



COMPANY PROFILE

[Metacode.sa](https://metacode.sa)

King Faisal Ibn Abdulaziz Saud 3365, Al Murabba, District, Riyadh 12612

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ABOUT US

Who are we?

Metacode is a leading provider of cutting-edge technologies, specializing in Artificial Intelligence, Virtual Reality, and Augmented Reality solutions. We help businesses harness the power of AI to improve efficiency, drive innovation, and optimize decision-making. Our expertise extends to immersive technologies such as Onboarding VR and Virtual Tours, enabling industries to create engaging and transformative experiences. By delivering tailored solutions, we empower industries to stay competitive and achieve sustainable growth in a rapidly evolving digital landscape.



Full Compliance with Cybersecurity Regulations in KSA.

On Premises AI Solutions

Metacode prioritizes cybersecurity, ensuring your data and operations are protected. We employ robust security measures and adhere to strict on-premise security requirements.

Data Privacy Compliance

We are committed to data privacy, complying with industry best practices and regulations like the SDAIA Framework for AI Adoption and CST's policies.

Scalable and Compliant

Our solutions are designed for scalability and compliance with local and global standards, ensuring your business can grow and adapt with confidence.



SDAIA

الهيئة السعودية للبيانات
والذكاء الاصطناعي
Saudi Data & AI Authority



We are complaint with

هيئة الاتصالات والفضاء والتقنية
Communications, Space &
Technology Commission



NCAI

المركز الوطني
للذكاء الاصطناعي
National Center for AI

Our Vision & Mission

Vision

To lead the transformation of human interaction with the digital world by creating immersive, meaningful, and accessible experiences that bridge reality and technology across industries and cultures.

Mission

To accelerate Saudi Arabia's Vision 2030 by delivering immersive technologies that drive innovation, empower industries, and build a smart, future-ready nation.

Our Clients



And more

Our Services



AI Virtual Guide

Multilingual



360° Photography

340 Megapixels



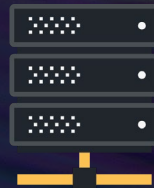
Aerial 360°

300 Megapixels



AI Immersive

Virtual Reality



Streaming Engine

Fast & Secure



AI Digital Twins

3D Conversion



Augmented Reality

Interactive Experiences



Video Production

360° & 180° VR video



Gigapixel

Ultra-Detail Imaging

Our Products



Virtual HR Onboarding

A digital onboarding process that uses VR or interactive tools to train and welcome new employees remotely, ensuring a fast, engaging, and consistent start.



Digital Heritage

The use of digital technology to preserve, showcase, and share cultural and historical assets for education, research, and public access.

Virtual HR Onboarding

Our VHR platform redefines employee onboarding by using immersive virtual environments to deliver consistent, engaging, and scalable training experiences.

This product allows organizations to introduce company culture, policies, workflows, and workspaces in a fully interactive virtual format. From virtual office tours to role-specific task simulations, VHR enhances knowledge retention and helps new employees feel connected from day one.



Digital Heritage

We specialize in digitally preserving cultural landmarks and historical narratives through advanced 3D modeling and virtual reality.

Our digital heritage products offer an interactive and educational way to explore historical sites, museums, and artifacts. By combining high-fidelity visuals with storytelling and multilingual support, we help institutions protect and share cultural assets with global audiences both now and for future generations.



Virtual museum experiences and guided tours



High-resolution 3D reconstructions of heritage sites



Interactive storytelling and educational content



Multilingual accessibility

Industries We Serve

Our immersive technology solutions adapt to diverse industry needs, providing tailored experiences and innovative outcomes.



Government



Education



Healthcare



Real Estate



Cultural
Heritage



Retail & Commerce



Corporate Training



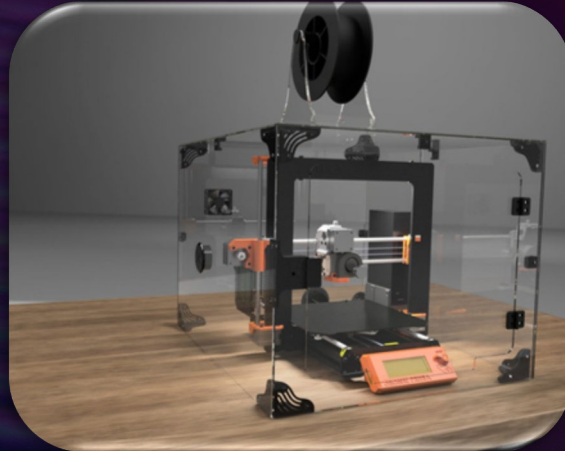
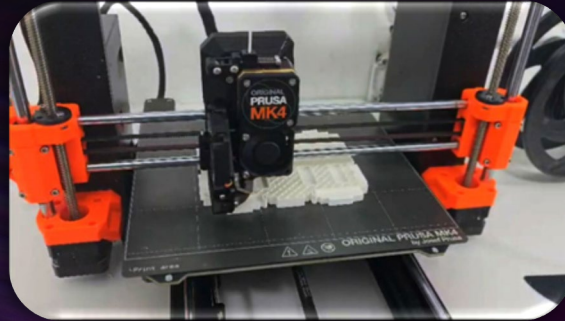
Drone 360° Photography

We ensure a successful and Great project managed by us from Start to Finish, which includes adding all possible Elements of Modern Design and Art which include us going to any length to get the best angle to make it all possible.



Digital Twins

We use high-quality 3D printers to produce precise, durable prints. Our advanced technology ensures exceptional accuracy, making it perfect for complex prototypes and intricate designs.



Photogrammetry

We use advanced photogrammetry techniques to transform images into accurate 3D models and maps. This technology allows us to capture detailed spatial data for surveying, planning, and visualization with precision and efficiency.



White Glove Service

Our VR System,

Your Branding
Your Name

Full Customization
100% Satisfaction



Server Deployment

On-Premise Deployment
Dedicated Server Engineer
Safe and Secure
Full Support



Virtual HR On-Boarding

What do we do?

On-boarding Manual

Tour of premises

Expectations from CEO

Familiarizing with the Workplace

Experience Survey

```
graph TD; A[On-boarding Manual] --- B[On-boarding VR System]; C[Tour of premises] --- B; D[Expectations from CEO] --- B; E[Familiarizing with the Workplace] --- B; F[Experience Survey] --- B; B --- G[The Digital on-boarding Experience];
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On-boarding VR System

The Digital on-boarding Experience

~~Physical~~ Onboarding Features

Virtual



Your new Talent is
One Click away from visiting you.



All your Documents,
Integrated Digitally.



A word from the CEO
Connecting employees directly.



Evaluate your
On-boarding Experience



A word from the CEO
Connecting employees directly.



Workplace Standards
Delivered Digitally



Virtual Guide for
The On-boarding Experience



Your Values
Ingrained Digitally

Designing Documents

Designing Employee Handbook according to Branding Guidelines

Development of Interactive Attractive Landing Pages

Displaying all the HR Document essentials for new employees

Changes until Satisfaction



VR for Onboarding Experience

Seamless Transition to VR
Save Time and Efforts
Fully prepare the employees
Best way to make them feel at home



Event Support for On-Boarding Launch

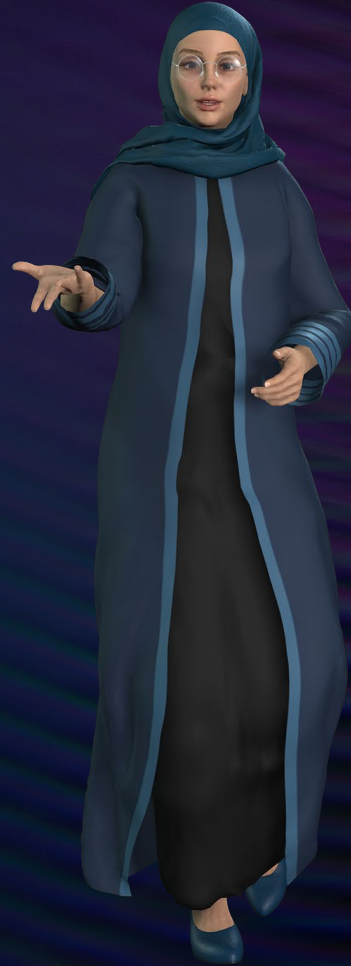
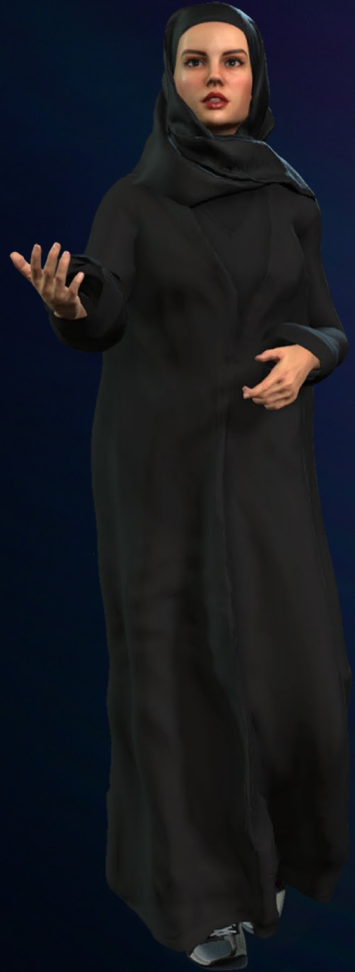


Custom Landing Page



AI Custom Virtual Assistant – a few examples

These are 3D Virtual Assistants, mimicking a more human & emotional approach.



AI Custom Virtual Assistant – a few examples

These are Siri-like Virtual Assistants, embracing a more digital transformative approach.



Multiplatform Support



Virtual Tours Portfolio

Immersive Tours Portfolio



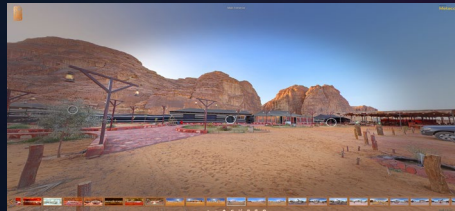
د سليمان الحبيب
DR SULAIMAN AL HABIB
المجموعة الطبية
Medical Group



المدينة الملكة
للجبل والينبع
Royal Commission for Jubail & Yanbu



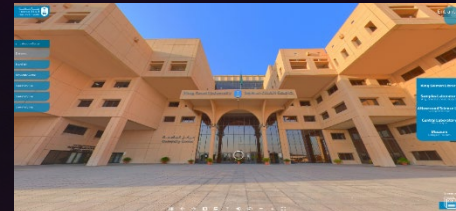
الأول بارك
ALAWWAL PARK
جامعة الملك سعود
King Saud University



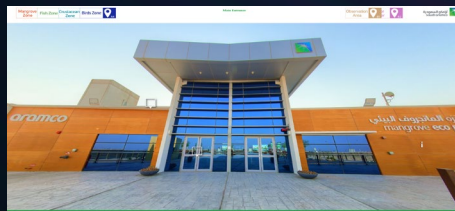
الأحلام
ALULA



عبد السامد القرشي
Abdul Samad Qurashi



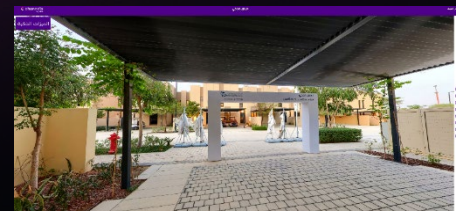
جامعة الملك سعود
King Saud University



أرامكو السعودية
saudi oramco



الهواصفات السعودية
Saudi Standards



channels
by stc

And 100 more +

Employee Virtual On-Boarding Portfolio



channels
by stc



 **MINISTRY OF COMMUNICATIONS
AND INFORMATION TECHNOLOGY**

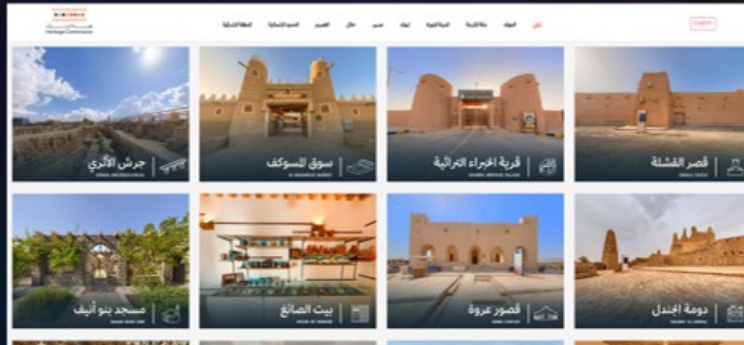


CST **هيئة الاتصالات والفضاء والتقنية**
**Communications, Space &
Technology Commission**

Contact us for Demo

20+

Digital Heritage Preservation Portfolio



هيئة التراث
Heritage Commission

وزارة الثقافة
Ministry of Culture



وزارة الثقافة
Ministry of Culture



وزارة الثقافة
Ministry of Culture

20+

Interactive Room for KSU For Students & Visitors in Education Sector



Final testing and planned launch



VR Application Development

VR Experience

For Investors & Visitors



Virtual Reality Launched at Equestrian Club by HRH Prince Bandar bin Khalid Al Saud

VR PORTFOLIO

Project Showcase: Web VR Experience for Gas Station Employee Training

Project Overview

Client: Ministry of Energy

Project Type: Web VR Experience

Platform: PC

Description

METACODE developed VR training simulation for the Ministry of Energy, designed to teach users how gas stations operate, including fuel dispensing, equipment handling, emergency shutdowns, and safety protocols. The experience replicates real-life scenarios and includes interactive elements, guided tutorials, and multilingual support.



Project Showcase: VR Experience for Manifa Petroleum

Project Overview

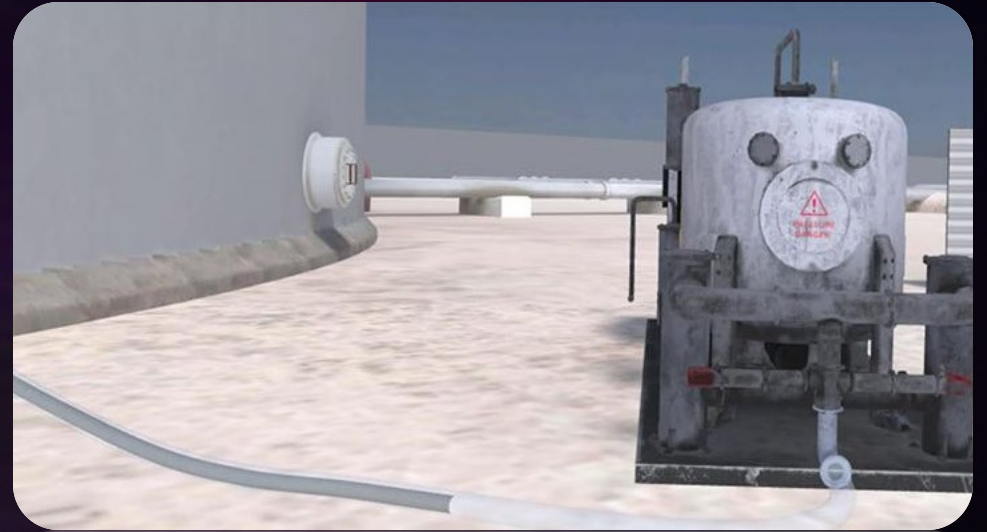
Client: Manifa Petroleum

Project Type: Virtual Reality Experience

Platform: Oculus Quest 3

Description

METACODE developed an immersive VR experience for Manifa Petroleum, Highlighting their patented Blabo@ tank cleaning process. The project included Creating 3D models, animations, sound design and voice-over, delivering a Comprehensive educational tool.



Project Showcase: VR Experience for King Abdulaziz Royal Reserve

Project Overview

Client: King Abdulaziz Royal Reserve

Project Type: Virtual Reality Experience

Collaboration: Oliver and Wayman Riyadh

Voice-over: Sir David Attenborough

Description

METACODE developed a captivating VR experience for King Abdulaziz Royal Reserve. The experience, narrated by Sir David Attenborough, educates visitors about the reserve, highlighting its significance and the importance of preserving natural reserves in Saudi Arabia.



Project Showcase: Formula 1 Saudi Arabia VR and AR Activations

Project Overview

Client: Ministry of Sports, Saudi Arabia

Project Type: VR and AR Activations

Collaboration: Muffeed Co.

Event: Formula 1 Saudi Arabia, Jeddah

Description

METACODE developed multiple VR and AR activations for the first Formula 1 event in Saudi Arabia, held in Jeddah. The goal was to raise awareness and engage the public with

immersive and interactive experiences.



Project Showcase: 3D Animation for Dubai Aquarium LED Screen

Project Overview

Client: Dubai Aquarium

Project Type: 3D Animation

Screen Size: 70 meters x 40 meters

Pixel Count: Over 17,000 pixels

Collaboration: Bluerhine Industries

Description

METACODE developed a high-resolution 3D animation for one of the largest LED screens in the Middle East, located at the Dubai Aquarium. The project featured an underwater scene designed to captivate the audience with its stunning visuals.



Project Showcase: Decontamination Process VR Experience

Project Overview

Client: National Gaurds Saudi Arabia

Project Type: VR Simulation

Collaboration: Voxel 3D

Description

METACODE developed a VR training experience for the National Guard of Saudi Arabia, focusing on the decontamination process in cases of nuclear, chemical, or other hazardous contaminations. This interactive VR tour provides soldiers with a step-by-step guide on how to properly decontaminate themselves, including the necessary precautions and procedures to ensure their safety. The immersive training environment enhances learning and retention, preparing soldiers for real-life scenarios with high fidelity and accuracy.



Project Showcase: Hajj VR Experience

Project Overview

Client: Education Solutions

Project Type: VR Experience

Description

METACODE developed a VR experience for Hajj, allowing users to learn and understand the steps required to perform Hajj. The project included creating detailed 3D assets of the Holy Mosque and other significant locations pilgrims visit during Hajj. Developed in Unreal Engine, the experience delivers high-quality graphics and realism, providing an immersive and educational tool for users.



Project Showcase: Interactive Aquarium Solution for Suleman Al Habib Hospital

Project Overview

Client: Faden Media and Suleman Al Habib Hospital, Riyadh

Project Type: Interactive Application

Platform: Unity3D

Technology: ZED2 Camera Sensors

Description

METACODE developed an interactive aquarium application for Suleman Al Habib Hospital in Riyadh.

The application, designed to work with a 10-screen video wall, features an innovative experience where fish follow a person walking in front of the screens.

Utilizing Unity3D and ZED2 camera sensors, the application leverages state-of-the-art object tracking powered by AI to create an engaging and interactive environment for visitors.

This project highlights METACODE's ability to integrate advanced technologies and deliver captivating interactive solutions for various settings.



Project Showcase: AL Ulla VR Experience

Project Overview

Client: Ministry of Culture

Project Type: VR Experience

Collaboration: Mufeed Co.

Description

METACODE developed a VR experience for Al Ula Hegra site, allowing users to visit the historical sites using VR. The project included creating detailed 3D assets of the Al-Fareed Palace and other significant locations. Developed in Unreal Engine, the experience delivers high-quality graphics and realism, providing an immersive tour for users.



Project Showcase: Islamic University of Madinah Education Portal VR

Project Overview

Client: Islamic University of Medina

Project Type: VR Experience

Description

METACODE developed an innovative VR education portal for the Islamic University of Madinah. This portal allows students to log in using their student ID, select a program, and enter a VR environment to learn about various subjects. One of the key modules developed was an immersive experience explaining the theory of general relativity. This module takes users into space, allowing them to visualize gravity and its effects, enhancing their understanding of complex scientific concepts through interactive and immersive learning.



Project Showcase: Battle of Uhud VR Experience

Project Overview

Client: Islamic University of Medina

Project Type: Virtual Reality Experience

Platform: Unreal Engine

Description

METACODE created a VR experience for the Battle of Uhud, designed to educate users about the strategies used by the Muslim army, key statistics, and the historical significance of the battle. Users can explore the ancient city of Medina and the battlefield, experiencing a detailed simulation of the battle. Developed in Unreal Engine, this VR experience provides high-quality graphics and a deeply immersive learning environment, bringing history to life in an engaging and interactive way.



Project Showcase: VR Training for South City Hospital

Project Overview

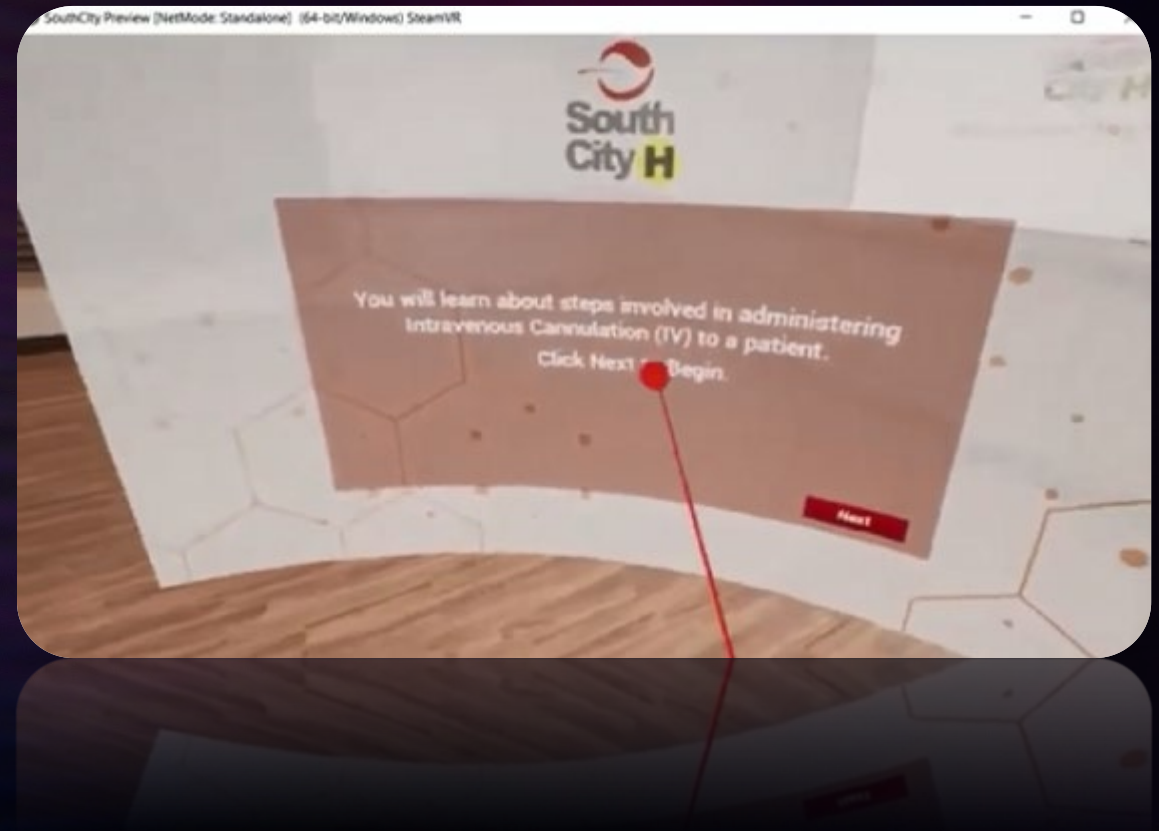
Client: South City Hospital

Project Type: Virtual Reality Experience

Platform: Unreal Engine

Description

METACODE developed a VR simulation for South City Hospital, focusing on training nurses in IV administration and CPR protocols. The immersive training programs allow nurses to practice IV insertion and learn the necessary protocols in a controlled, virtual environment. Additionally, the CPR training module provides step-by-step guidance on performing CPR, enhancing the nurses' skills and confidence. This VR simulation ensures high-quality, hands-on training, improving the proficiency and readiness of the medical staff.



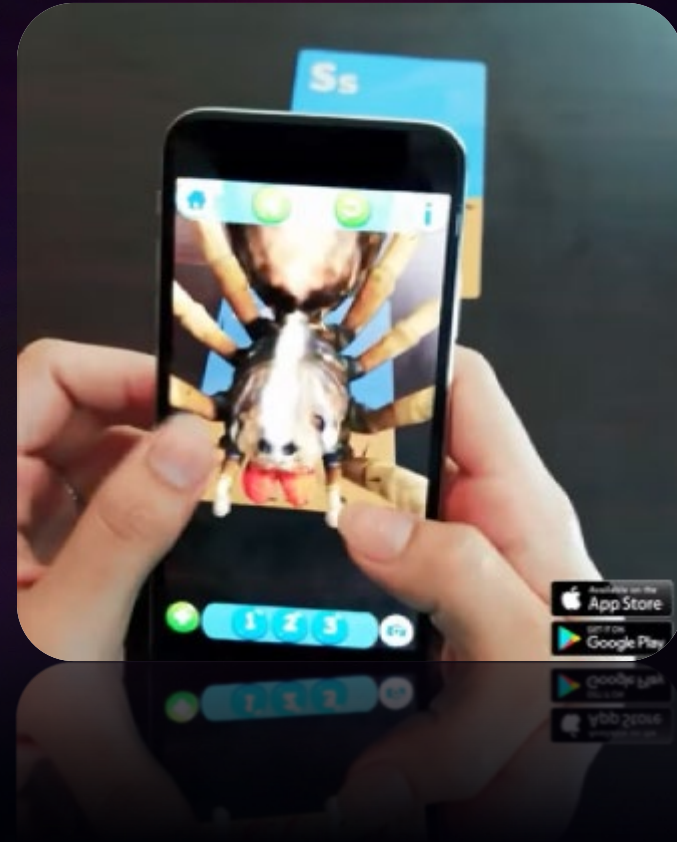
Project Showcase: Animal Live 3D

Product Overview

Product Type: Augmented Reality

Description

METACODE developed Animal Live 3D, an immersive Augmented Reality (AR) experience that allows users to view a variety of animals in their environment. With Animal Live 3D, users can interact with 3D models of animals, exploring their unique characteristics, sounds, and behaviors. The app features a multi-language option, displaying animal names in various languages, making it an educational tool for users across the globe. Additionally, the app provides basic information about each animal, including their diet, habitat, and interesting facts, enhancing the learning experience. Whether in a classroom setting or at home, Animal Live 3D brings the animal kingdom to life in a fun and engaging way, offering an interactive and informative way to connect with wildlife.



Project Showcase: Lughaty 3D

Product Overview

Product Type: Augmented Reality

Description

METACODE developed Lughaty 3D, an innovative Augmented Reality (AR) app designed to help users learn and explore new languages in an interactive and engaging way. Lughaty 3D offers users the opportunity to view 3D models of objects, animals, and scenes while learning their names in multiple languages. With this immersive experience, users can hear the correct pronunciations and see the words displayed in real-time, enhancing vocabulary acquisition. The app also provides translations, phonetic guidance, and context-based usage for each word, creating a deeper understanding of the language. Lughaty 3D transforms language learning into a fun and effective experience, making it perfect for learners of all ages who want to expand their linguistic skills in a visual and engaging way.



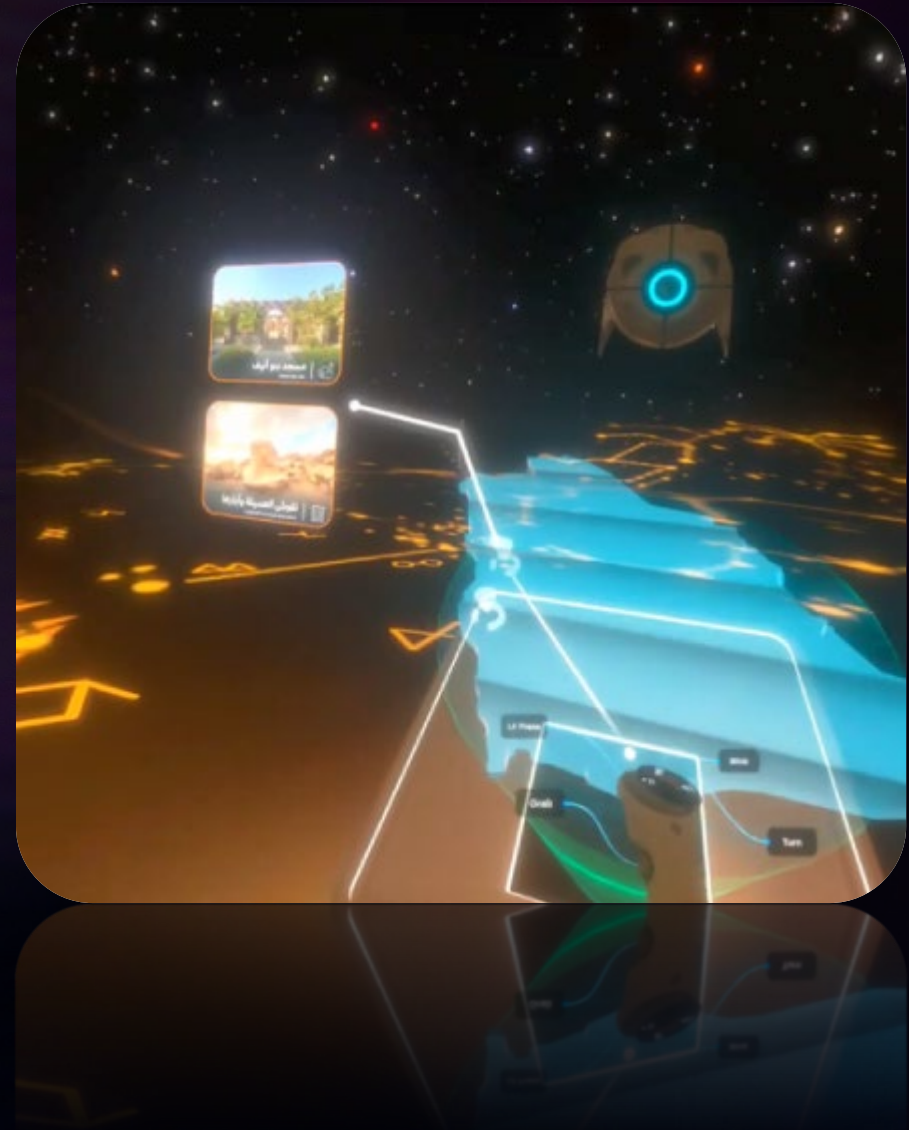
Project Showcase: MOC Heritage - Verse

Product Overview

Product Type: Augmented Reality

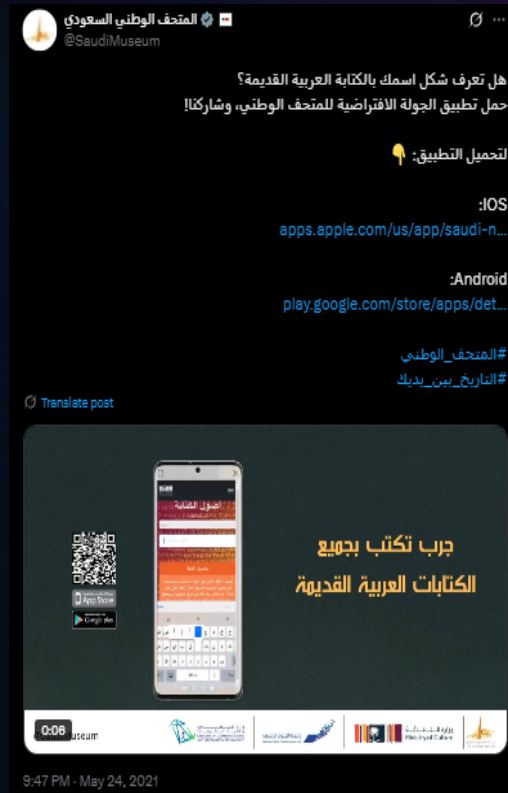
Description

METACODE developed MOC Heritage - Verse, an immersive virtual experience that transports users to 16 different heritage sites, allowing them to explore and experience rich cultures and histories. This innovative platform offers a dynamic way to visit and learn about these iconic locations, offering users the freedom to navigate through sites with a kiosk feature for easy site selection. Upon entering, users are greeted by a traditional Saudi lounge (majlis) set in a desert landscape, with holographic camels enhancing the atmosphere. MOC Heritage - Verse brings heritage to life, providing an interactive, educational experience that bridges the past with the future, all while celebrating Saudi Arabia's rich cultural legacy.



DIGITAL MEDIA PRESENCE

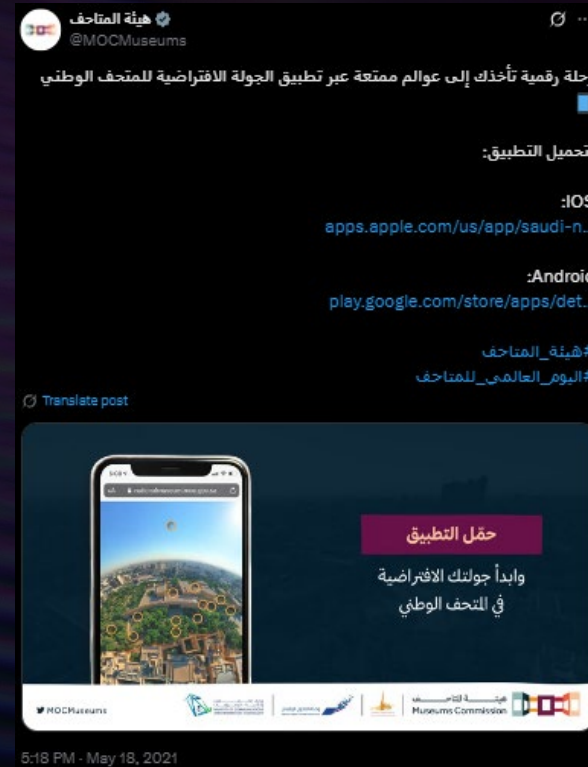
Highlights



Highlights



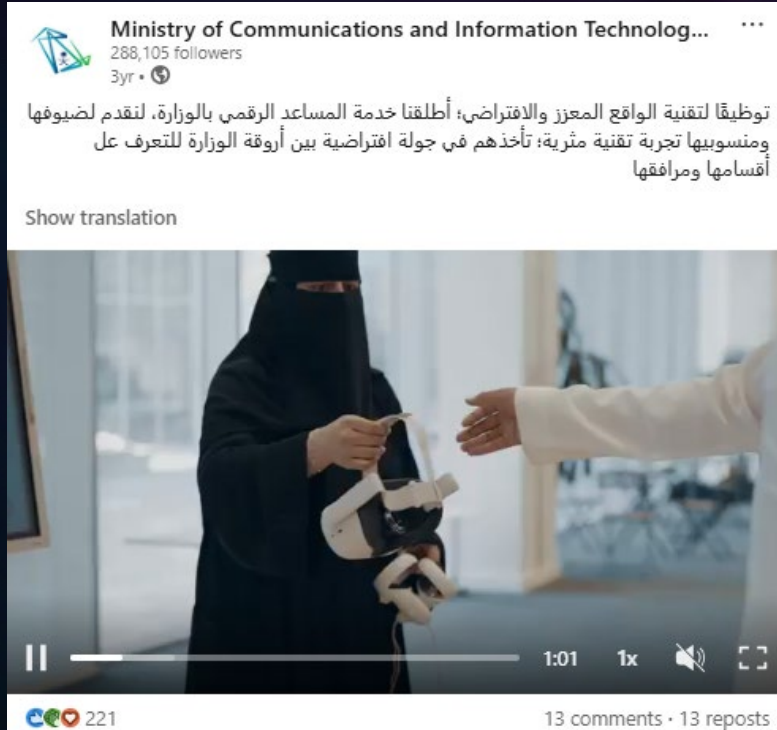
Highlights



Highlights



Highlights



Contact Information

Metacode is committed to delivering a cutting-edge virtual tour experience that enhances how organizations showcase their spaces and engage with their audience. By leveraging immersive technologies, we create solutions that provide seamless navigation, highlight key features, and leave a lasting impression on employees, visitors, Tourists, and stakeholders alike.

For any inquiries or further information about this exciting project, please contact:

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Metacode
WHERE INNOVATION MEETS EXECUTION

Thank You