





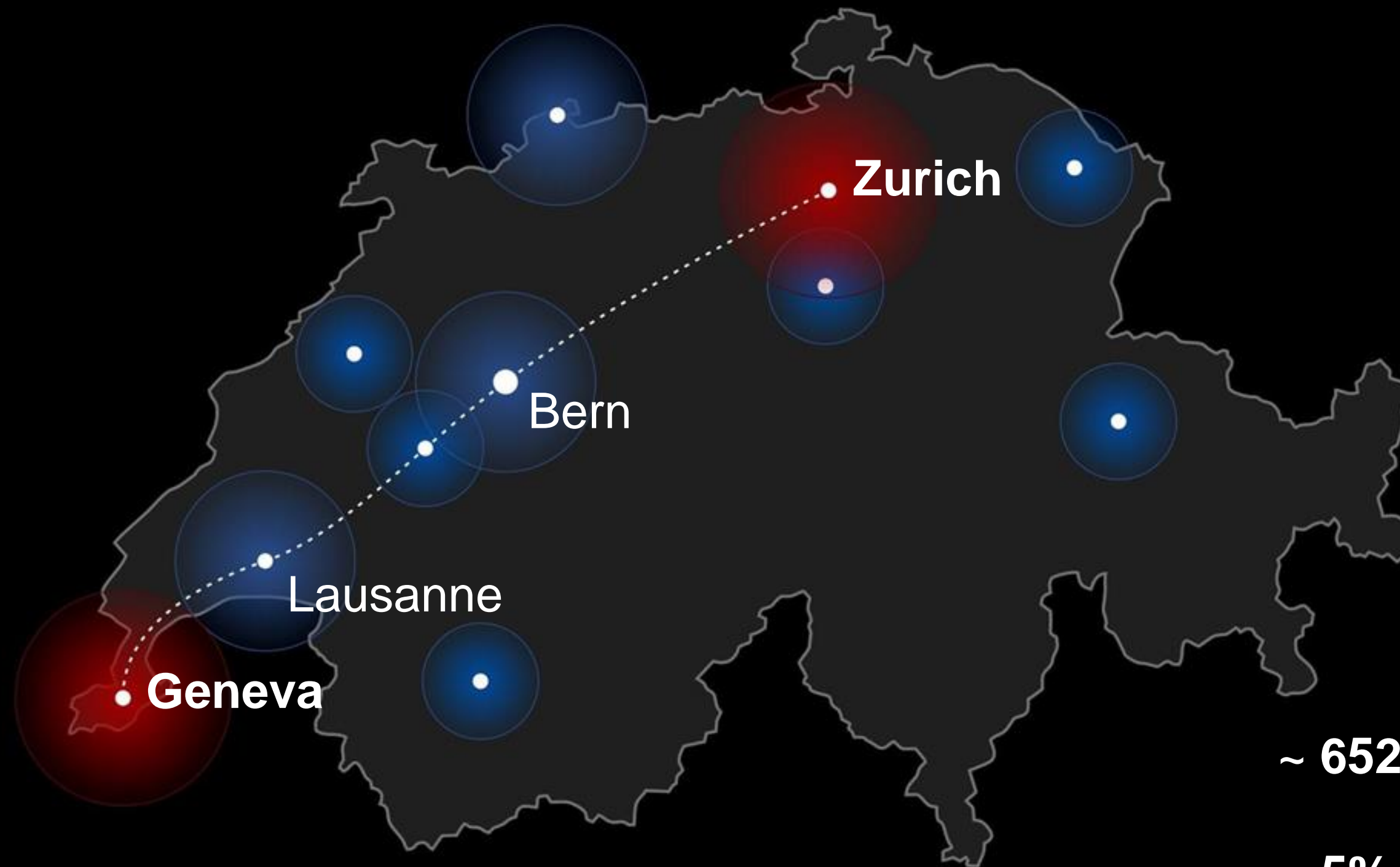
Swissmetro, the original Hyperloop

A photograph of a SpaceX Hyperloop Pod Competition. In the foreground, a man in a dark t-shirt and safety glasses is holding a yellow strap. In the background, a large white cylindrical pod with the SpaceX logo is visible. A woman in a dark shirt is standing near the pod's entrance. To the right, a large, dark, rectangular pod is mounted on a metal frame with wheels. The word "POD" is visible on the ground in the background. The scene is outdoors on a paved area with tents and other people in the distance.

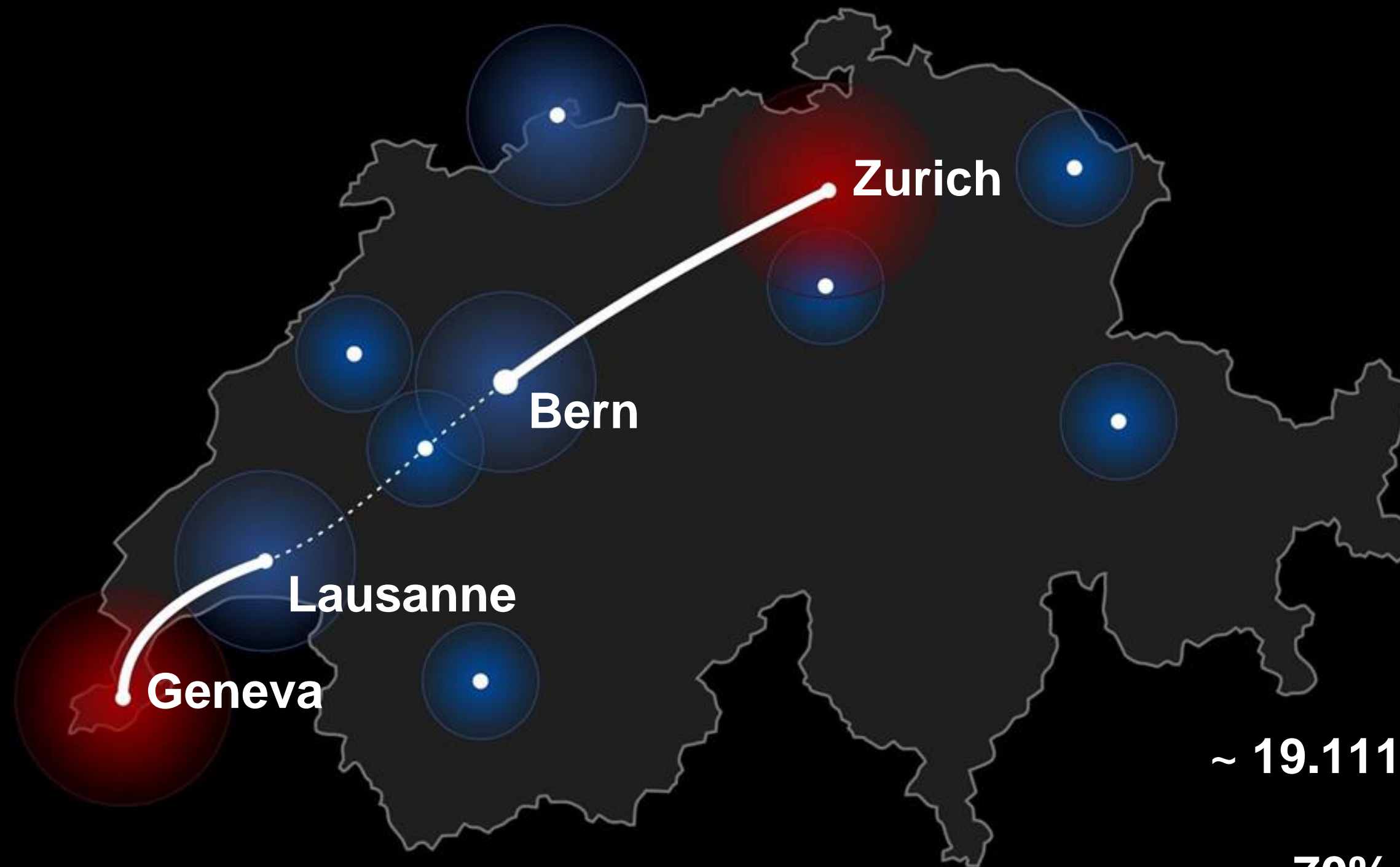
SpaceX Hyperloop Pod Competition

Results

Switzerland can benefit from Hyperloop



~ **652.000** trips / year
95% by plane
5% public transport
*2010 statistics



~ 19.111.000 trips / year
30% by car
70% public transport
*2010 statistics



Overcrowded above ground infrastructure

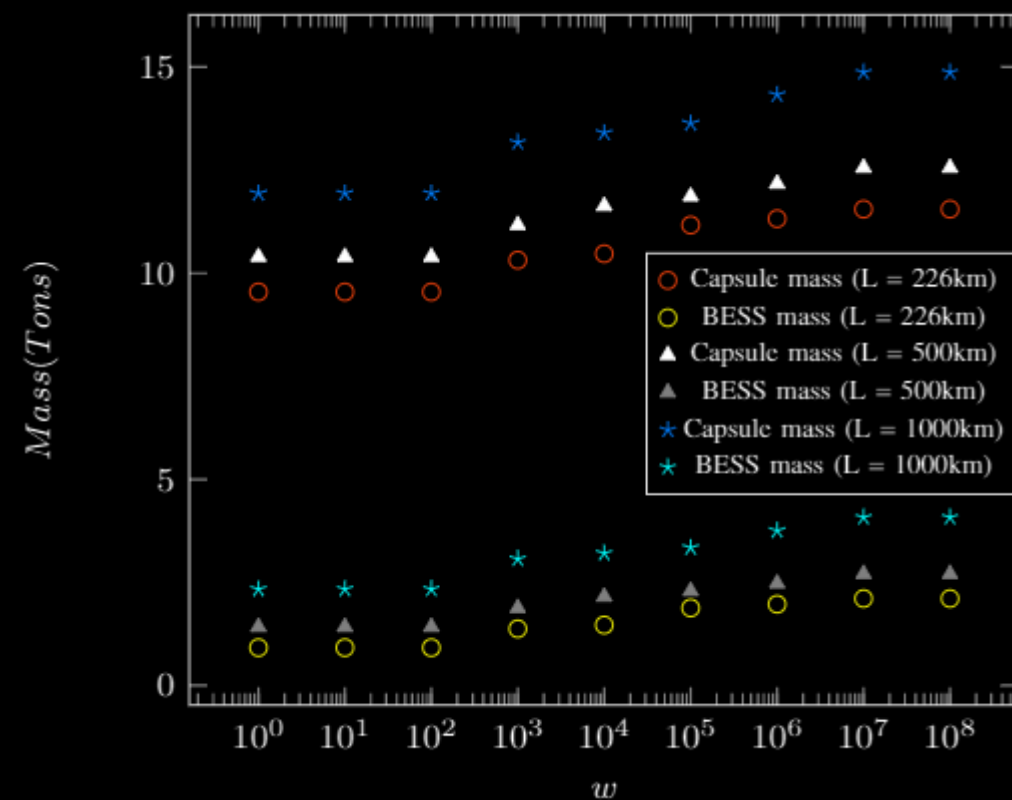
Hyperloop is the solution

Objective Functions

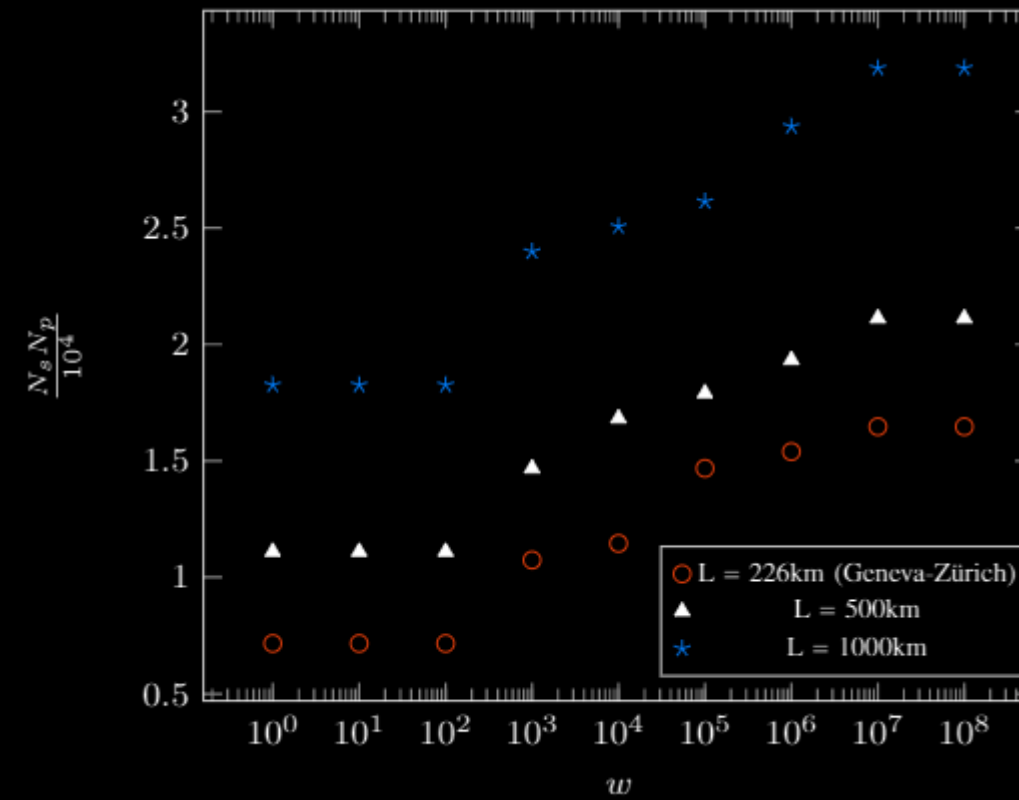
Minimize infrastructure cost

Minimize energy consumption per
passenger per kilometer

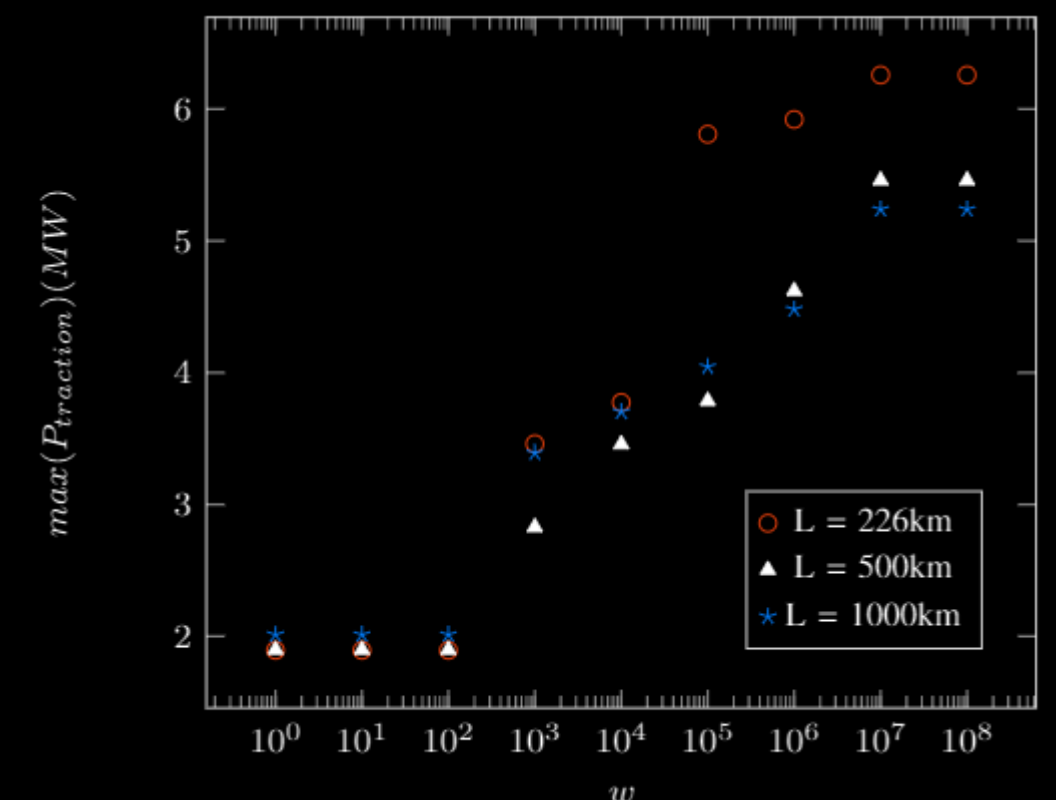
Batteries and power



Capsule and BESS masses

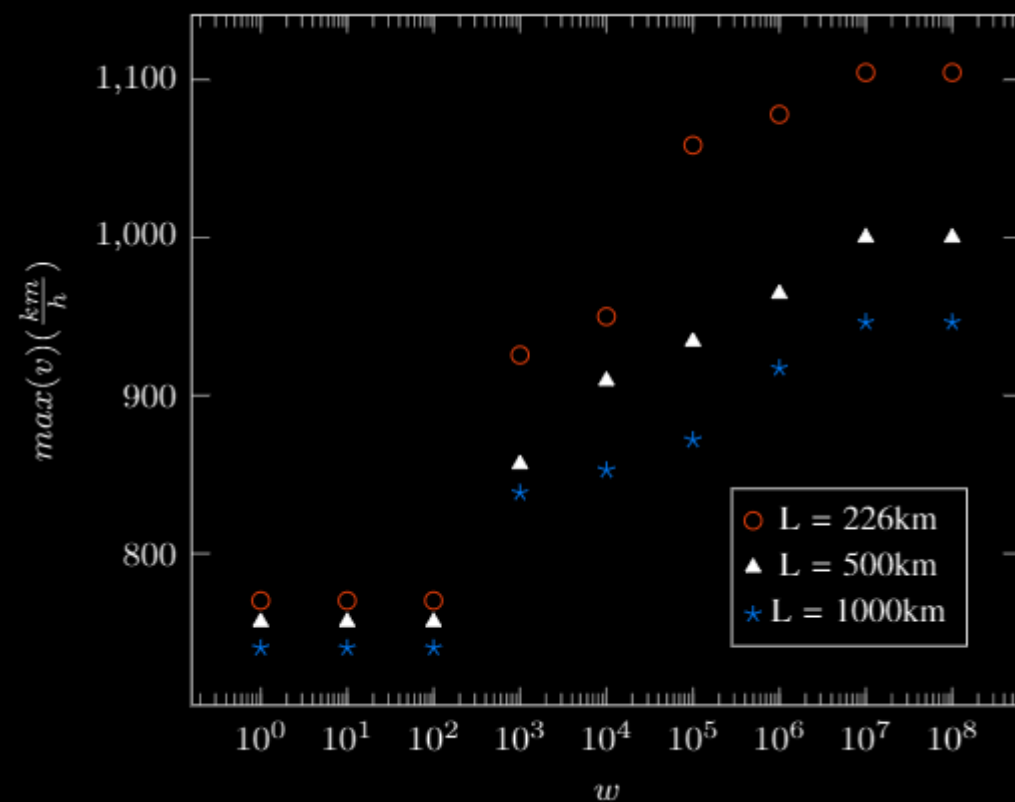


Total number of cells for the BESS

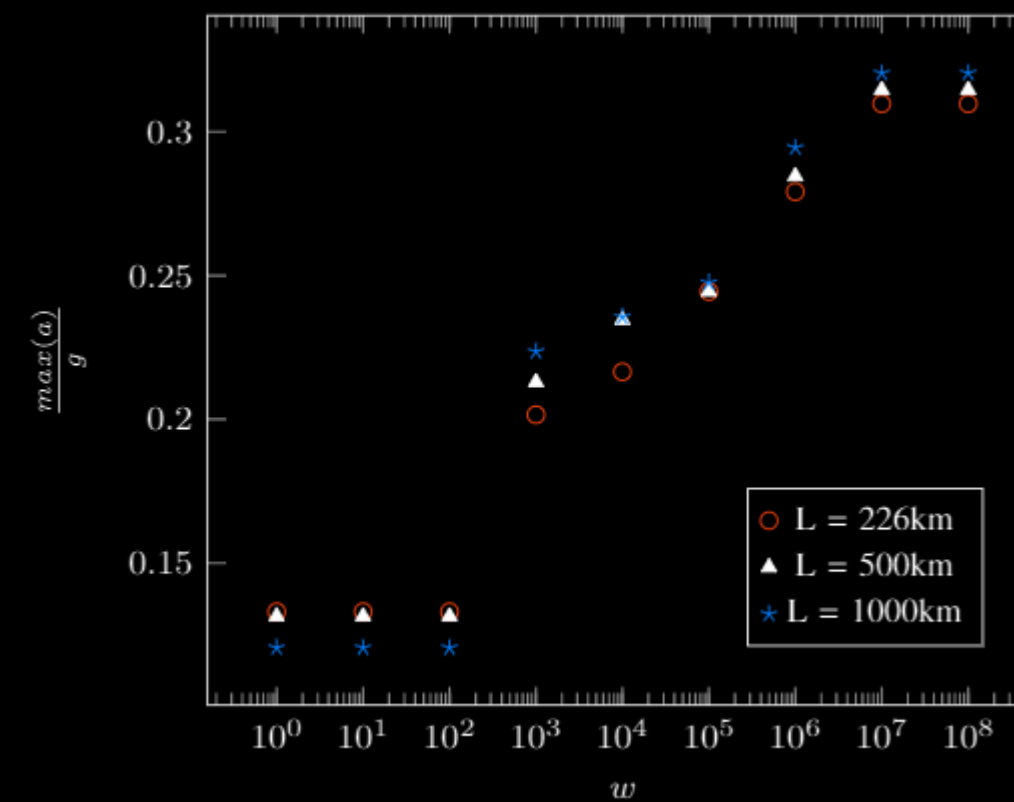


Maximum traction power provided by the capsule along the trajectory

Speed and acceleration

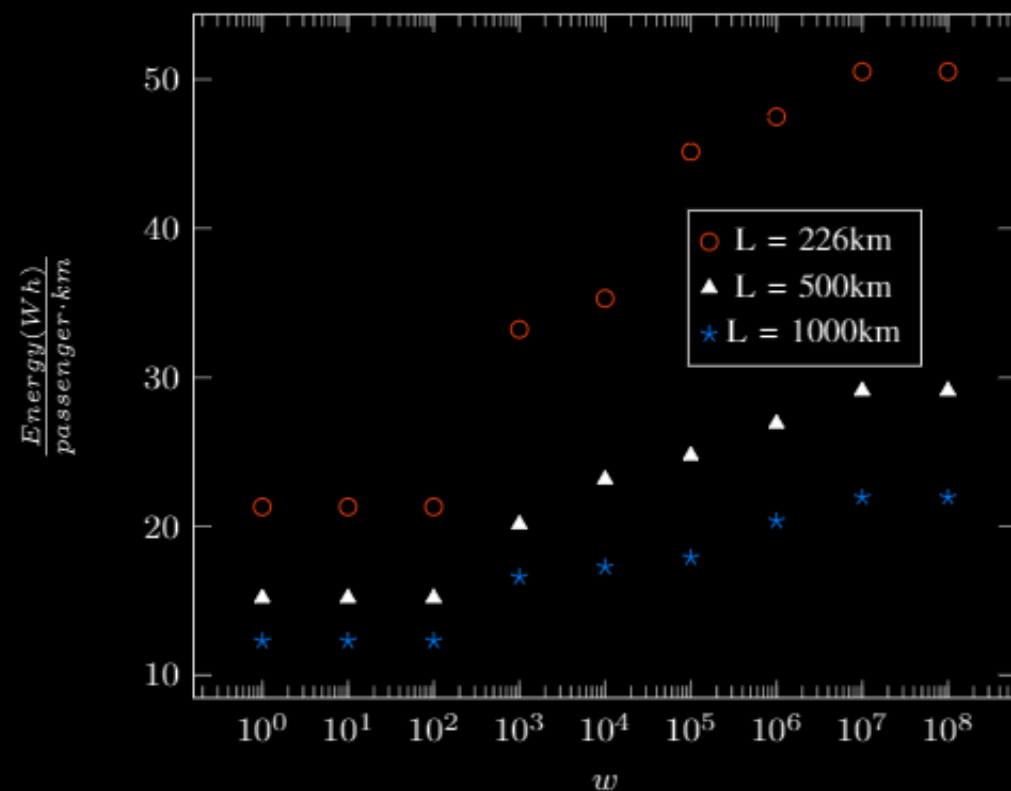


Maximum speed along trajectory

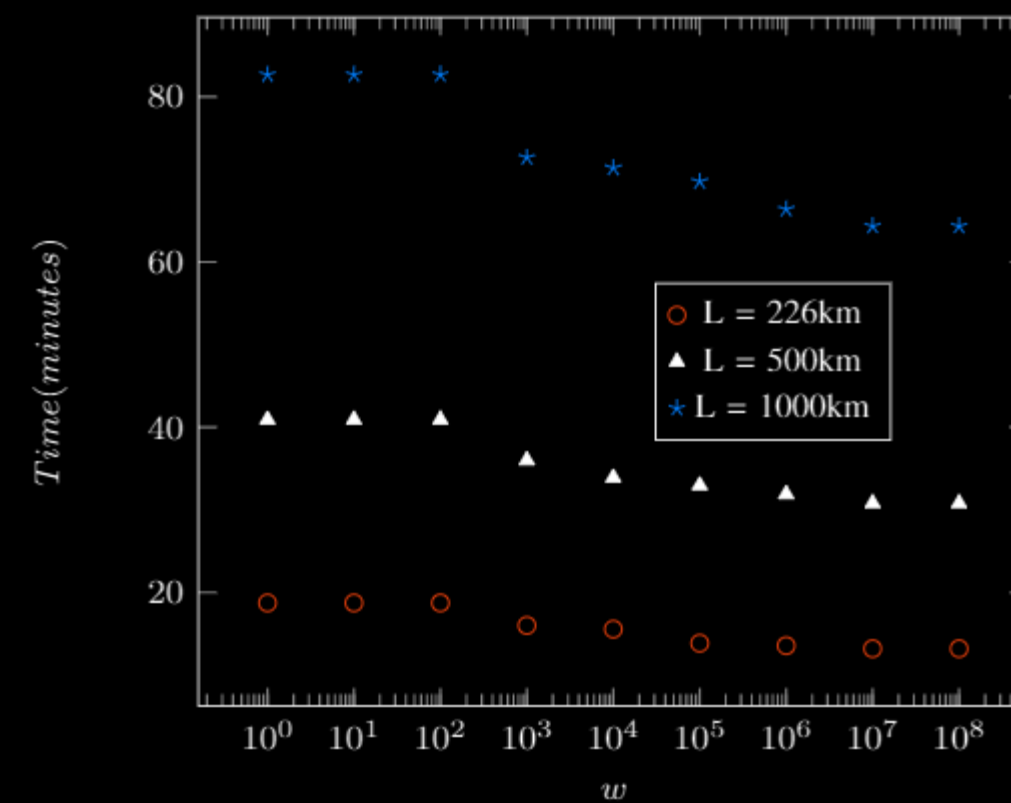


Maximum acceleration along trajectory (values in per-unit G)

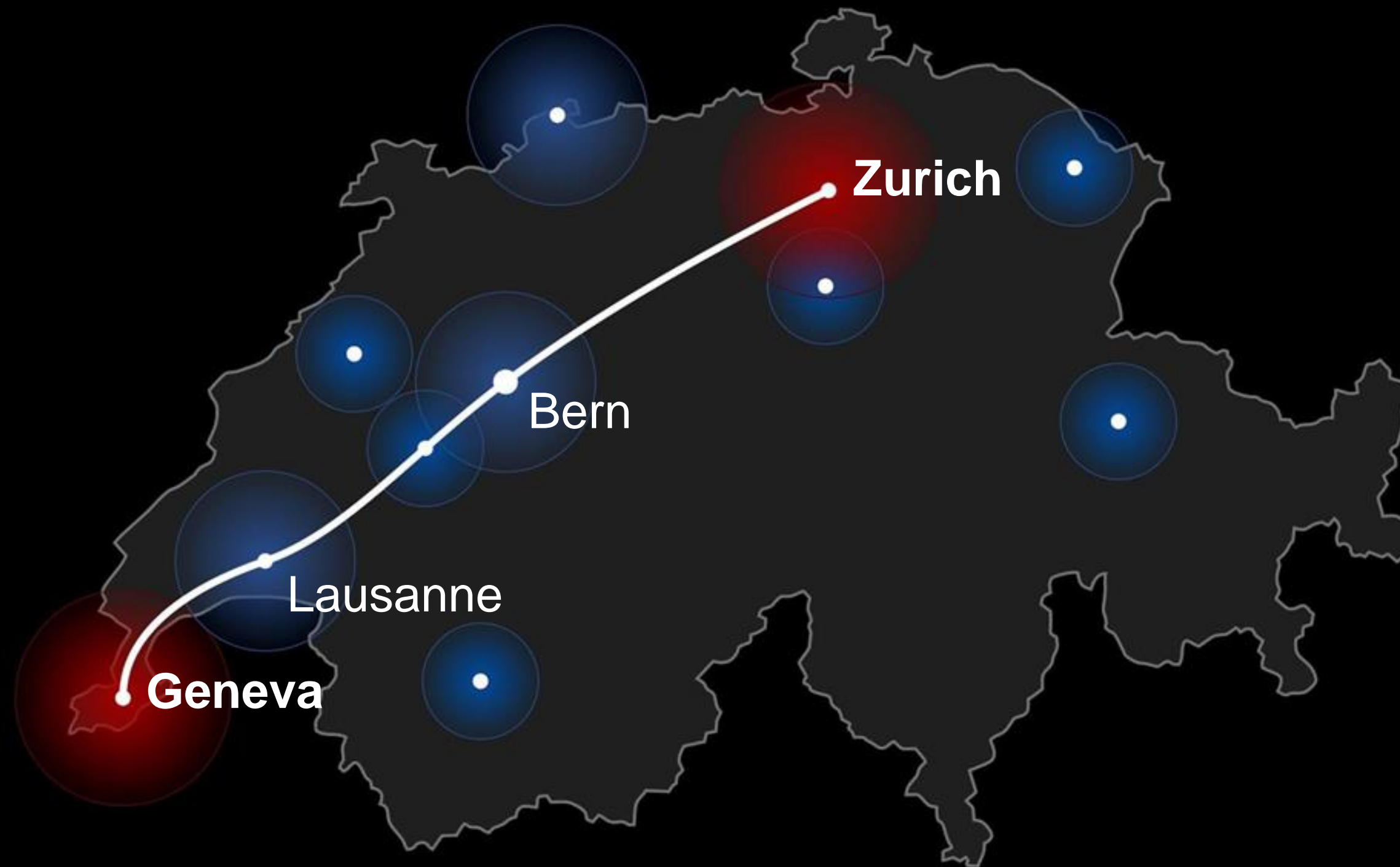
Energy and time



Energy consumption per passenger per kilometer



Average time necessary to cover the trajectory



Geneva to Zürich

17 minutes

8 CHF / Passenger

0 Carbon Footprint

*if renewable energy is used to power the system

Swisspod system capacity

1 Pod every 4 minutes per line

20 people as average per Pod

25 people as maximum per Pod

1.314.000 trips per year per line

*trips are calculated per person / 12 hours of traffic
per day / 365 days per year

Swisspod vs. HTT & Virgin Hyperloop One

22-50M (CHF) - Infrastructure cost per km is **50% cheaper** than Virgin Hyperloop One and HTT

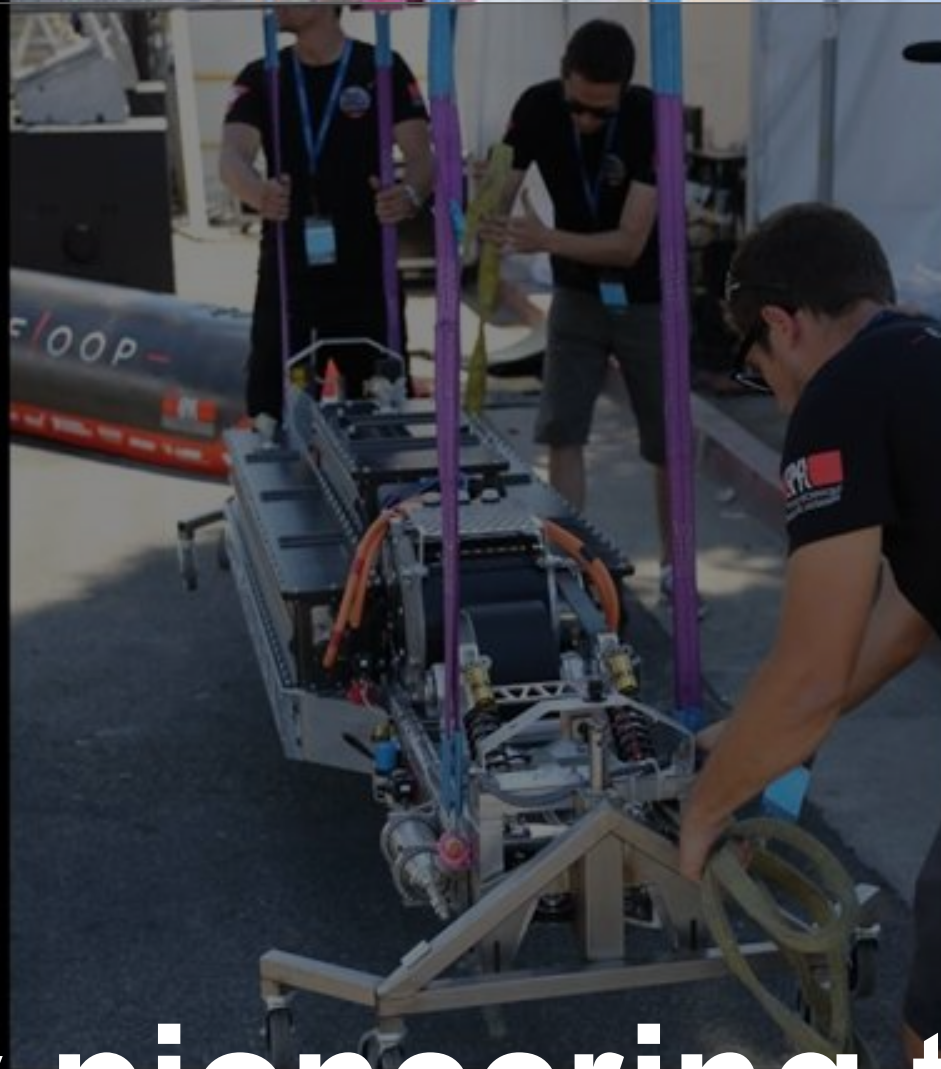
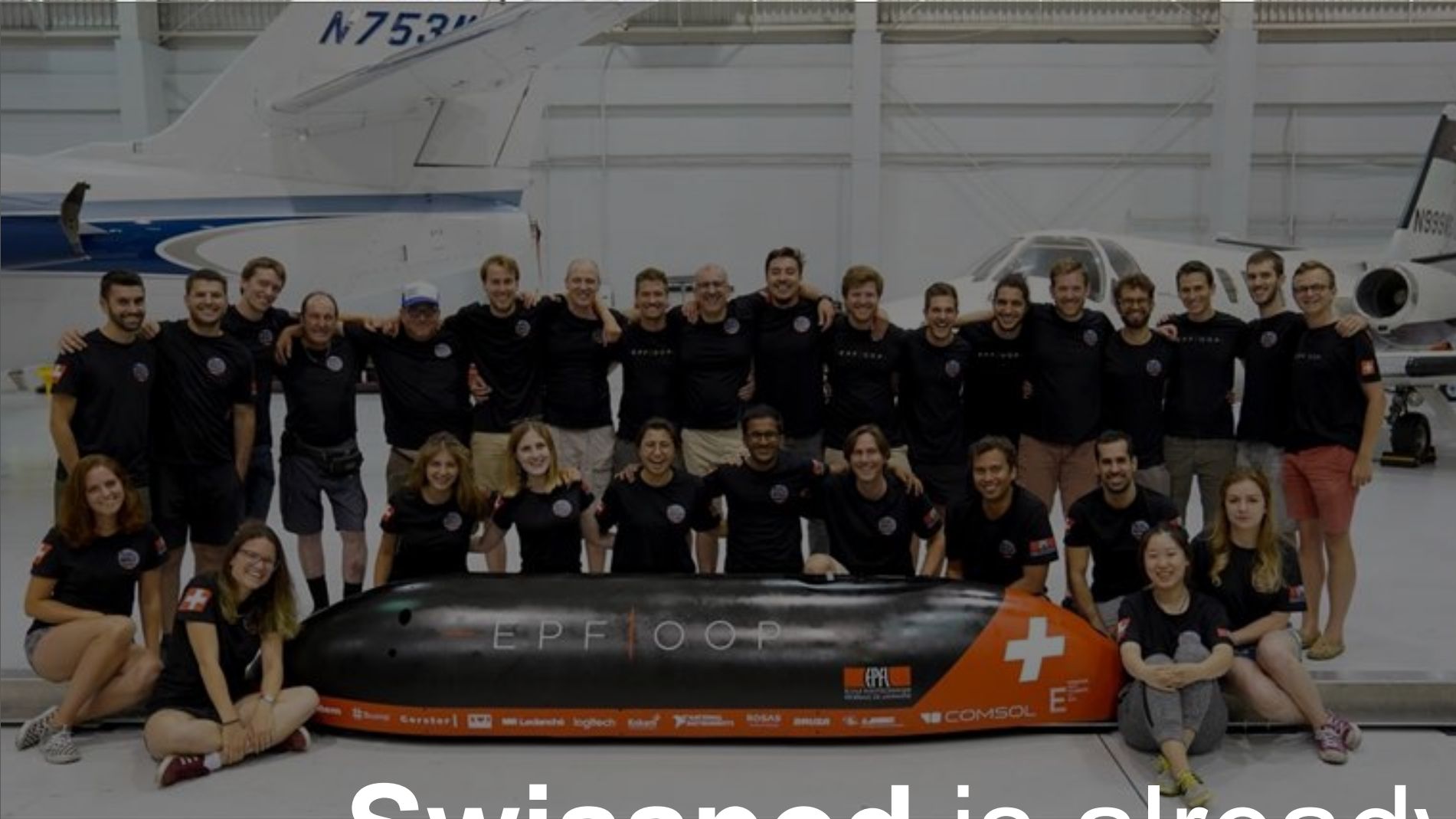
260kWh / 250 km - energy consumption is **35% lower** than HTT

1.8M (CHF) - Pod cost

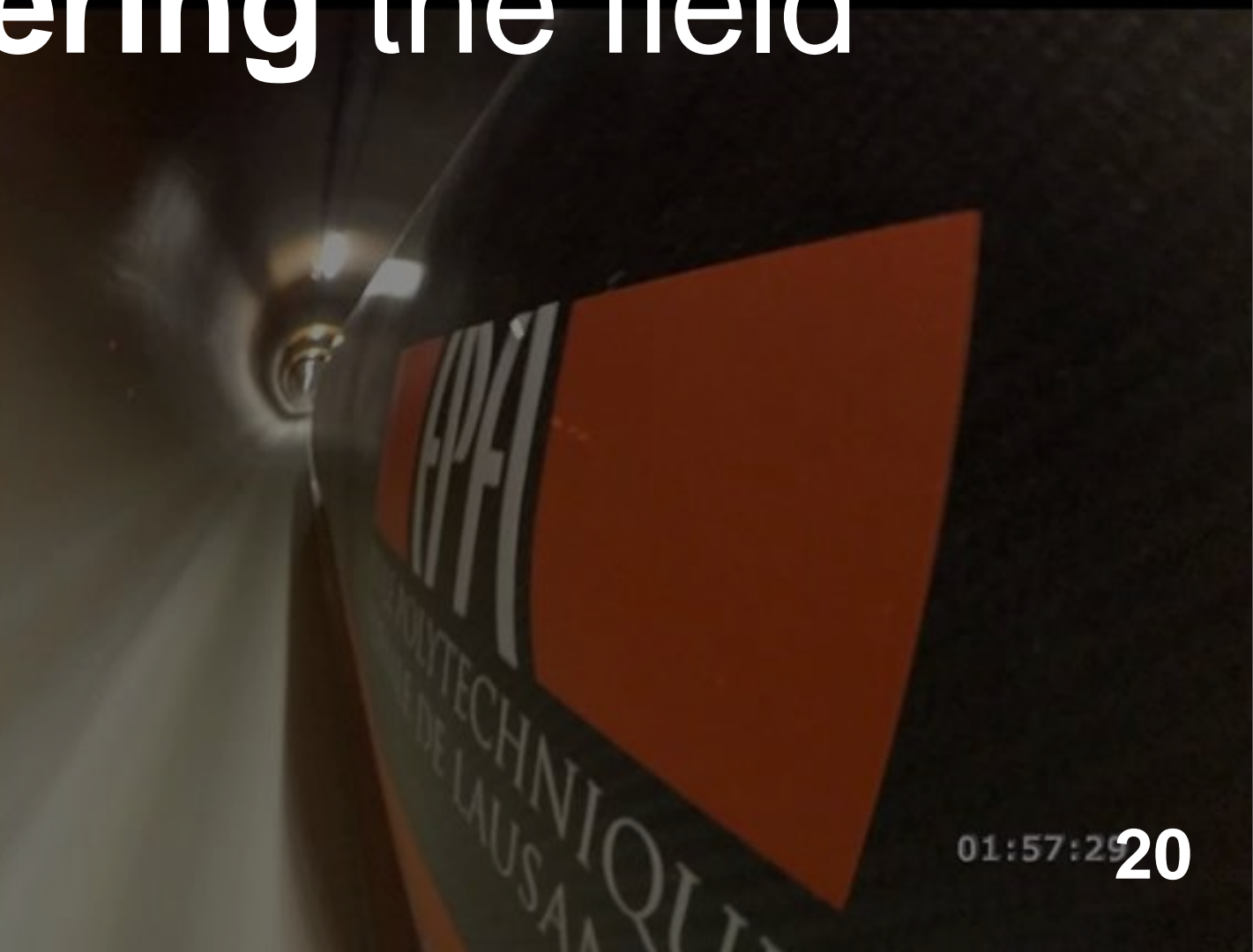
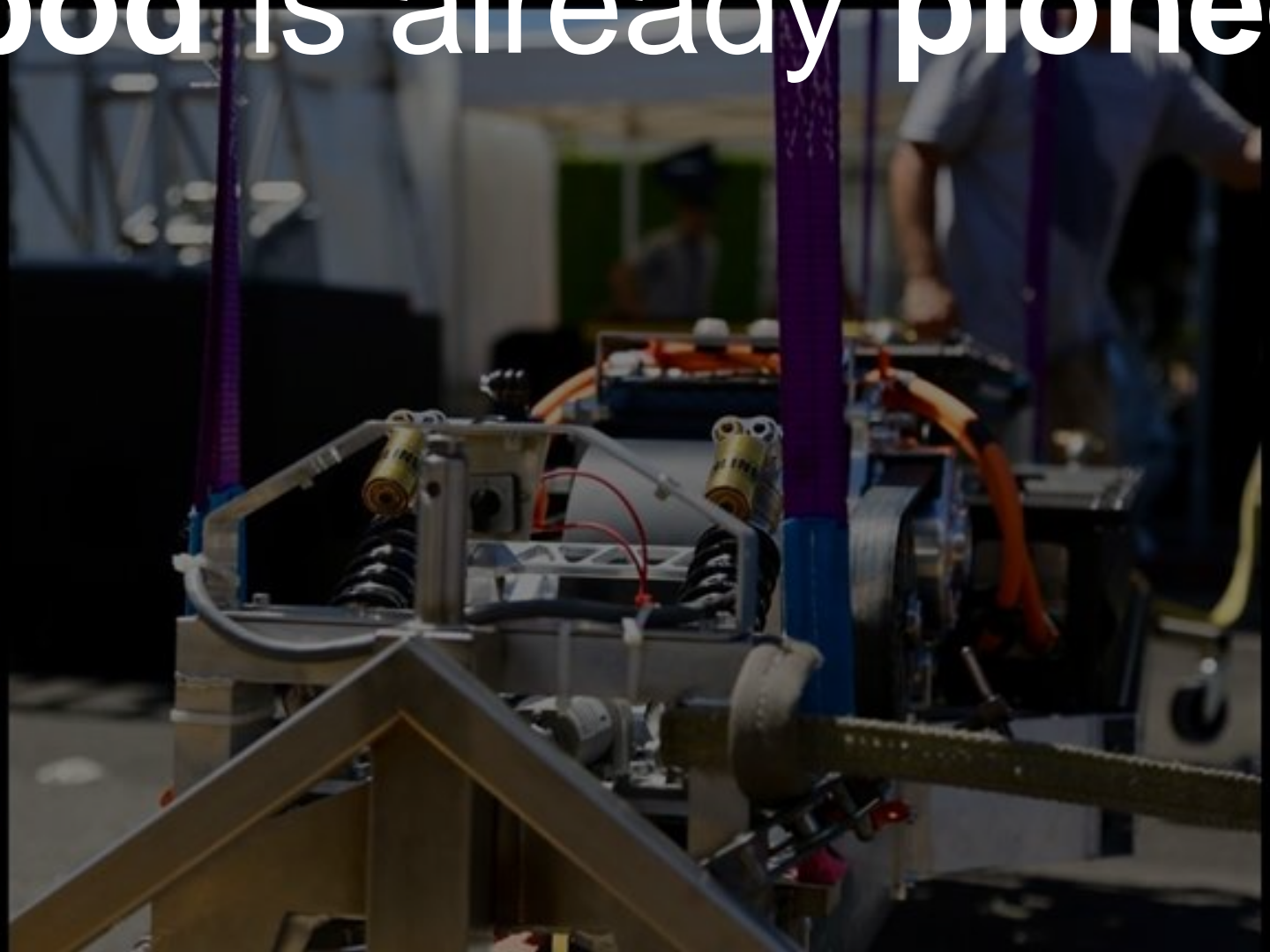
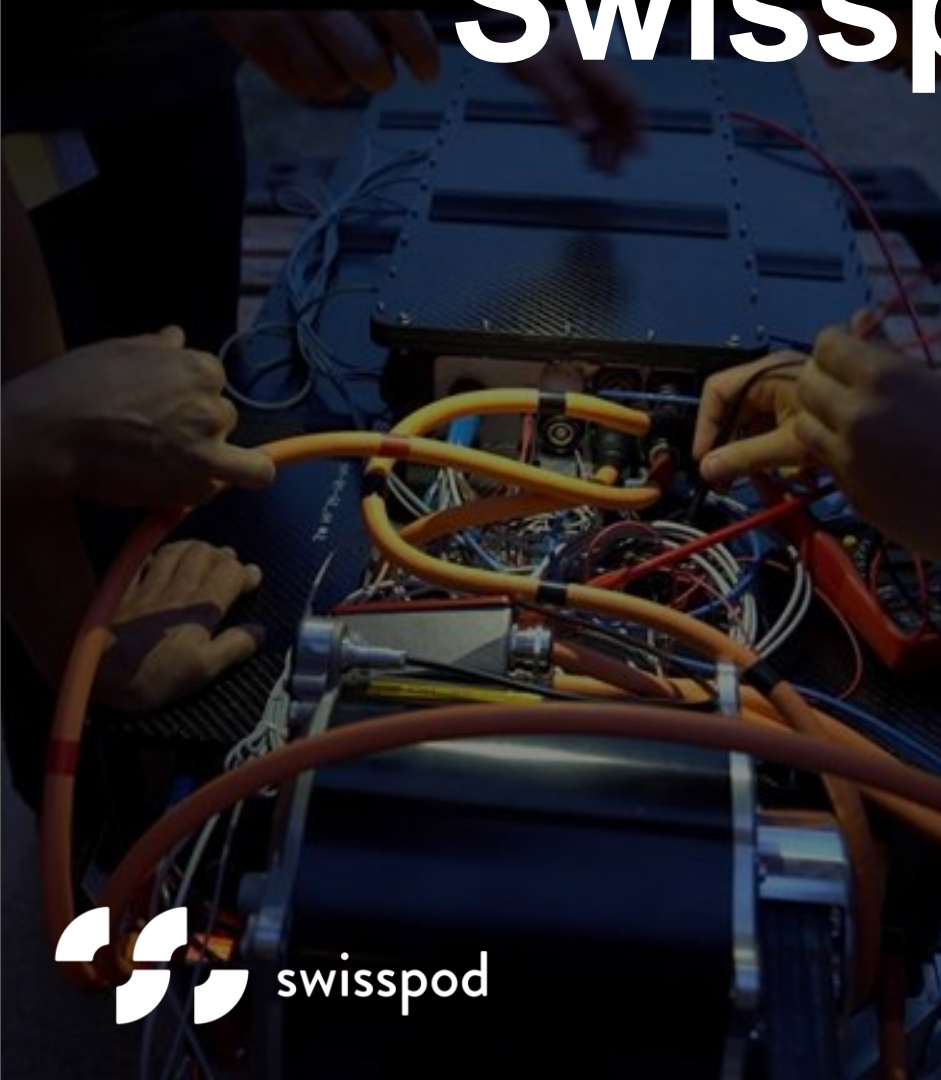
Swiss Innovation sets a precedent in Europe

i.e. Gotthard Tunnel

From here to there



Swisspod is already pioneering the field



EPFL



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Cyril
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24Y Financial & Business
experience



Gael
CFO



Corentin
Optimization
Engineer

Extensive engineering experience in
advanced technology fields



Florian
Systems
Engineer

A futuristic high-speed train, primarily white with red accents, is shown from a front-facing perspective as it travels through a tunnel. The train is centered on a track that recedes into the distance. A large, circular, glowing light effect surrounds the train, creating a tunnel-in-a-tunnel appearance. The overall scene is dark, emphasizing the train and the light effect.

Be part of the future. Create it.

Stay with **Swisspod**

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