THE 16TH VIRTUAL DESIGN WORLD CUP

AERO-LIBRARY

A PERSONALIZED LEARNING MOBILITY SYSTEM FOR NEO-CITTÀ STUDI MILANO

POLITECNICO DI MILANO EXPRESS



Serving as the primary portal, Platform 9¾ of "Politecnico di Milano Express" bridges reality and metaverse. Navigation completely abandons conventional UI menus in favor of a "wand-waving" interactive gesture, seamlessly rendering quantum pathways to specialized academic zones.

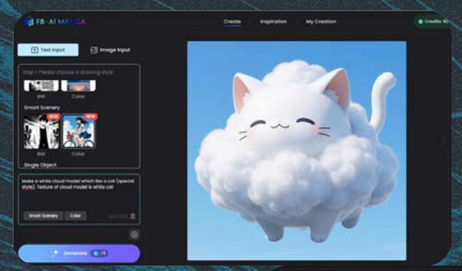


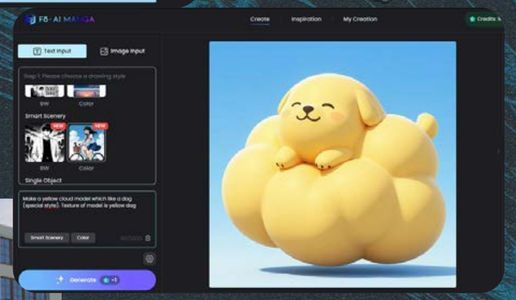
Metavania
metaverse F8VPS



"Svela lo Spazio!"
(Open up the space!)

AERO-LIBRARY







F8 - AI MANGA

As a means of transportation within the Metaverse, the “Aero-Library” can be customized to reflect each student’s preferences. Using F8-AI MANGA tool, students simply enter an idea, text prompt, or rough sketch. AI instantly transforms and reprograms Aero-Library’s architectural exterior—serving as the user’s avatar—into any imaginable spatial form in real time, expressing their personal style and mood.
Inside, the Aero-Library functions as an online library, featuring a 360-degree immersive display that allows students to access digital content while exploring the virtual campus.



ROBOTICS DEPARTMENT

The pinnacle of mechanical engineering simulation. This anti-gravity laboratory features automated robotic arms and massive holographic arrays, allowing students to visualize, test, and assemble complex algorithms and heavy machinery in a limitless virtual environment.

Engineer's Studio

DESIGN CONCEPT

INSPIRED BY THE MAGICAL WORLD OF FANTASY, WE CREATED AN IMMERSIVE VIRTUAL EXPERIENCE FOR STUDENTS AT POLITECNICO DI MILANO. THE JOURNEY BEGINS AT PLATFORM 9¾, WHERE STUDENTS BOARD THE "POLITECNICO DI MILANO EXPRESS" AND ENTER THE CAMPUS. BY WAVING A MAGIC WAND AND CASTING "SVELA LO SPAZIO!" – "OPEN UP THE SPACE!", STUDENTS CAN REVEAL AND CHOOSE THE FACULTY THEY WISH TO EXPLORE. INSTEAD OF FLYING BROOMSTICKS, THEY TRAVEL AROUND CAMPUS USING THE "AERO-LIBRARY", AN INNOVATIVE VEHICLE EQUIPPED WITH AN ONLINE LIBRARY. EACH AERO-LIBRARY MODEL CAN BE CUSTOMIZED TO REFLECT THE STUDENT'S PERSONAL STYLE AND PREFERENCES.



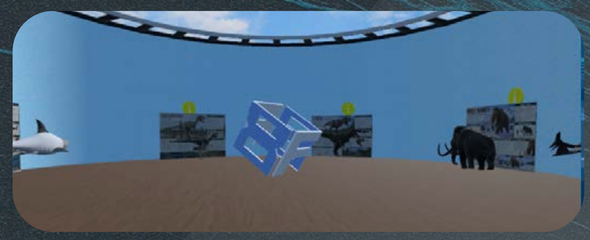


FASHION DEPARTMENT

A virtual exhibition zone where textiles meet digital technology. Users interact with parametric mannequins and holographic fabrics that dynamically alter their forms, materials, and colors in real-time, offering a boundless 3D space for avant-garde fashion design.

Virtual Reality Design Studio
UC-win/Road

PALEONTOLOGY DEPARTMENT



Reconstructing Earth's history through immersive VR. Students engage directly with floating geological layers, where thousands of prehistoric fossils auto-assemble with precise spatial accuracy, bringing ancient ecosystems back to life before their eyes.

FORUM8
VR / FEM / CAD / Cloud UC-1 Engineer's Studio®

