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FOR IMMEDIATE RELEASE: 10/03/22

Today Half Company presents the Halfgrid project — a fully autonomous transit system for people and goods, running on a separate layer above the ground and based on the smallest unit possible — an individual person-sized pod.

Moving people and goods in an efficient and environmentally-friendly fashion has become the holy grail for city planners. Here are a few key points where our system can make a difference:

- Free space on the ground level, making neighborhoods less congested and more people friendly.
- Provides an independent transit layer that allows for full autonomy. Practically free from all overcomplicated parameters of the existing environment.
- The system combines the qualities of both public and private transit and has the potential to greatly reduce the vehicle units in the city. In effect, it is a personal public transit solution.
- Light and flexible transit layer that uses static steel cables. Unlike standard ropeways, with Halfgrid, the cables stay still while the capsules travel along them, allowing for simpler hardware that can adapt to different conditions.
- The simplicity of the network provides the opportunity to implement a centralized AI system and apply elements of the robotics industry for boarding, disembarking, and smooth transition between lines.
- Halfgrid is practically silent and has the potential to reduce noise pollution by offsetting some of the conventional traffic.
- Improves travel quality by getting people directly from A to B instead of fixed stops along the line. Easy to use — through a mobile application, the end user selects a start and end point for their travel and the system does the rest. At the same time, it provides comfort as capsules glide effortlessly through the air.
- The system also has the potential to redefine the delivery of goods within cities by transporting cargo directly to small businesses, reducing congestion and eliminating last-mile delivery issues.

About the Half Company: We are architects, designers, and makers who refuse just to sit and wait for the future to come. As creators of Halfbike, with years of experience designing and implementing mobility solutions, we like to challenge conventional models and transform our cityscapes.

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