

Osaka Expo 2025

Hightech and Digitalization

In 2025 the World Expo will take place in Osaka, Japan. One of the five identified tracks focuses on Hightech (HT) and Digitalization (DX), further referred to as the HTDX track. It is an exhilarating opportunity to explore the forefront of technological advancement and to connect two countries through innovation.

The global society is digitalizing at a rapid pace and fast developments in the field of hightech are taking place. Moreover, the contemporary world is facing many upcoming challenges, which ask for innovative solutions. The Dutch spirit of innovation arises on the opportunities of cooperation.

A lot of common ground is found with our partners in Japan. Just like The Netherlands, Japan has an open economy and is a leader in hightech. Societal challenges are similar, such as labor shortages, carbon emissions and reliable supply chains. Recent Japanese government policies are stimulating international collaboration which offer many opportunities. By working together, we can contribute to our mutual ambitions and uphold technological leadership.

HTDX track focus areas

To realize digitalization and green transition, enabling technologies are necessary. That is why hightech and digitalization go perfectly together in our track. The hightech domain mainly focuses on advanced semiconductors, photonics, nano- and quantum technology. The digitalization domain is aimed at beyond 5G/6G, and artificial intelligence (AI) and data.

The Netherlands and Japan are complementary in many ways on these subjects and both governments are investing billions in further innovation. Japan is focusing its attention open innovation and international collaboration, for example in the application and R&D of semiconductors. The willingness to collaborate is evident, shown by the participation of over 50 organizations from the Netherlands participating in NL-JP activities in Japan last year!

Partnerships

Several partnerships already have begun. A special partnership is the cooperation between ASML and Rapidus to realize advanced chips for high-end products in electronics and automotive, two vital sectors in the Japanese economy.

To further continue the strengthening bond between the Netherlands and Japan, we will bring Organizations from the Netherlands organizations in the HTDX field to where they need to be. We will organize four delegations to the Osaka Expo 2025.



HTDX program in May 2025

From May 18th to May 28th multiple missions are organized for the HTDX program. To cater to the diverse interests and expertise of our participants, we have divided the missions in four groups, as can be seen below. The program includes visits to companies, universities and research institutes, matchmaking, a high-level HTDX conference, and time to explore the Expo of the 150+ other participating countries and international organizations.

The HTDX conference

The HTDX conference will host selected guests from innovative Japanese and The Netherlands companies and will include speakers and networking opportunities.

Pavilion

As a message of hope for a resilient future, the Netherlands Pavilion features an anthropogenic sun. It will host hundreds of visitors per day and offer them cultural and culinary delights. We will visit the pavilion with all four delegations.

Your opportunity to join

The Osaka Expo will attract key organizations in this field from all over the world. This is the moment to bring in parties in HTDX together in these delegations, that offer in-depth sessions as well as opportunities to connect in new and interesting fields. Additionally, it offers an excellent opportunity to showcase Dutch expertise and innovations on a global stage.

The HTDX track enables connections in a moment as historical as the Osaka Expo 2025. As we journey forward, let us remember in the fast-paced world of technology and innovation, it's essential to hop on the bullet-train of progress and ride it to a brighter future.

Would you like to join, or do you have questions or comments? Don't hesitate to send us an email and reach out.

Contact information

Minister Counsellor for Science, Technology and Innovation

Eric van Kooij

eric@hollandinnovation.jp

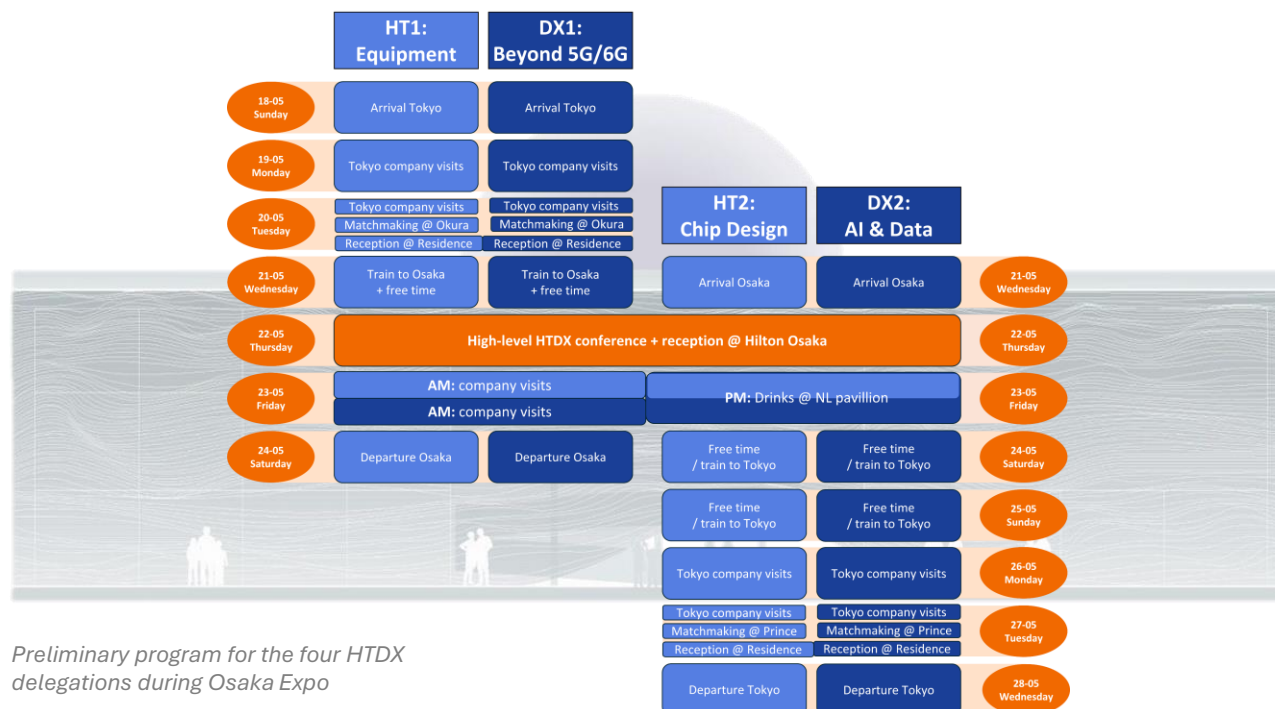
Project secretary HTDX for Osaka Expo

Charlotte Peeters Weem

charlotte@hollandinnovation.jp



Follow this QR-code to find the Netherlands Innovation Network online.



Preliminary program for the four HTDX delegations during Osaka Expo