



**FORUM**

**Think Tank Basilicata**

*Energie per un futuro sostenibile*

4 dicembre 2020

**PRESENTAZIONE DI BIBOP GRESTA**



A dark, monochromatic topographic map of Europe serves as the background. The map shows the outlines of the continents and major mountain ranges, with a color palette ranging from dark grey to black. The text is overlaid on the left side of the map.

**HYPERLOOP**  
ITALIA

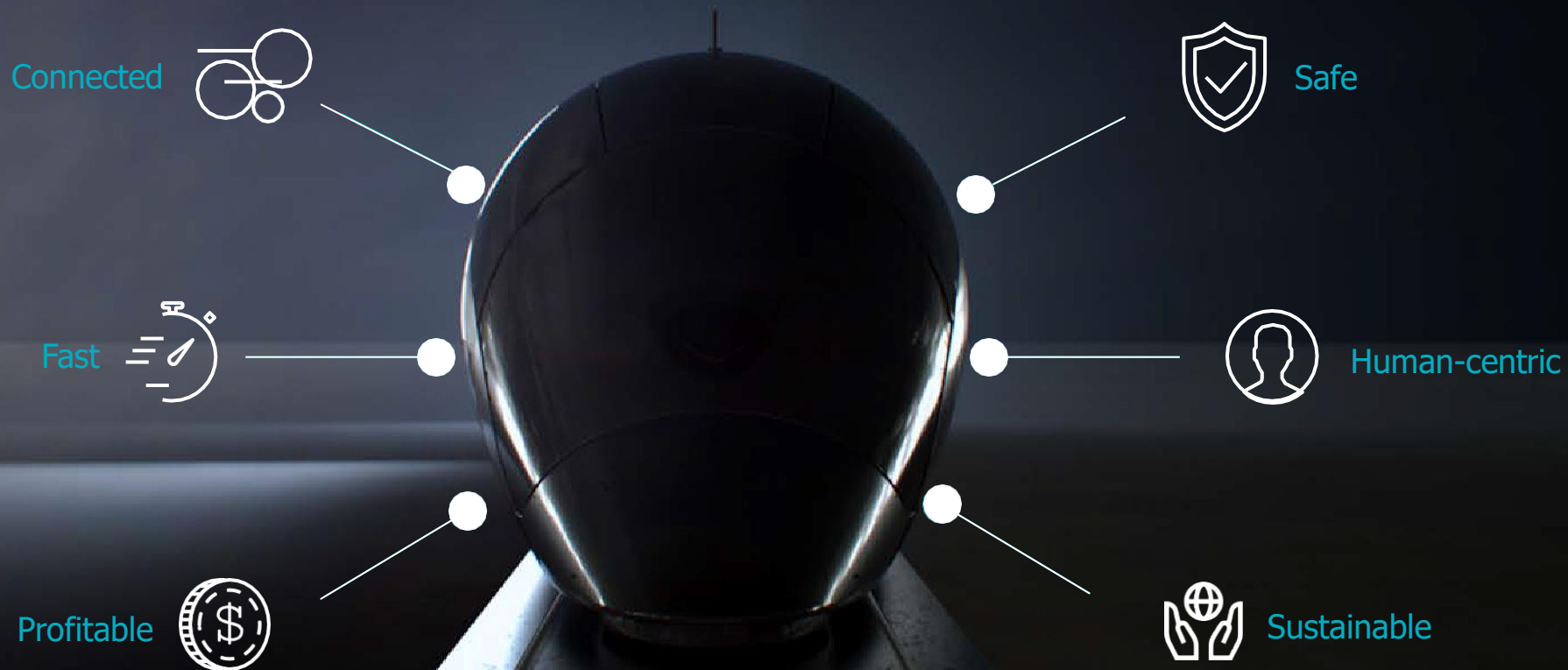
The European House - Ambrosetti  
Italy - December 2020

A sleek, aerodynamic Hyperloop pod is shown from a low angle, positioned on a track that recedes into the distance. The pod is dark and highly reflective, with a small antenna on top. The background is a dark, gradient sky. The overall mood is futuristic and high-tech.

Why do we need the  
**5th mode of transport?**

# The Solution

## A new form of transportation





# Speed

## Break the limit of continental distance

Distances greater than ~600km  
are more efficiently travelled by air

### High Speed rail

Maximum ~600km

### Hyperloop

3,000km  
between city pairs

## Urban landscape redefined

Suburbs will become part of Cities

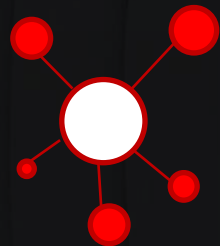
### Cities

50km area

### Megacities

500km area

Cities  
will be connected  
to become Megacities





# Transcontinental Network for Passengers and Hyperloop Prime Now service

Big cities can be fed with final orders from one single location, providing inventory and labour costs reduction all through the chain, and allowing **Prime Now services** on a continental basis.

Hyperloop outbound terminal to be fully integrated with the ecommerce fulfillment centers.





# Why now?



10 JUNE 2020

## THE EUROPEAN PARLIAMENT

European tourism and transport recovery plans following the COVID-19 outbreak should also be focused on innovative growth opportunities, such as **hyperloop connections**.





Add Values,  
inspire trust.

Generic guideline  
for design, operation  
and certification

HYPERLOOP APPLICATION

- Risk Management
- System Safety Requirements
- Design Principles for Safety-related Parts
- Load Assumptions
- Acceleration Table for all Modes of Operation
- Independent Safety Assessment





# Hyperloop Italia is the exclusive licensor of all the licenses and expertise of HyperloopTT



## 41 Patents and 56 Trademarks

Technology patents  
Hyperloop™ word mark registered internationally



## Passive magnetic levitation

Exclusive license for Inductrack™ from Lawrence Livermore National Laboratory



## Global agreements

Slovakia, UAE, Czech Republic, France, Germany, Indonesia, Korea, India, United States, Ukraine, China



## Harvard Business School case study

Case Study on HyperloopTT crowd-powered ecosystem as a new form of business collaboration



## 800+ Experts

Individuals organized in 50+ teams across 40+ countries through a crowd ecosystem structure



## 50+ Corporate partners

Leveraging decades of experience with best-in-class companies who are part of the HyperloopTT core team



## HyperloopTT Labs

Cybersecurity, Data, Automation, Passenger Experience, IoT, Mobility as a Service, Augmented Workforce tools



## Insurance framework

Munich Re has presented the first insurance framework for HyperloopTT commercial systems



## Regulatory framework

TÜV SÜD has produced the first complete set of generic guidelines for design, operation, and certification

# Studied by Harvard

Harvard Business School Case study

New form of business collaboration

Crowd-powered ecosystem

Leverage the crowd

- Solve problems
- Enhance productivity
- Create value

Transportation industry disruption



H A R V A R D | B U S I N E S S | S C H O O L

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MAY 8, 2017

LYNDA M. APPEGATE

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 21<sup>st</sup> century.*

— Dirk Ahlborn<sup>1</sup>

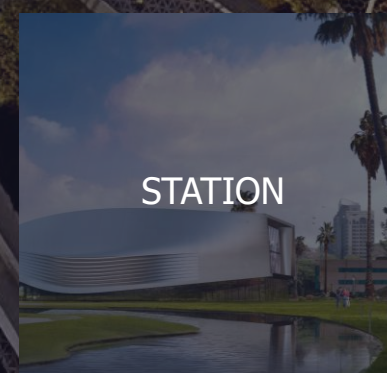
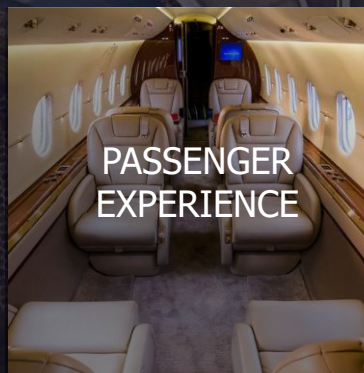
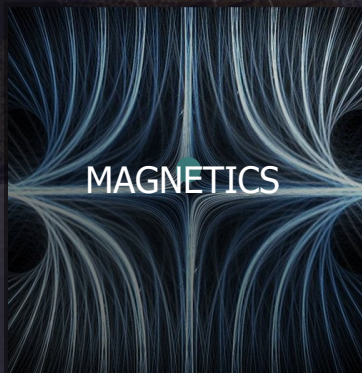
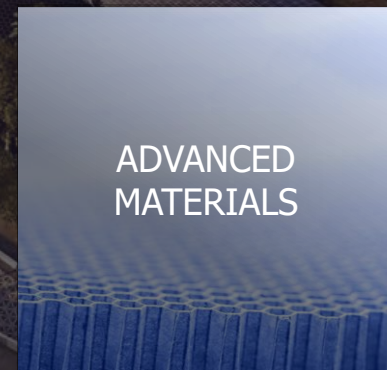
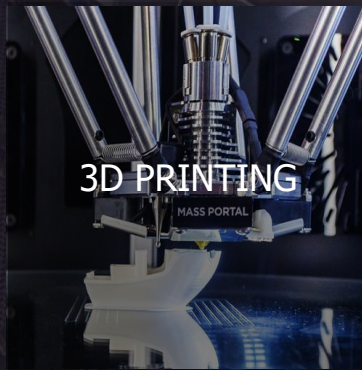
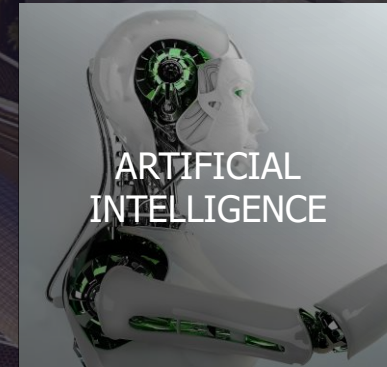


## R&D – Key themes





# R&D – Key themes







# Will History Know Your Name?

**Join the movement!**

[www.hyperloopitalia.com](http://www.hyperloopitalia.com)