

ATELIER CREATIVO TRASVERSALE 3D

L'attivazione di un Atelier creativo 3D, ha lo scopo di costruire un ponte tra il creativo e l'occupazionale, sviluppando le diverse attività attraverso un'organizzazione delle risorse, umane e strumentali.

Gli obiettivi di formazione, ricerca, sperimentazione e innovazione di materiali, tecnologie e prodotti rispondono alle attese dell'industria del mondo del lavoro 2.0.

Il laboratorio sarà attrezzato con importanti ed adeguate apparecchiature, per la scansione 3D, la stampa 3D, e la fruizione dei contenuti tridimensionali in grado di consentire:

Digitalizzazione tridimensionale di forme e colori di qualunque manufatto artistico senza limiti di materiale e dimensioni

Elaborazione grafica dei modelli digitali tridimensionali per applicazioni multimediali e di realtà virtuale iperrealiste ed altamente immersive

Riproduzione dei manufatti artistici attraverso metodologie ad addizione o ad asportazione senza limiti di materiale e dimensioni

L'attività laboratoriale presentata avrà l'obiettivo di concretizzare alcune di queste applicazioni, con relative dimostrazioni e in una logica di compliance ai fabbisogni espressi dal mondo professionale, utili a:

Catalogare i modelli matematici preservando così la memoria della forma e del colore;

Realizzare innovativi prodotti multimediali ed interattivi utili a fini di studio o didattica fruibili attraverso cd-rom o attraverso la rete Internet;

Ricostruire ambienti virtuali iperrealisti ed altamente immersivi per consentire agli utenti di interagire con il patrimonio artistico;

Riprodurre in materiali e scale diverse i target acquisiti per un merchandising di qualità di ispirazione museale

Replicare in maniera esatta i target o parti di essi per consentirne la fruizione in piattaforme didattiche ad hoc.



Delivering the first
immersive exploration
user experience



About Us

zSpace, Inc.® is a leading technology provider that delivers a new way of learning with its flagship product, zSpace®.

zSpace is an interactive hardware and software platform that allows users to visualize, create and experience in ways not possible in a traditional computer environment. zSpace's virtual reality environment gives depth to the digital learning experience by improving the ways things are studied, explored, and designed.

zSpace is a privately-held, venture-backed company located in Sunnyvale, CA. The company has filed more than 30 patents for its innovative technologies.



*Stunningly realistic
visual environment*

STEM Education

zSpace is the ultimate immersive learning experience that allows students to interact with objects and understand the concepts behind them. With zSpace, students can learn highy engaging tasks that are often too complex, expensive, and dangerous for the classroom.

Universities, Research, and Education

zSpace is committed to supporting education, and research with solutions that help students, faculty, and researchers understand, teach, and solve the world's toughest problems. Top universities are using zSpace to develop innovative solutions that deliver compelling research and change the way they teach.



Medical Training

zSpace provides an interactive solution for medical training combining immersive engagement and a high definition experience with the rich detail and medical accuracy of partner software. From manipulating organs or cryogenic cross-sections to search and viewing specific systems or the whole body - CT/MRI scans correlate to the appropriate positions in the body.



Cyber-Anatomy®



m-GRAIN®
SEE BEYOND REALITY



Intuitive user interface

Corporate Training and Design

With zSpace, corporate presentations, training sessions, and design reviews are delivered with interactive realism. zSpace enhances the understanding of safety, maintenance, and product training in an engaging and memorable way. zSpace also accelerates design processes and increases productivity through immersive visualization in manufacturing, including aerospace and defense, transportation and mobility, and industrial equipment markets.



Application Developers

The zSpace platform brings life to applications, giving developers and their customers new opportunities for success. With support for Unity3D, Ogre, Unreal, OpenGL, DirectX, C, C++, and Java, developers are equipped to quickly port or build their own immersive applications. zSpace also offers an open source Unity3D application, zSpace Concepts, that allows developers to easily understand application development in zSpace. Join the zSpace Developer Community at developer.zspace.com.



Product Description

zSpace provides an immersive environment for users in many industries driven by the desire to create and visualize objects with immersive realism. Designed for individuals seeking the most responsive tools that go beyond conventional displays and input devices, zSpace allows users to complete complex tasks in a natural and intuitive manner.

2015 Education Package

- zSpace Studio 2015 - over 600 models, providing prepared activities in all sciences and history
- zSpace Newton's Park 2015 for building and running physics experiments
- zSpace Franklin's Lab 2015 - the properties of electricity understood through building circuits
- CyberScience 3D 2015 Edition for detailed exploration and dissection of frog anatomy to the fluorine atom
- Corinth - Engage younger students in investigation of animals, geology, and movement patterns

Features

- zSpace solutions incorporate unique software and a special zSpace display
- A zSpace display is a high-definition immersive monitor with full resolution images rendered for each eye and uses sensors to track the viewing angle of the user
- The zSpace stylus manages all interactions in the immersive spaces
- Applications include K-12, higher education, medical, design and professional training
- Development platform for creating new applications and integrating new input devices

Specifications

- zSpace display: 24 inch HD LCD (1080p/120Hz) with built-in tracking sensors
- Stylus with 3-buttons and integrated infrared LED
- Polarized passive eyewear
- 1-year warranty with option for 3-year extended program
- zSpace SDK for software developers