



**Politecnico
di Torino**

POLITECNICO DI TORINO PRESENTS THE CHALLENGES OF FUTURE FLIGHT AT EXPO 2025 IN OSAKA

*The prestigious Italian university will be present at the Italian Pavilion
from 2 to 4 October thanks to a project funded by
the Ministry of University and Research*

Osaka, 2 October 2025

Following the opening of the **new Japan Hub of the University in Tokyo** on 29 September, **Politecnico di Torino** is once again in the spotlight in Japan, at the heart of the most eagerly awaited international event of the year: **Expo 2025 in Osaka**.

Today, Politecnico inaugurated a multimedia exhibition dedicated to the theme of **flight and space**, as part of the ["AIRONE - Aircraft and drones for sustainable civil mobility"](#) project, selected by the Ministry of University and Research and hosted in the **Italian Pavilion until 4 October**.

The exhibition, entitled **"Flying: Where Dreams Meet Technology"**, will take visitors on a journey through prototypes, videos and stories, exploring the frontiers of Politecnico aerospace research: from urban drones to stratospheric aircraft, to satellites and their terrestrial applications. The exhibition and Politecnico's presence at Expo were inaugurated today by Rector **Stefano Corgnati** and the Commissioner General for Italy at Expo Osaka 2025, Ambassador **Mario Vattani**, together with the Vice-Rector for Communication and Promotion of Politecnico, **Silvia Barbero**. The President of Regione Piemonte, **Alberto Cirio**, and the Mayor of Città di Torino, **Stefano Lo Russo**, gave an institutional greeting, emphasising the systematic action of Torino and Piemonte area in the international arena. The directors of the two PNRR projects that Politecnico is presenting at Expo, namely MOST – National Centre for Sustainable Mobility and NODES - Digital and Sustainable North-West, **Gianmarco Montanari** and **Chiara Ferroni**, presented the role of these initiatives for innovation in Italy and beyond.

*"Participating in Expo Osaka allows us not only to consolidate our presence in Japan in a strategic development sector for Politecnico and the region, such as aerospace. It also highlightst how this activity takes place in a context of international dialogue with our partner universities and industrial groups that collaborate with Politecnico di Torino – comments Rector **Stefano Corgnati** – The AIRONE project presented at the Expo stems from a call for proposals by the Ministry of University and Research, which we won thanks to our University's solid position in an innovative hi-tech sector such as aerospace, and our strong commitment to collaboration with Japan".*

In addition to the multimedia exhibition, Politecnico will host **two meetings** with Italian and Japanese guests **to foster dialogue on innovation, sustainable mobility and scientific cooperation**.

On 3 October, the theme will be collaboration between Politecnico and Japan, with the talk **Scientific Pathways from Turin to Osaka: A Cross-Cultural Collaboration Series**, coordinated by Professor **Giuseppe Quaglia**, director of PoliTO Japan Hub: a dialogue between Italian and Japanese speakers on shared research themes, ranging from robotics at the service of mankind to innovative materials, energy and Artificial Intelligence.

On 4 October, Politecnico's Expo experience will conclude with a meeting dedicated to the University's research in the fields of **Advanced Air Mobility (AAM)** and the **New Space Economy**. The talk is coordinated by Professors **Giorgio Guglieri** and **Giuseppe Scellato**, representatives of the Spokes dedicated to aerospace in the MOST and NODES projects respectively.

*"With our presence at Expo, we not only wanted to showcase our excellence in the field of research and innovation, but also to open ourselves up to discussion and dialogue with our partners, both institutional and industrial, through a series of meetings, which are essential moments for sharing knowledge in a sector that is innovating at a rapid pace. There are three areas of investigation: first of all, studying the upstream sectors, which allow us to understand how the aircraft and mobility of the future will enable us to fly and travel into space; then how to remain and explore space through satellites, orbiting stations and lunar and Martian stations; finally, how we can observe what is happening both on Earth and in outer space from space and the atmosphere, in order to develop increasingly innovative products and services that allow society to evolve in an inclusive and equitable manner on the one hand, and to ensure the preservation of our planet on the other, while exploring new places to live", continues the **Rector**.*

*"Piemonte at Expo 2025 in Osaka, thanks in part to Politecnico di Torino, brought technology and innovation, but that's not all. We are presenting Italy as a strategic partner for Japan and Asia, also in view of next year, when we will celebrate 160 years of diplomatic relations between Italy and Japan," comments the **Commissioner General for Italy at Expo 2025 Osaka, Ambassador Mario Vattani**.*

*"The mission to Japan and our presence at Expo are an extraordinary opportunity to forge relationships and promote the excellence of our Regione Piemonte. The innovation and capabilities of our companies, our culture, art and food and wine, the opportunities linked to tourism, and the high level of education provided by Politecnico di Torino. The University is one of our best calling cards in the world, as confirmed by the important events of this mission, and here it brings the best of research and its applications in the aerospace sector, which today represents one of the strategic sectors for the economy of our region," adds the **President of Regione Piemonte, Alberto Cirio**.*

*"We are proud to see Politecnico di Torino playing a leading role here at the Osaka Expo: a concrete demonstration of the value of Torino system, which knows how to present itself united on the international stage. Politecnico, a world leader in the aerospace sector, and Città di Torino, already recognised as the European Capital of Innovation, are today the protagonists of a journey that combines vision, technology and sustainability. Together, Torino and its Politecnico are establishing themselves as a single force capable of shaping the future of air and space mobility, offering the world ideas and solutions that originate in our city and speak of Italian excellence", concludes the **Mayor of Città di Torino, Stefano Lo Russo**.*