

wi.Live Culture

Reimagining Cultural Heritage Through XR



Wi.Live Culture revolutionizes educational and cultural exploration through immersive XR technologies by blending innovation, education and heritage. By utilizing cutting-edge technologies like XR (AR, VR, MR), we create immersive digital-virtual museums and enhanced cultural journeys. Our expertise includes content digitization, 3D modeling, virtual environments, 360° virtual tours, interactive maps, and educational virtual exhibits. From AR guides to fully interactive digital spaces, we bring history, culture and education to life, offering accessible, engaging, and innovative ways to connect with the past.

Motivation

Preservation & Accessibility

Safeguard cultural artifacts and knowledge through digital preservation

Make cultural heritage accessible to global audience, breaking barriers of geography, language, and mobility

Education & Engagement

Offer interactive and immersive learning experiences to inspire curiosity and deeper understanding

Engage younger audience by reimagining how culture is presented and experienced

Innovation in Storytelling

Leverage cutting-edge technologies to bring history to life in ways that traditional methods cannot achieve

Create immersive narratives that connect people emotionally and intellectually to culture

Sustainability & Longevity

Reduce the strain on physical artifacts and sites by providing virtual alternatives

Ensure that cultural knowledge thrives in a rapidly digitalizing world

Inclusion & Diversity

Enable participating from diverse audiences, including those with physical disabilities or limited access to cultural sites

Celebrate and share cultural diversity through innovative platforms

wi.Live Culture aims to transform cultural experiences by integrating innovative technologies to preserve, enhance, and share heritage in engaging and accessible ways.

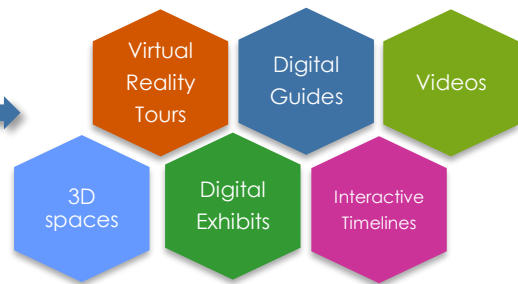
Digital transformation of cultural content



Diverse Cultural Material

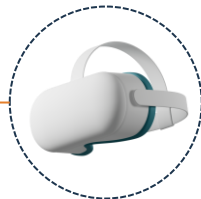
Digitization

- Collection
- Organization
- Evaluation
- Documentation



Digitization techniques

Digitization techniques, aimed at preserving and enhancing access to cultural heritage, include 3D modeling and scanning for object and environment's replication, high-quality document and photo scanning, visual enhancement, and 360° panoramic captures for immersive virtual experiences.



Applications

The applications utilize the digitized cultural content to offer immersive virtual reality tours in 3D environments or 360° panoramic collections, augmented reality guides enriched with detailed information, interactive maps and timelines to explore history, educational games and exhibits, and captivating videos, enhancing cultural engagement and learning experiences.



Digital Museums

Online portals that showcase digitized cultural content and the developed applications, offering access to collections, 3D models, virtual tours, and multimedia exhibits. With a user-friendly interface, responsive design, multilingual support, and interactive features, they ensure broad accessibility and engaging exploration of cultural heritage while preserving and promoting it globally.



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VIRTUAL REALITY TOURS



Virtual tours allow users to explore 3D virtual environments, 360° panoramic images and videos, offering immersive experiences through VR devices or web-based platforms accessible on any device. These applications present real or simulated spaces, allowing users to move within the environment, interact with exhibits, and access rich multimedia content. By offering access to areas that may not be physically reachable and combining realism with interactivity, virtual tours enhance cultural exploration, education, and engagement for a diverse audience.

Digital tour guide applications use augmented reality (AR) and augmented content display technologies to provide immersive, personalized cultural experiences. By combining the physical environment with digital content like 3D models, multimedia, and geolocation-based features, visitors can interact with exhibits in real time through their devices. With multilingual support and accessibility for both indoor and outdoor spaces, these guides enrich exploration with audio narration, interactive elements, and engaging storytelling.

DIGITAL TOUR GUIDES



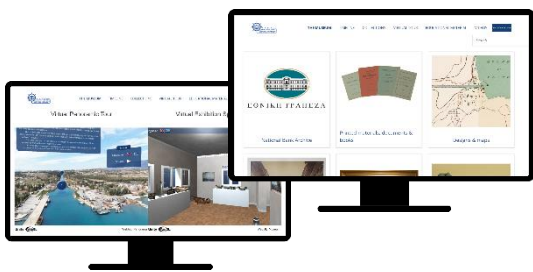
INTERACTIVE TIMELINES & EDUCATIONAL EXHIBITS

Educational games and interactive exhibits leverage gamification to make learning about cultural heritage engaging and enjoyable. Through AR, quizzes, virtual treasure hunts, and multimedia content, they encourage active participation, critical thinking, and creativity, transforming education into an interactive and immersive experience.



Interactive timeline applications allow users to explore historical events and landmarks through maps or chronological timelines. These apps provide detailed information using text, images, and interactive graphics, enhanced with animations and visual effects for an immersive experience. With intuitive touch navigation, multilingual support, and responsive design, they make history accessible, engaging, and educational for a wide audience.

VIRTUAL MUSEUMS



The virtual museum web portal is an advanced digital platform that centralizes and showcases multimedia content, serving as an interactive hub for cultural heritage. Designed for accessibility, interactivity, and inclusivity, it supports navigation through digitized collections, personalized virtual experiences, and compliance with international web accessibility standards. Features include responsive design for various devices, multilingual support, seamless social media integration, and robust data security measures. With a modular architecture, it ensures future scalability and adaptability, acting as a key resource for preserving and promoting cultural heritage online.

ABOUT WINGS

WINGS ICT Solutions provides comprehensive IoT solutions for smart cities, e-health, and public utility services, utilizing innovative technologies such as Artificial Intelligence, Big Data, advanced wireless networking, and security technologies.



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