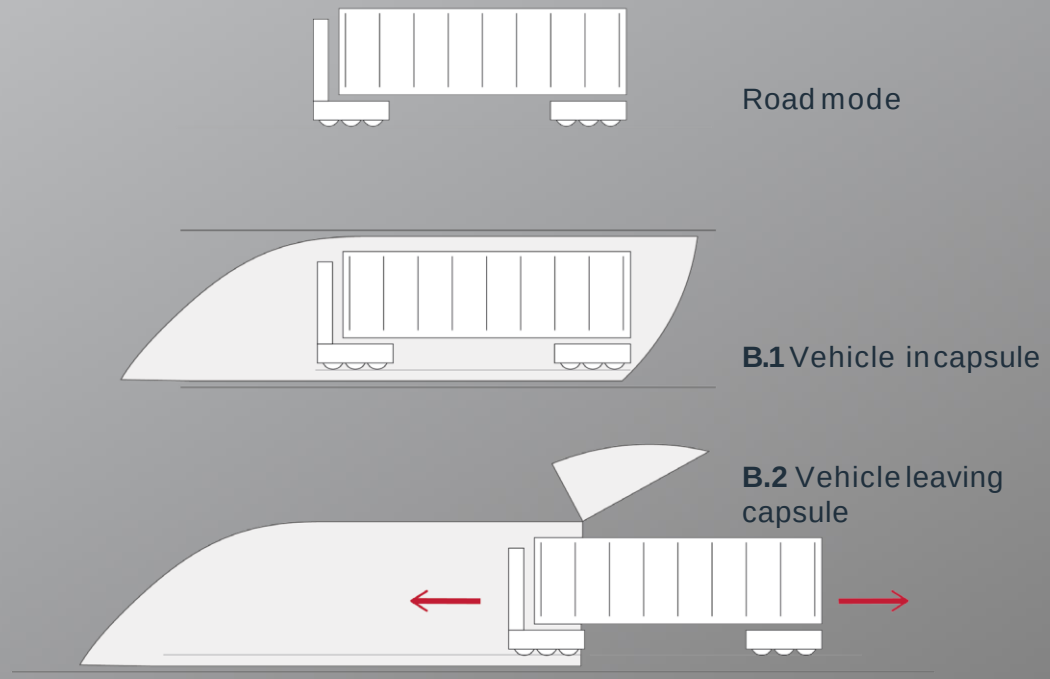
A. Vehicle in capsule inside a low-pressure tube

This typology makes use of a vehicle that utilizes a pressurized capsule to travel inside the low-pressure tube at subsonic speed.

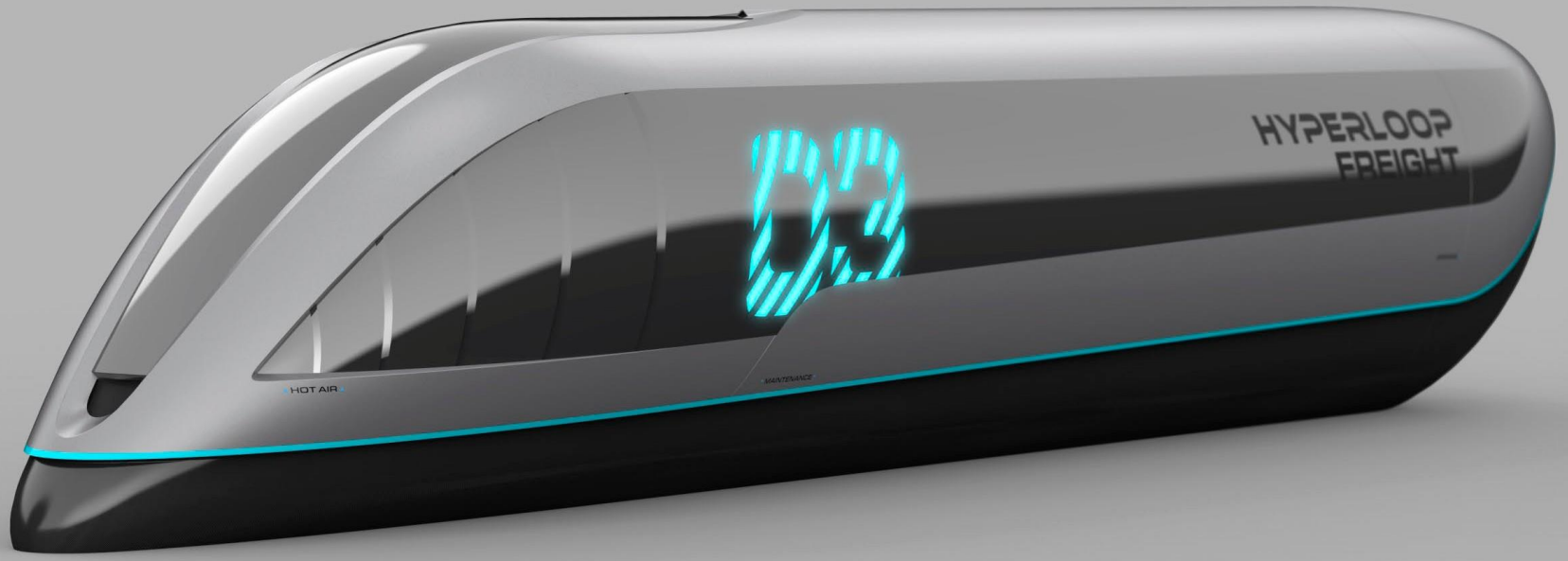


B. Vehicle in capsule inside a non-pressurized tube

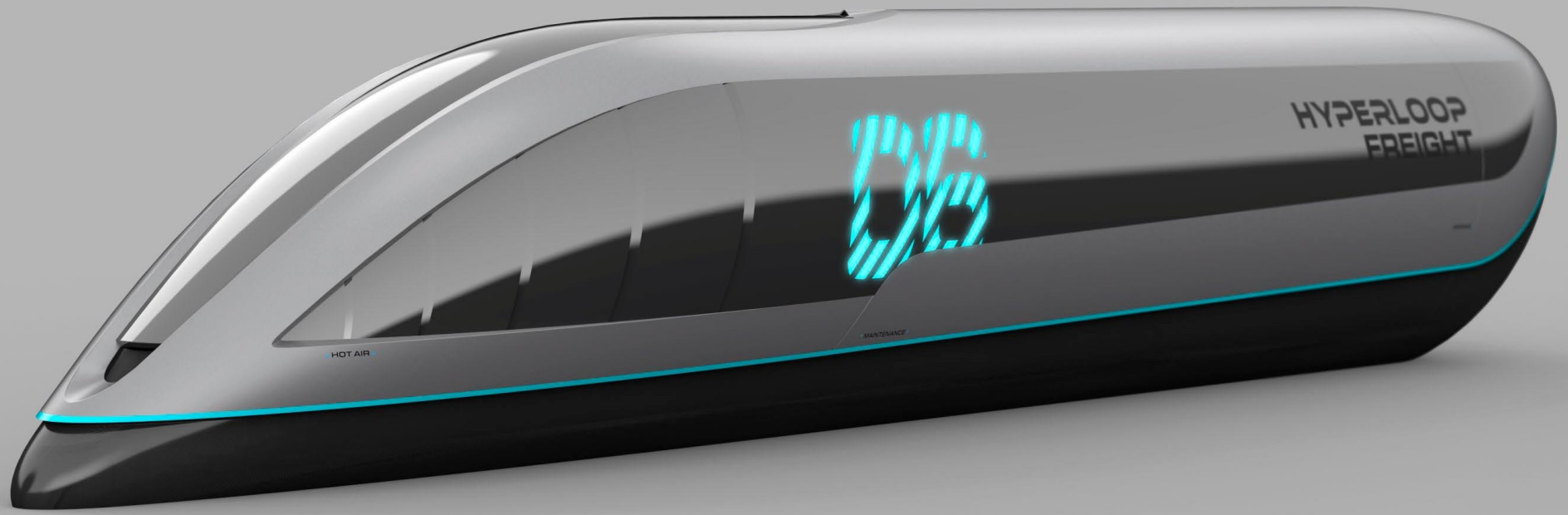
This typology makes use of a vehicle that utilizes an streamlined non-pressurized capsule to travel inside the tube at high-speed train velocity.



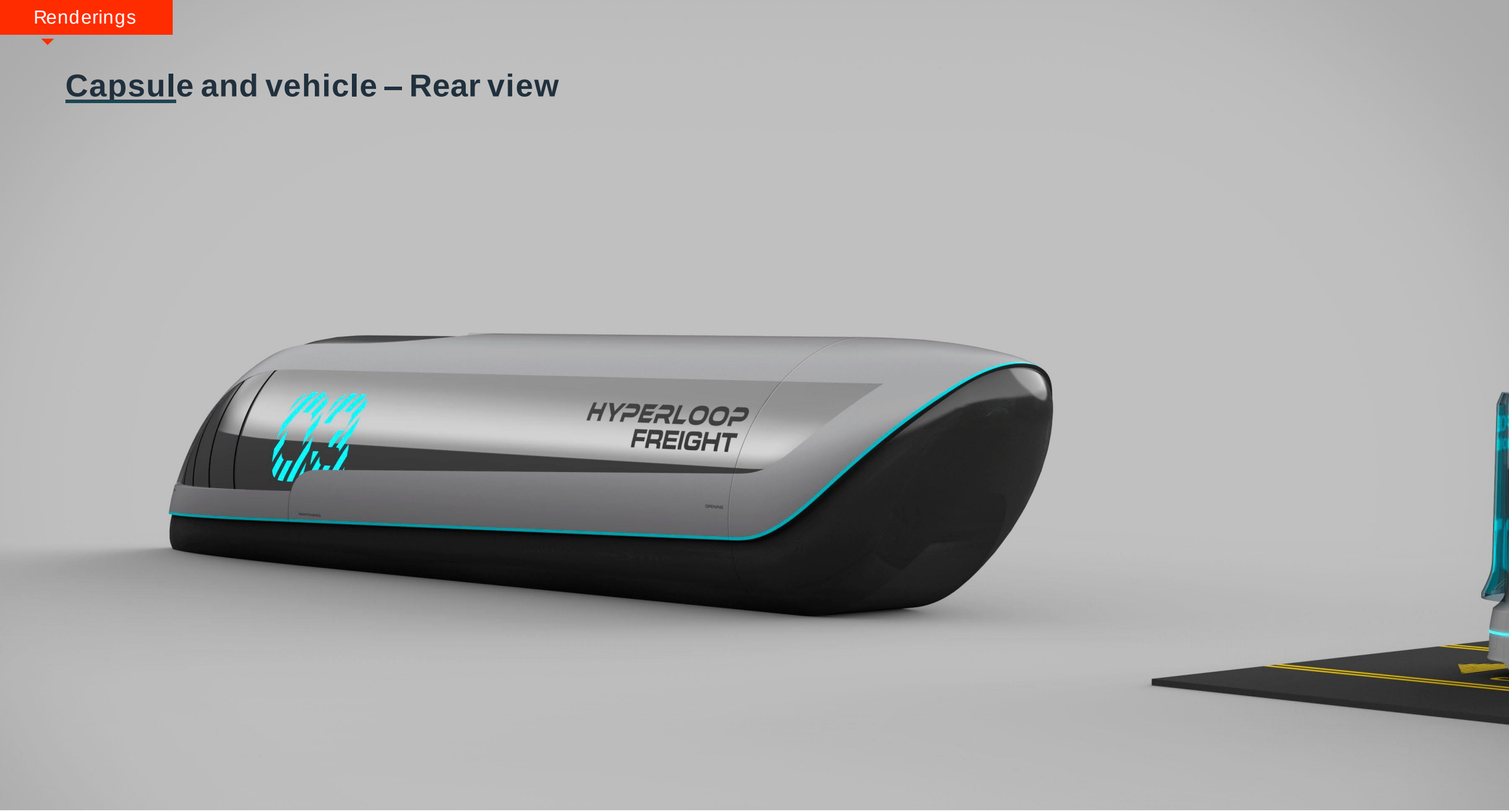
Pressurized Capsule – Front view



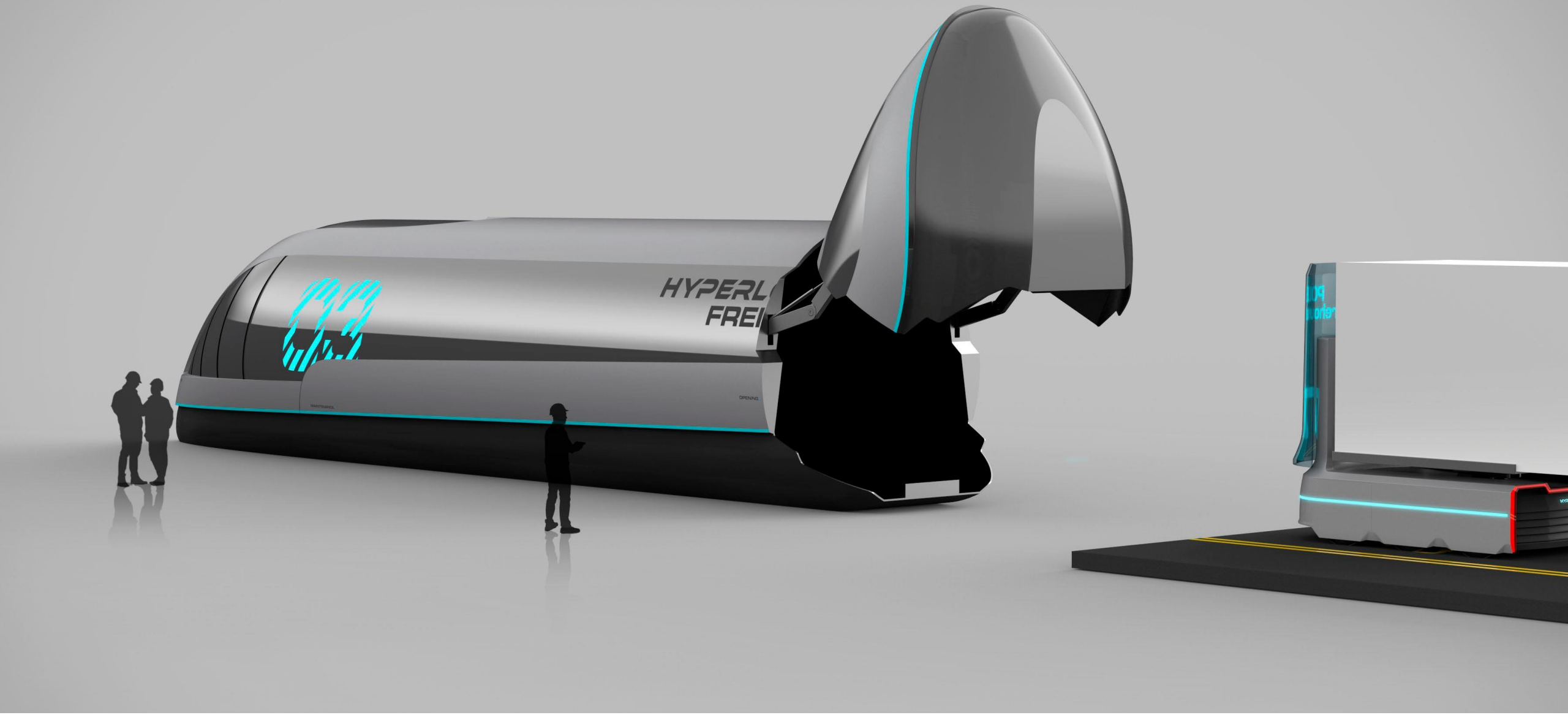
Non-pressurized Capsule – Front view



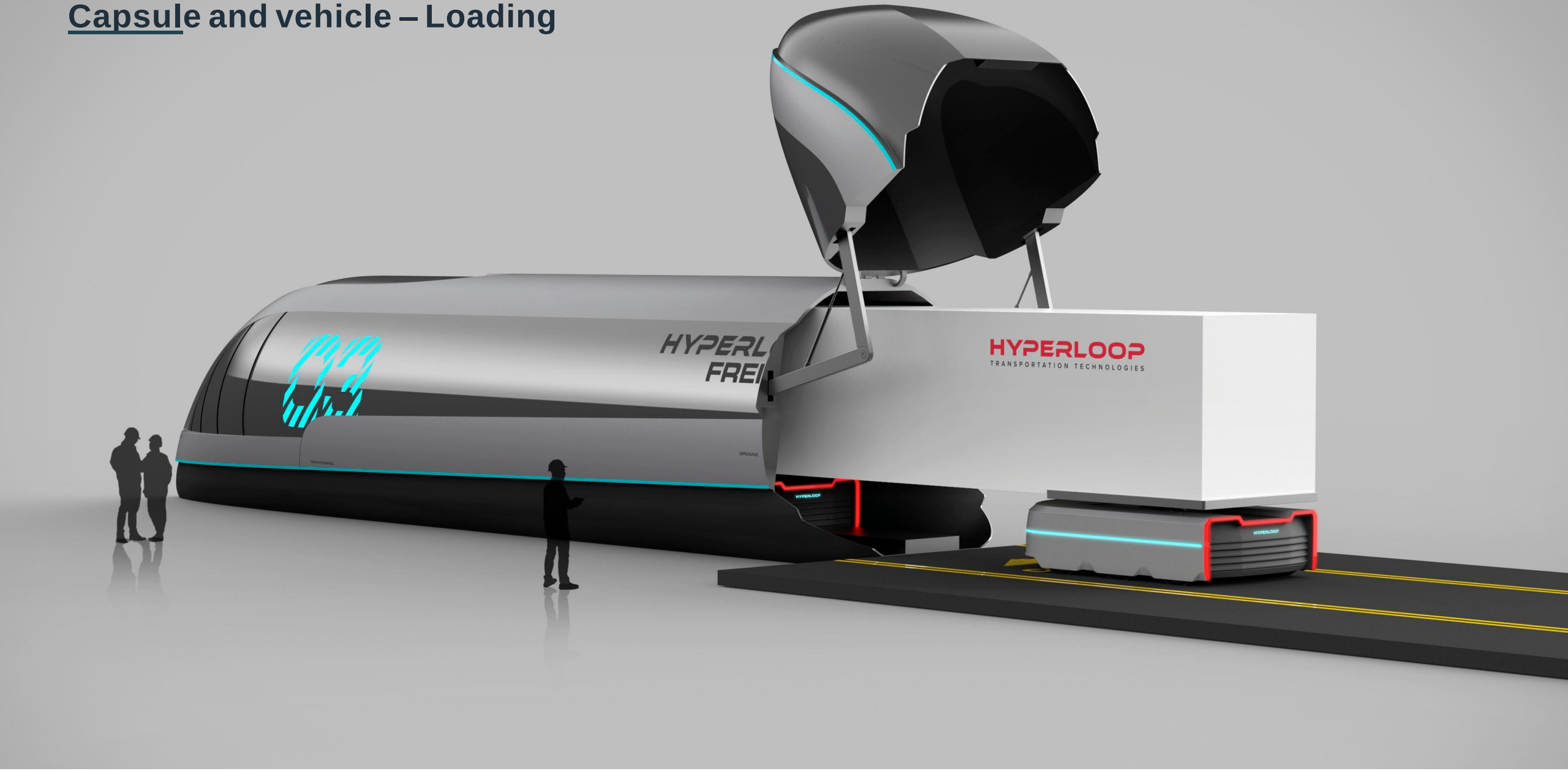
Capsule and vehicle – Rear view



Capsule and vehicle – Opening

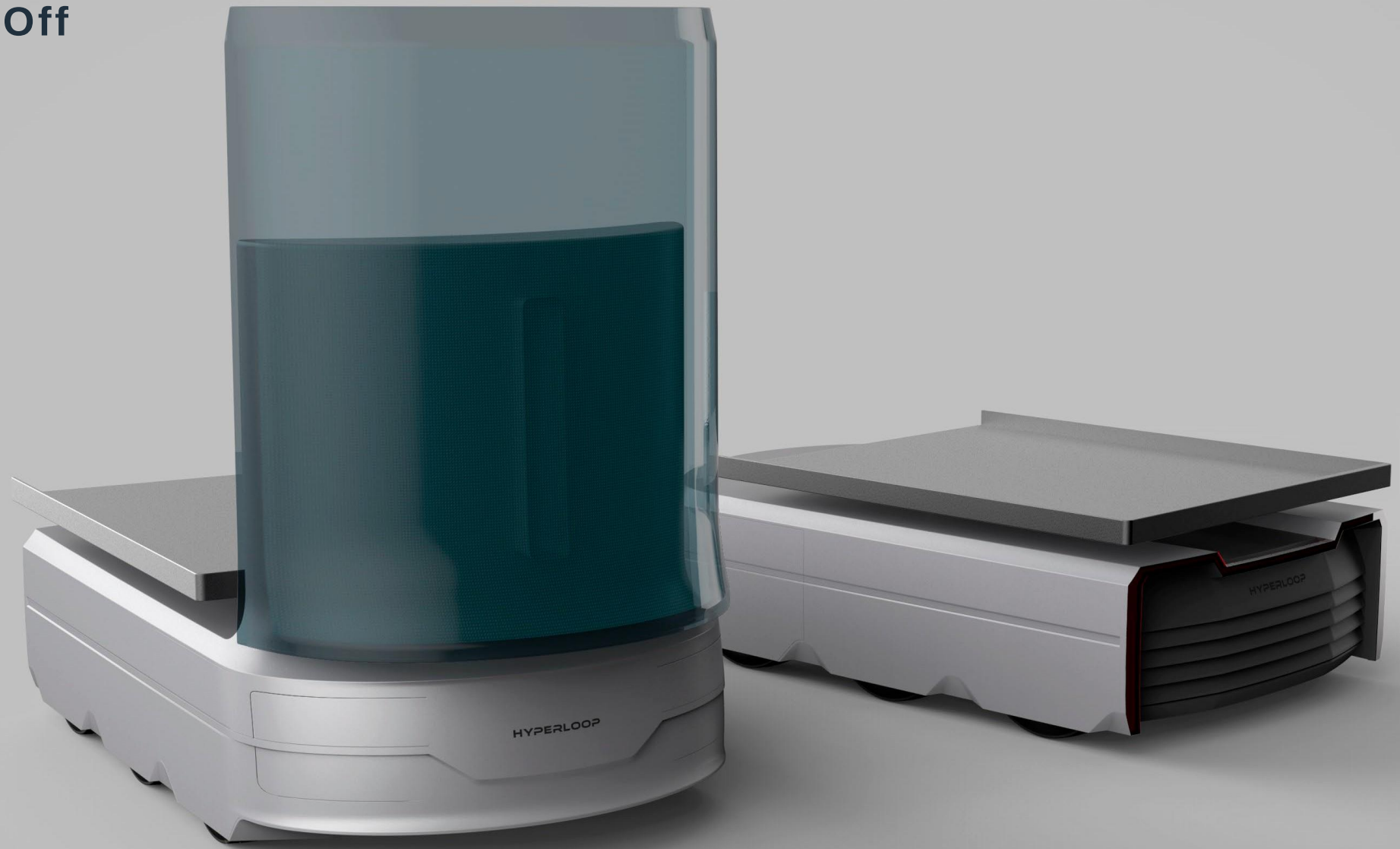


Capsule and vehicle – Loading



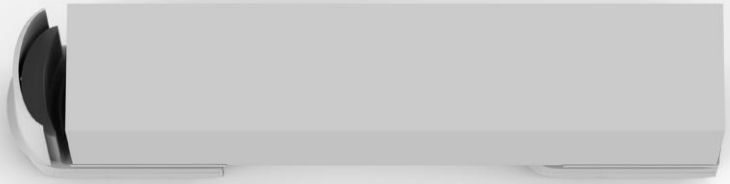
Capsule and vehicle – Rear detail

Vehicle –Off

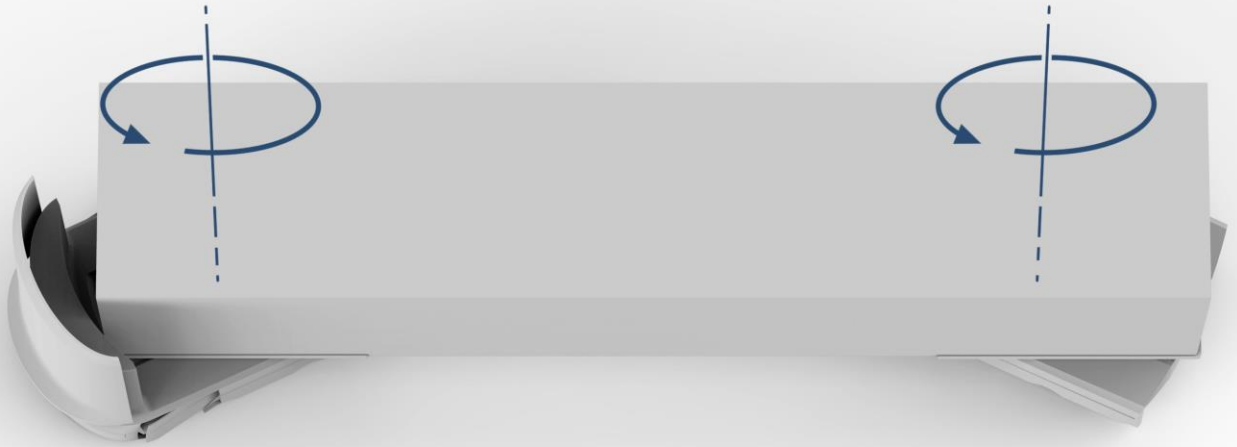


Vehicle –Turning

Running straight



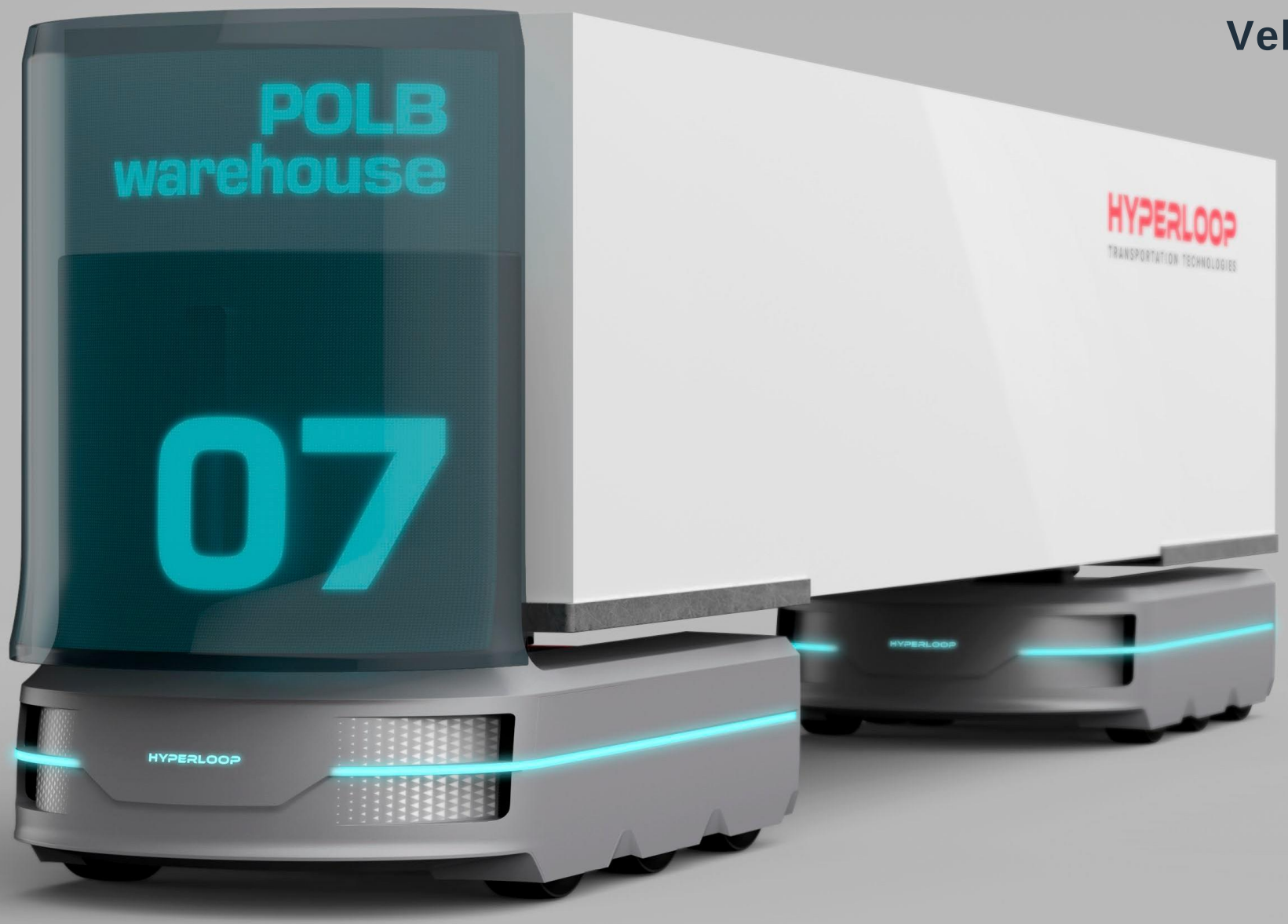
Turning



The load rest on two modules. These modules act as two pivot points when turning.

That makes the turning radius smaller than current trucks.

Vehicle – Front view

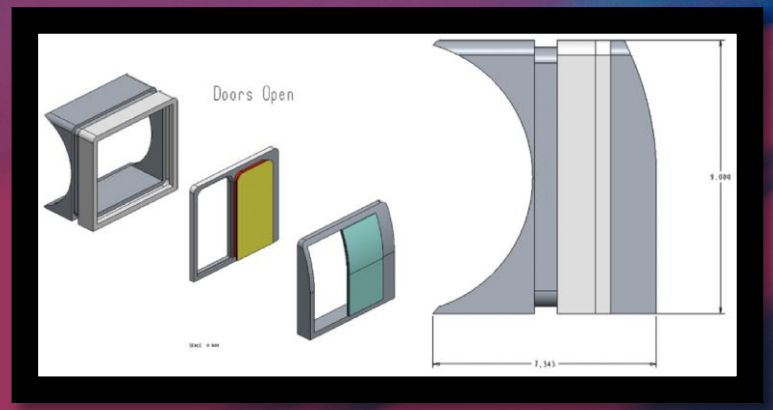


Vehicle – Rear view

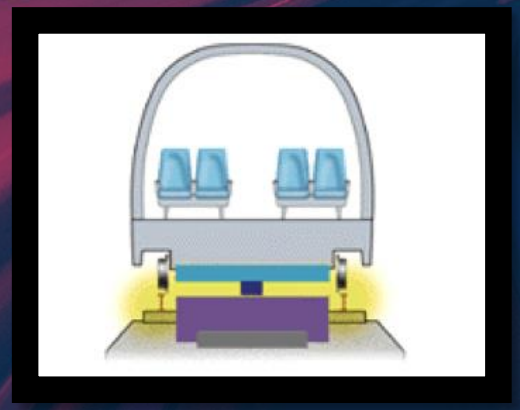
Vehicle – On the road

ESTRUTURA P&D BRASIL

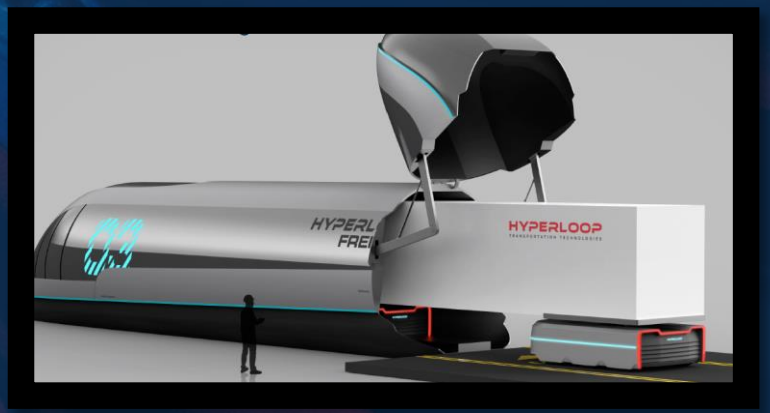
DOCKLOCK SYSTEM

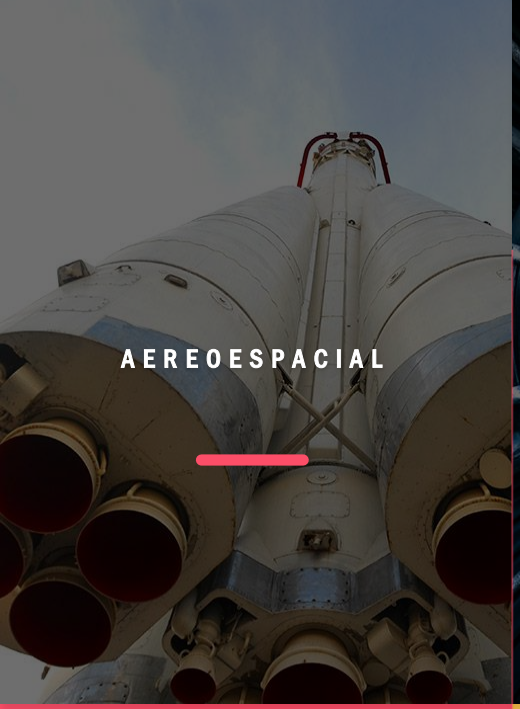


LEVITATION SYSTEM



CARGO CAPSULE




AEREOESPACIAL


AERONÁUTICA


MATERIAIS
AVANÇADOS

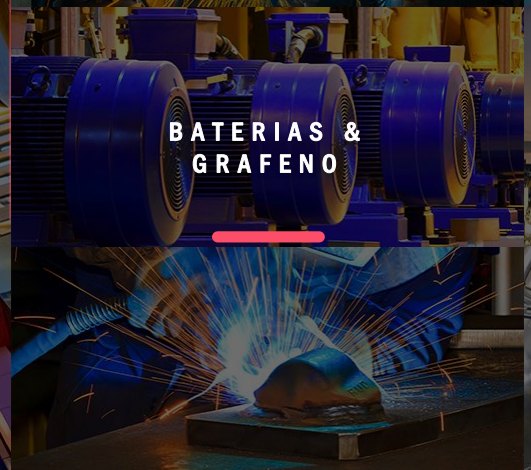

TECHNOLOGIAS
SUSTENTÁVEIS


IMPRESSÃO
3D
MASS PORTAL


MAGNÉTICOS


EXPERIÊNCIA DO USUÁRIO/
PASSAJEIRO


CONSTRUÇÃO
CIVIL


BATERIAS &
GRAFENO


FUTURE OF
PRODUCTION


SOLAR


REGENERATIVE
BRAKING


GEOTHERMAL


WIND

HyperloopTT is energy net-positive

Solar Panels

Regenerative Braking

Total energy generated per year

856,230,000 kwh*

Acceleration

Capsule Systems

Vacuum

Total energy consumed per year

743,185,000 kwh*

Energy coverage

115%

* Energy measurement based on route between Toronto and Ottawa (Canada)

How we're building

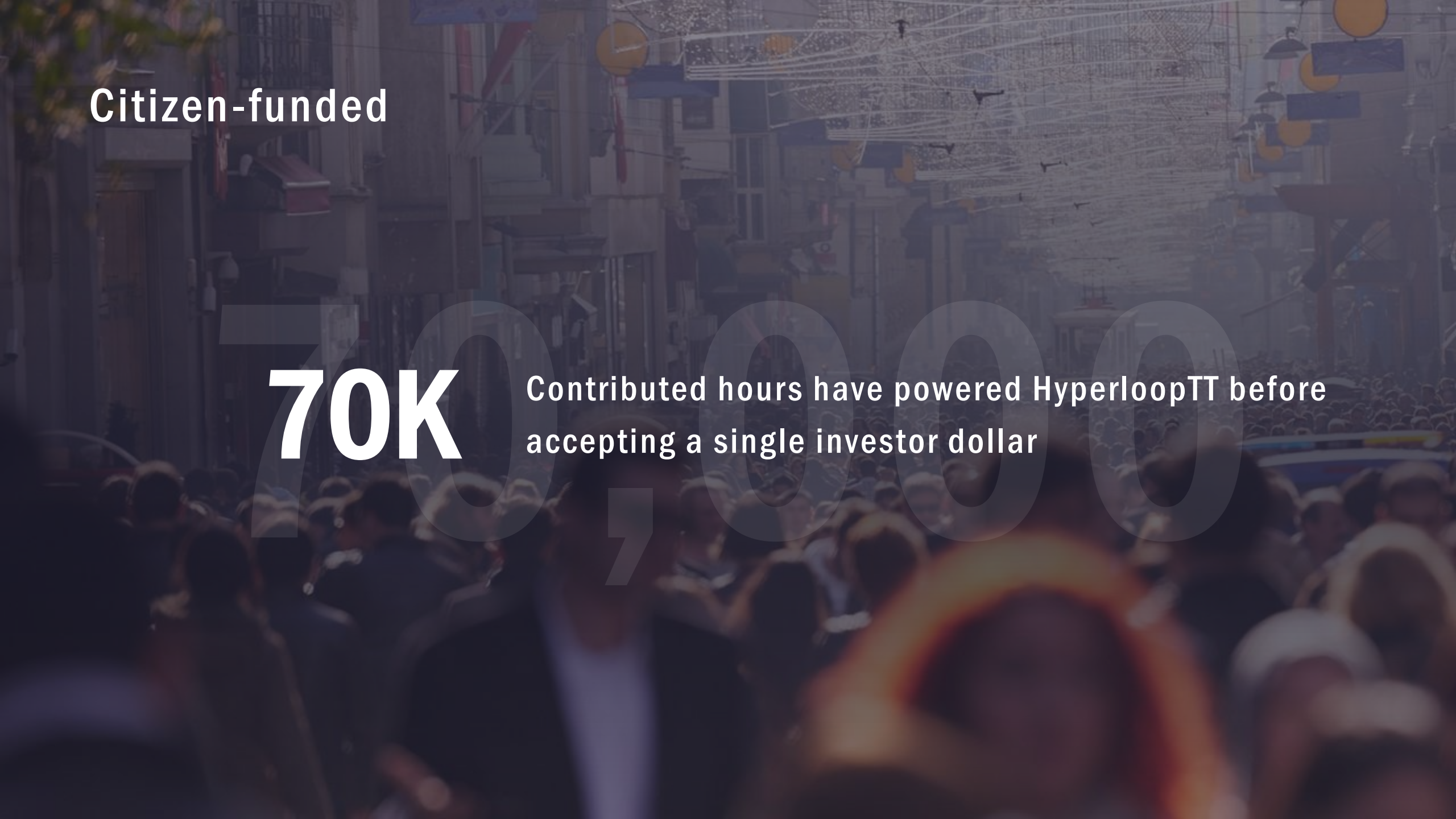
Hyperloop

Crowd-powered ecosystem

OFFICES

COLLABORATORS CITY

800+ PROFESSIONALS
FROM 40+ COUNTRIES



Citizen-funded

70K Contributed hours have powered HyperloopTT before accepting a single investor dollar

Strategic Partnerships

- Expertise within core team
- Decades of development
- Low burn rates
- Minimal barriers to entry
- New market opportunities

His Highness Sheikh

Falah Bin Zayed Al Nahyan

announces strategic partnership agreement with

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TRANSPORTATION TECHNOLOGIES

(Abu Dhabi, January 22, 2017)

HyperloopTT has signed

A SPACE ACT AGREEMENT

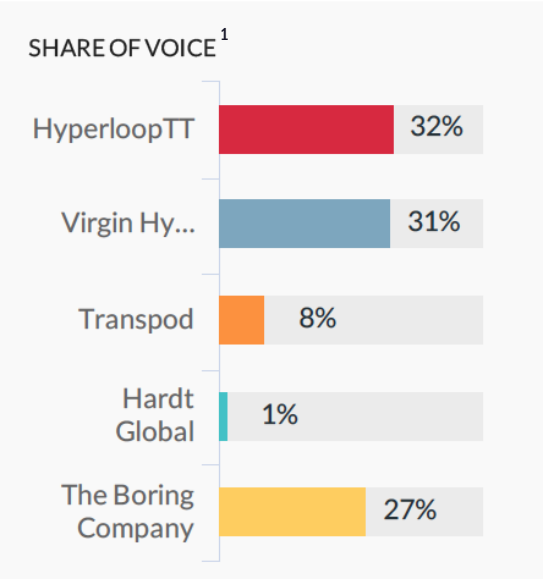
YVONE CAGLE
NASA Astronaut
HyperloopTT Ambassador

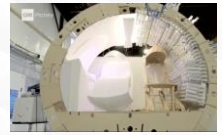
SHAWNA PADYA
CSA Astronaut


ACADEMY

Media Exposure

$ 7 Billion
Hyperloop™ Brand Value
Advertising Value Equivalency (AVE)





[1] Meltwater | Share of Voice by Volume - Jan 1, 2018 - Nov 1, 2018

World's first crowd-powered company

Crowd-powering is a new form of business collaboration, leveraging the crowd to solve problems, enhance productivity, and create value.

Harvard Business School conducted a case study on how HyperloopTT defines and uses its crowd-powered ecosystem to disrupt the transportation industry.

HARVARD | BUSINESS | SCHOOL

N9-817-134

MAY 8, 2017

LYNDA M. APPLEGATE
TERRI L. GRIFFITH
ANN MAJCHRZAK

Hyperloop Transportation Technologies: Building Breakthrough Innovations in Crowd-Powered Ecosystems

I believe that entrepreneurs can change the world. Elon Musk and Jeff Bezos are trying to change the world but they have billions of dollars. What if you have a passion to change the world but don't have access to that kind of personal wealth? We believe that we are not only transforming the nature of transportation, we are also defining the future of work in the 21st century.

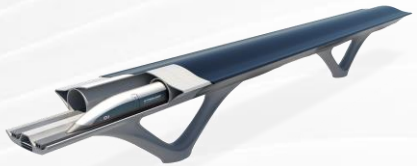
– Dirk Ahlborn[1]


WORLD
ECONOMIC
FORUM
WORLD
ECONOMIC
FORUM

Hyperloop is

happening now

Construction Milestones | HyperloopTT System



Vibranium™ capsule

- Dual-layer smart sensorized composite material
- Monitor structural integrity

Vacuum by Leybold

- Joint development of HyperloopTT vacuum system with Leybold
- Detailed design and fabrication of HyperloopTT vacuum unit

Full-scale test track

- Full-scale tube test track in Toulouse R&D Center
- Continued R&D on tube materials: Steel/concrete/carbon fiber

Inductrack™ by LLNL

- Passive magnetic levitation
- Exclusive license from Lawrence Livermore National Laboratory

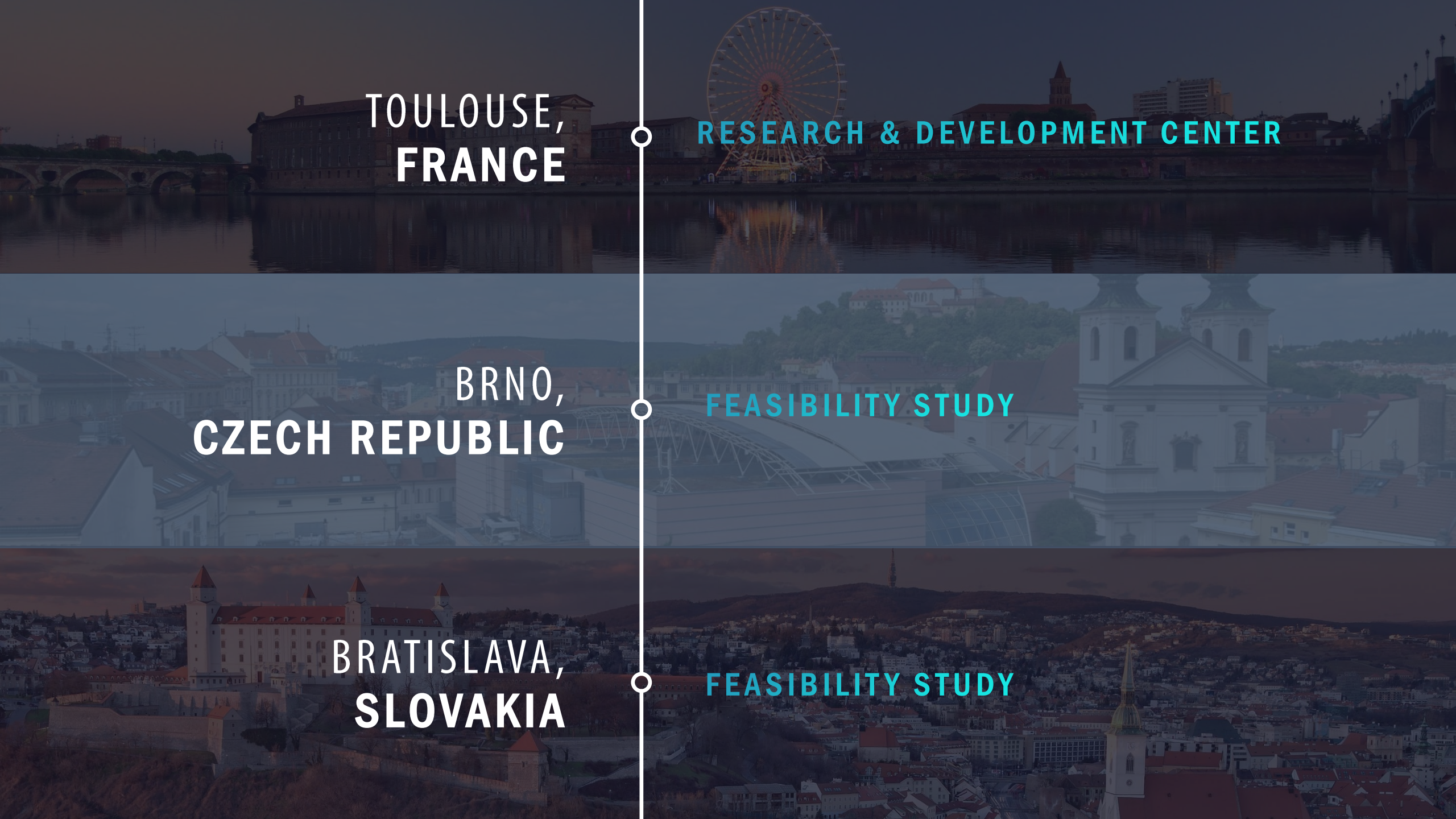
Reinsurance by Munich RE

- Munich RE deemed HyperloopTT technology feasible and insurable
- First insurance framework for HyperloopTT commercial systems

Certification by TÜV SÜD

- First set of Hyperloop Core Safety Requirements and Certification Guidelines have been produced


LOS ANGELES,
UNITED STATES
RESEARCH & DEVELOPMENT CENTER
GREAT LAKES,
UNITED STATES
P3 AGREEMENT
MINAS GERAIS,
BRAZIL
RESEARCH & DEVELOPMENT CENTER


TOULOUSE,
FRANCE
RESEARCH & DEVELOPMENT CENTER
BRNO,
CZECH REPUBLIC
FEASIBILITY STUDY
BRATISLAVA,
SLOVAKIA
FEASIBILITY STUDY

KIEV,
UKRAINE

COMMERCIAL LINE

ABU DHABI,
UAE

FIRST COMMERICAL AGREEMENT

FEASIBILITY STUDY

ROYAL SUPPORT

ANDHRA PRADESH,
INDIA

FEASIBILITY STUDY


JAKARTA,
INDONESIA
FEASIBILITY STUDY
TONGREN (GUAZHU),
CHINA
COMMERCIAL LINE
SEOUL,
SOUTH KOREA
R&D COLLABORATION

XO SQUARE TOULOUSE (France)

XO Square Toulouse (France)

R&D center in Toulouse

300 m + 1 km full-scale prototype


SAAVEDRA
SAAVEDRA
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#HyperloopTT


O próximo trecho de sua viagem não precisa de asas!
HYPERLOOP
Mudando o futuro dos transportes no presente!
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Will history

know your name?

Join the team!

hyperloop.global/join

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Coming soon!

Coming soon!

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