



HELLO, 2024!

- The TransPod team is already immersed in a dynamic new year.
 - As we move forward, we want to take a brief moment to acknowledge the incredible journey we've experienced so far and express our sincere thanks for your unwavering support.
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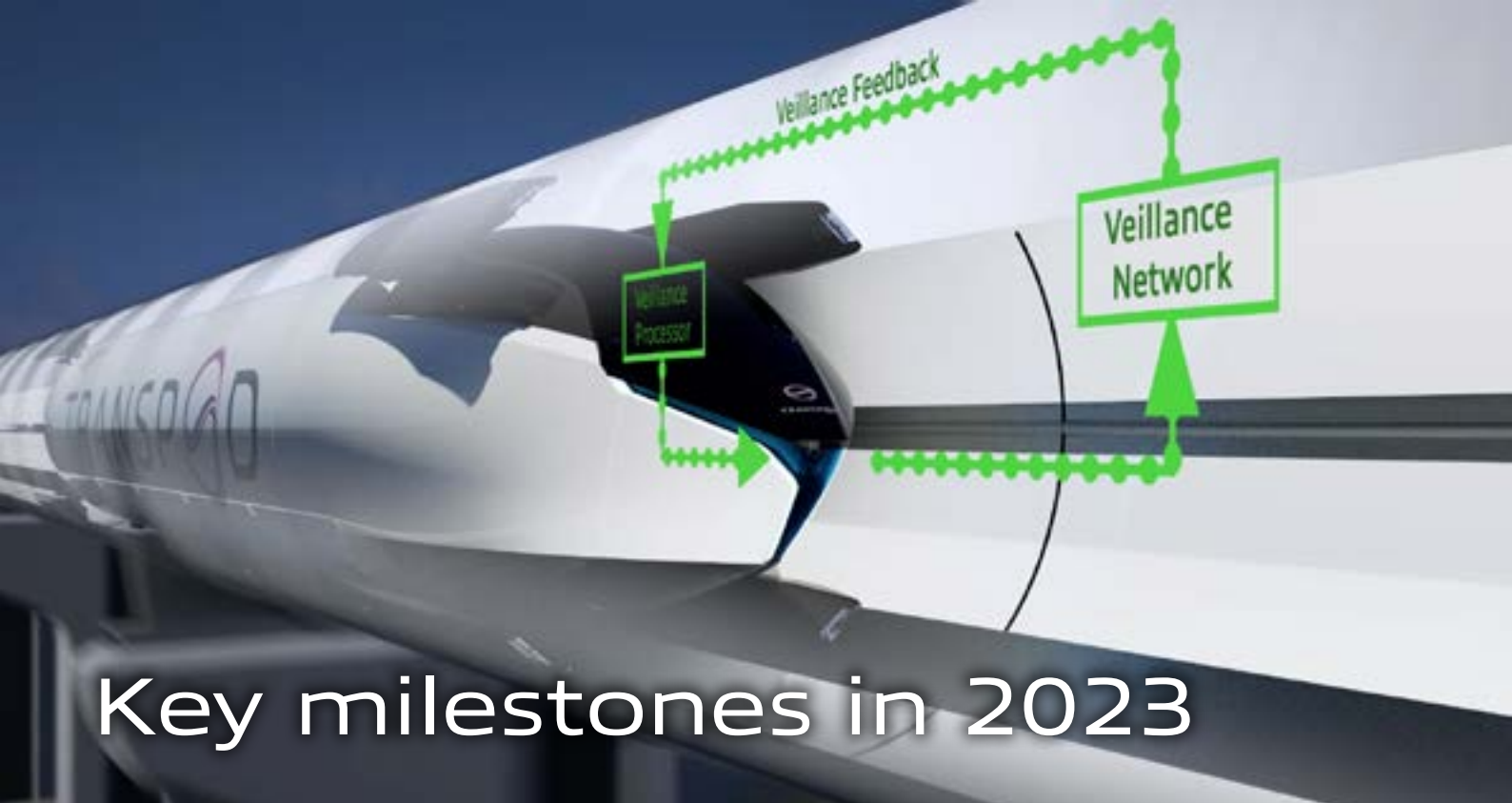
Key milestones in 2023

➤ Technological progress: We made significant strides in our lab this year.

Our 1-tonne, 1/3rd scale vehicle prototype received significant upgrades to its power and onboard controllers, enabling the vehicle's smooth ride thanks to our JetGlide™ technology – which is critical in ensuring passenger safety & comfort in the future full-size [FluxJet](#).

We set a new record for high-speed power transfer through our contactless “Quantum Power” system. Using plasma, the TransPod vehicle is designed to move faster than any high-speed train, while receiving power wirelessly. We've successfully set up a way to send power to a prototype vehicle using a 3000-volt plasma arc. We've tested this technology in challenging conditions, like high altitudes with low pressure (around 500 Pa, which is less than 1% of normal atmospheric pressure). This technology is a breakthrough that combines physics, materials, robotics, power electronics, and controls. It is a key element for our ultra-high-speed transportation vision.



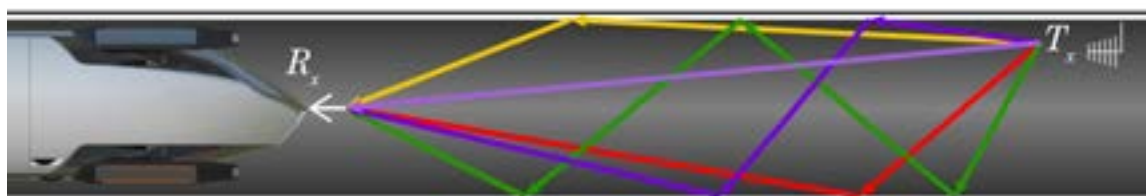


Key milestones in 2023

➤ We have made significant advancements to the communication technology to be used within the TransPod system.

This involves improving how information is shared between vehicles and the infrastructure during the journey, using an approach called OTFS, which will help ensure a smoother and safer experience for the passengers onboard.

This progress was presented at the IEEE Global Communications Conference in December, and will be published as a research paper in the upcoming weeks!

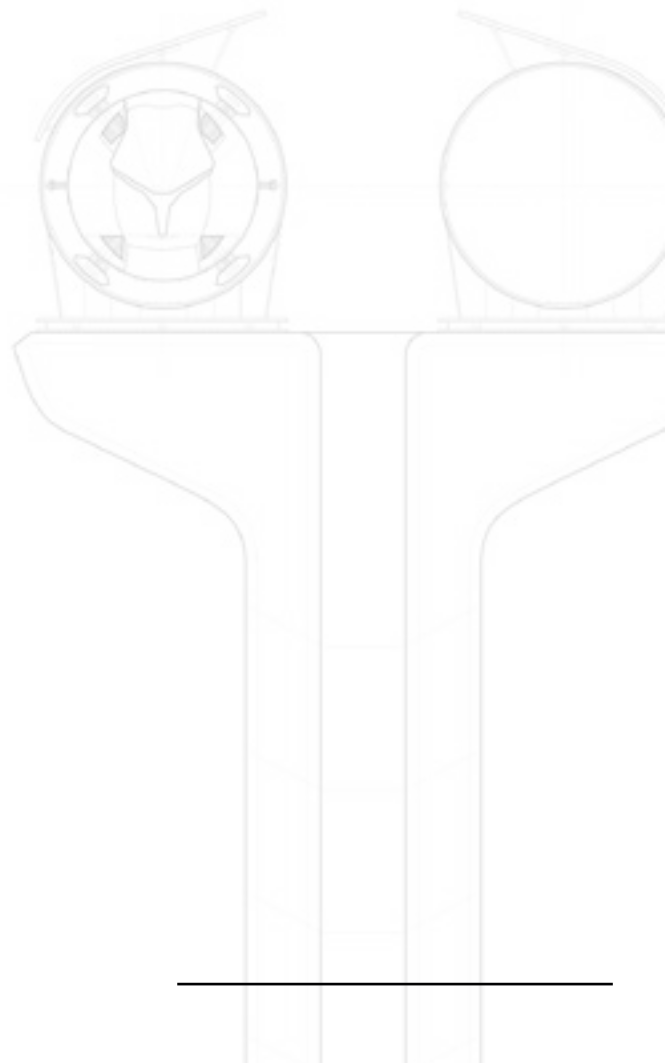




Key partnerships in Alberta

- TransPod is proud to have the support of the City of Edmonton, Building Trades of Alberta (BTA), and Clean Communities Corporation (CCC) in 2023.

With the [City of Edmonton](#), we have reaffirmed our commitment to work together on the TransPod test track between Edmonton and the Edmonton Airport. The Memorandum of Understanding (MoU) sets the groundwork for a partnership between TransPod, the City, and the Edmonton International Airport. It aims to promote the development of the TransPod System in Alberta, focusing on key aspects such as finalizing the system's route in the Edmonton area, developing the Edmonton International Airport as a TransPod cargo hub, determining station locations, and ensuring support for the innovative transportation system.





Key partnerships in Alberta



Each of these agreements is a step closer to bringing our first commercial system to reality.

With [BTA](#), we have agreed to collaborate on infrastructure testing and workforce development, to ensure that the Alberta workforce is prepared for our massive aerospace-type construction project. Working together will include development of the Alberta testbench and fostering meaningful employment opportunities in the province.

TransPod's partnership with [CCC](#), an Indigenous-led eco-tech enterprise based in Calgary, marks a significant step toward a sustainable future. Combining TransPod's high-speed, energy-efficient transportation technology with CCC's expertise in environmental remediation, the collaboration aims to revolutionize transportation. TransPod recently signed a Memorandum of Understanding (MoU) with CCC.



Industry Association

- We're thrilled to announce that TransPod has joined forces with industry developers such as Hardt (Netherlands), Nevomo (Poland), Hyperloop Transportation Technologies (USA), Swisspod Technologies (Switzerland), and Zeleros (Spain), to establish [The Hyperloop Association](#).

The objective of this association is to use the voices of those other companies to further advocate for the commercialization of sustainable transportation, to governments and industry. The Hyperloop Association will help to address industry challenges such as regulatory compliance and funding while capitalizing on market opportunities. They aim to leverage experienced developers, track progress, collaborate with European rail projects, and actively engage in industry groups. This collaboration will globally interface to institutions, to foster innovation and build a sustainable transport ecosystem.

Enabling Regulation of our 1000 km/h+ system: TransPod led the process to write European Union standards for "reference architecture" of vacuum transportation. We led a team with the EU CEN to draft a new standard, which will be used to enable regulation, safety and certification. This standard was submitted at the end of 2023 and is set to be published by the EU in 2024, as one of the world's first two standards to define vacuum transportation such as the TransPod System.



Key focuses for 2024

➤ France test track

Gear up for an exciting project as we set the wheels in motion for the planning and development of the test facility near Limoges, France. Stay tuned for upcoming announcements, including progress updates. This endeavor marks a crucial step before moving forward with our first full-scale system in Alberta, with the aim to commence work on this project in 2024.

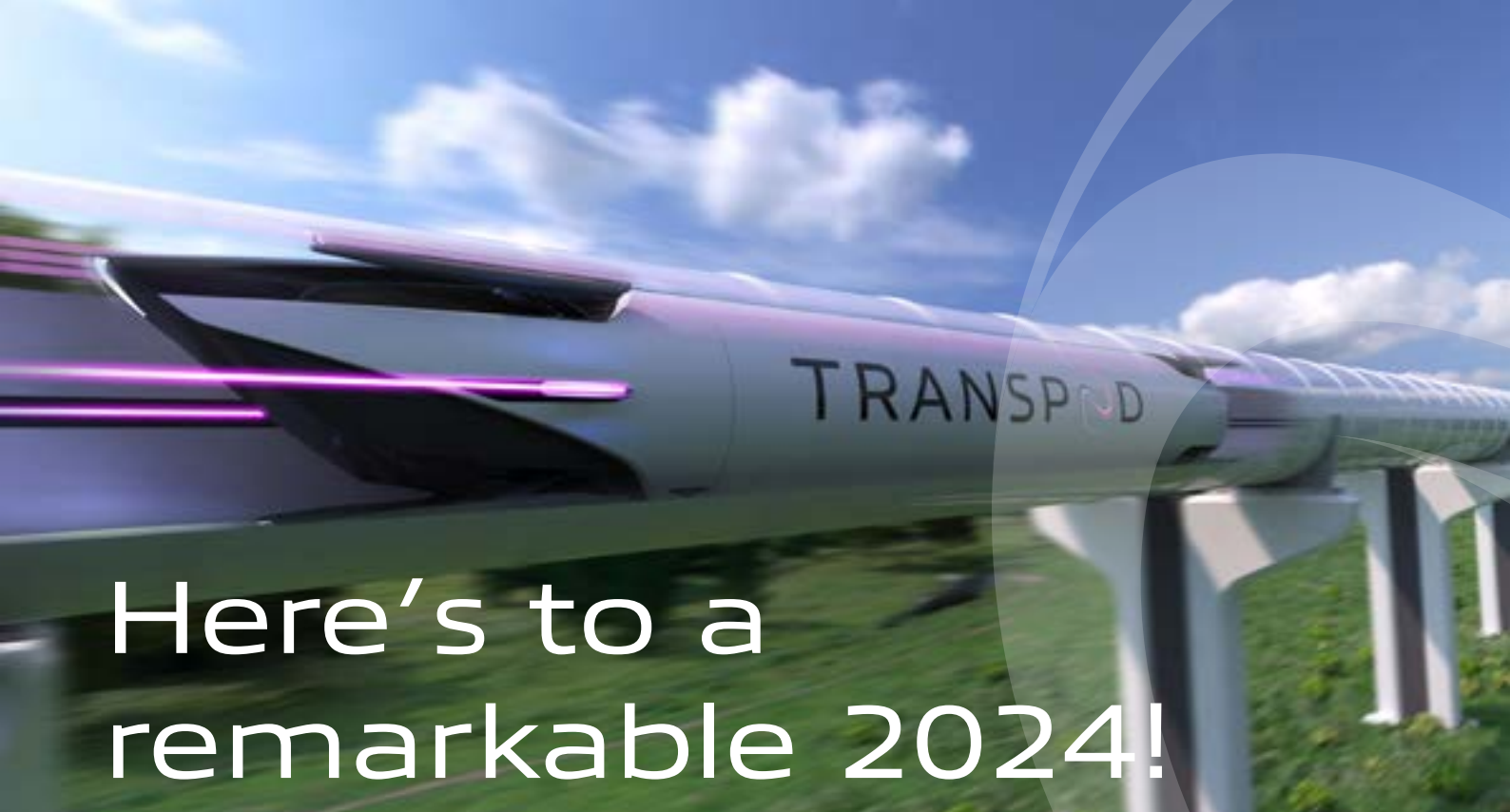
➤ Edmonton infrastructure testbench

In parallel with the test track in France, we will be building a short length of guideway in Alberta, to be used solely for infrastructure testing. This testbench will serve as a final validation of our structural design, allowing us to optimize the structure prior to kicking off our longer full-scale Alberta Test Track.



➤ Continued global progress

In addition to advancing our work in Alberta, we are in late-stage discussions with officials in other parts of the world who are working hard to bring TransPod to their regions. Our team and headquarters are growing to meet the demands of the future.



Here's to a remarkable 2024!

- We are grateful for your continued support, and we invite you to join us on this exciting journey toward a sustainable and equitable future. As we pave the way for the transportation industry, your thoughts and enthusiasm propel us forward.

Cheers,
[The TransPod Team](#)
