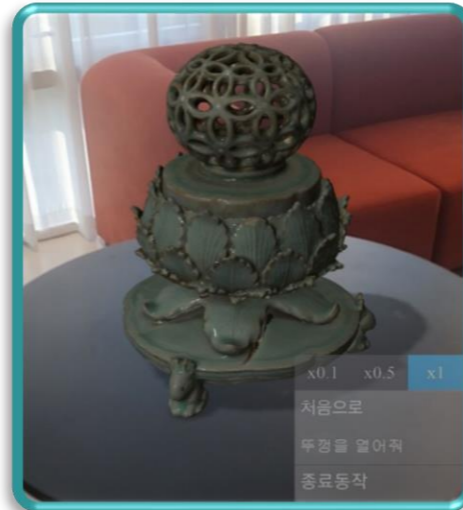


XRShowroom Intorduction

2025.01.22



XRShowroom



XRService



3D BANK

(주)쓰리디뱅크 Tel. 1899-3091
대표 김동욱 (010-5507-9884)
E-mail linesync@naver.com
홈페이지: www.3dbank.kr
XR platform: www.3dbank.xyz

Contents

1. Challenges to Solve
2. Solution Introduction
3. Edutech Demonstration
4. Expected Outcomes



1. Challenges to Solve

Web Service









As-is **Homepage** offers only **arranging service** with photos & video

Current Homepage

문화재목록 이미지 동영상 도면

총 15086건의 자료가 검색되었습니다. (부속문화재 포함)

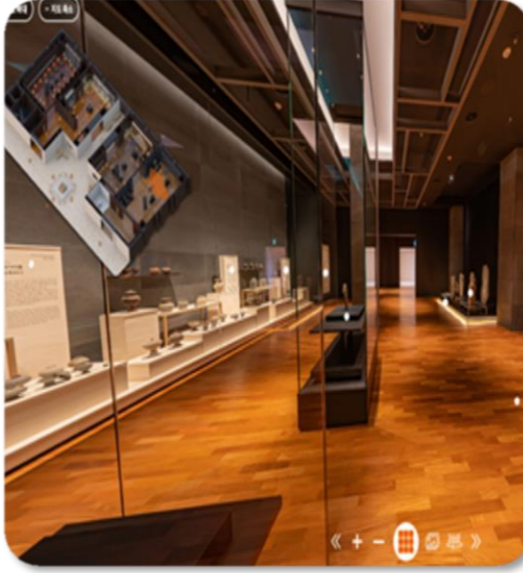
조희건수 가나다순 지정일순

 <p>국보 서울 송례문 (서울 崇禮門)</p>	 <p>국보 서울 원각사지 십층석탑 (서울 圓覺寺址 十層石塔)</p>	 <p>국보 서울 북한산 신라 진흥왕 순수비...</p>	 <p>국보 여주 고달사지 승탑 (驪州 高達寺址 僧塔)</p>
 <p>국보 보은 법주사 쌍사자 석등 (報恩 法住寺 雙獅子 石燈)</p>	 <p>국보 충주 탑평리 칠층석탑 (忠州 塔坪里 七層石塔)</p>	 <p>국보 천안 봉선홍경사 갈기비 (天安 奉先弘慶寺 碣記碑)</p>	 <p>국보 보령 성주사지 대당혜화상탑비 (保寧 聖住寺址 大朗慧和...)</p>

Listed Web Service

360 VR Service


Exhibition Hall Manager



New Space -> **New Creation**

Exhibts are only available for photos & video

Visitor



View only the space **without exhibits**

What if a **virtual space** is created where 3D data could be displayed on a web page

1. Challenges to Solve

The Necessity XR Experiences Overcoming the limitations of physical services through 3D exhibitions & XR experiences

Real-World Service



(Lack of realism)



(1-person service)



(Flat, not for display)



(Need for teaching aids)

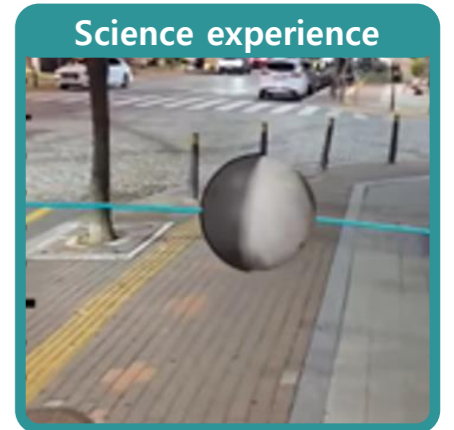
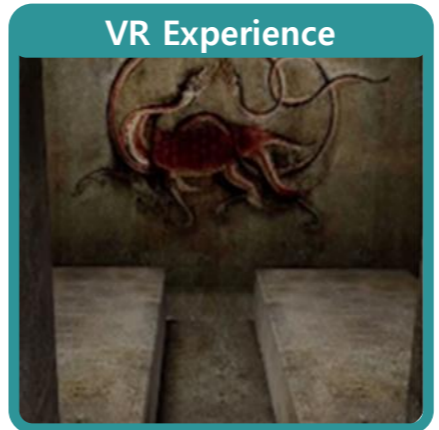


(No free viewing)



(Isolated animal)

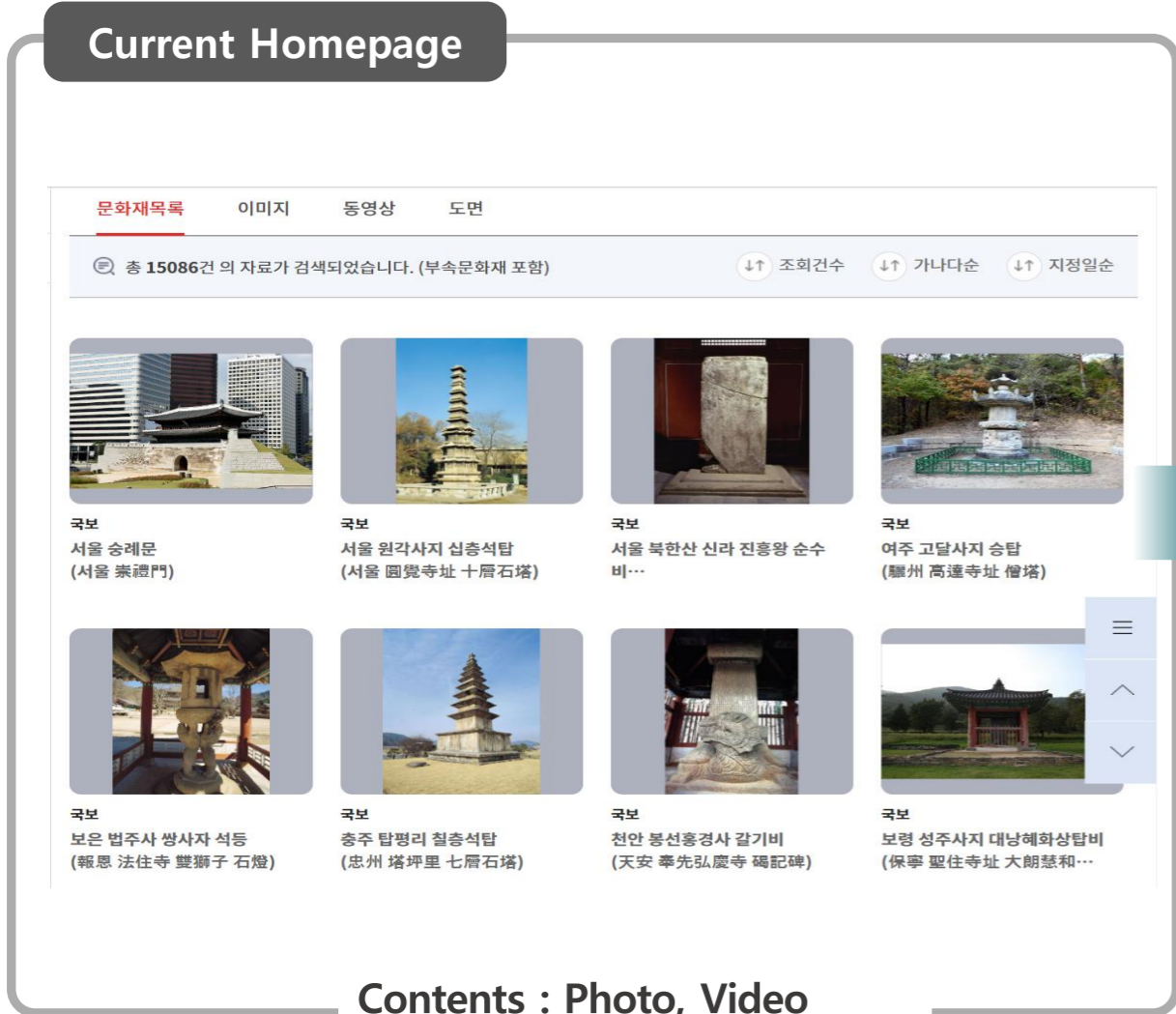
XR Experiences



2. XRShowroom Introduction

XRShowroom

Provide a 3D space to display on a flat webpage



Contents : Photo, Video Listed Service on a Flat

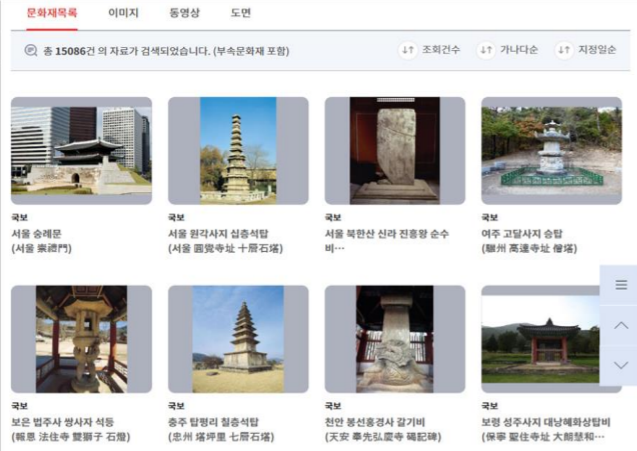




100% Free Movement

Contents: 2D Contents (Photo, Video), 3DData Exhibition Service in 3D Space

2. XRShowroom Introduction

Comparison of XR Service all-in-one XR service that improves the drawbacks of current web services, AR, & VR, while merging their strengths

AS IS	Comparison of Current Service		
	Web Service	Augmented Reality(AR)	Virtual Reality(VR)
Image			
Features	Digital Contents	Virtual Experience in Real Space	Virtual Experience in Virtual Space
Disadvantage	Simple Listing(Not for Display)	1 Person Service(App Installation)	1 Person Service(Device Required)



3DBANK	XRShowroom
Features	Web-Based 3D Virtual Space Exhibition, Available on All Websites
Advantage	3D Virtual Space Exhibition + Simultaneous AR / VR Content Experience

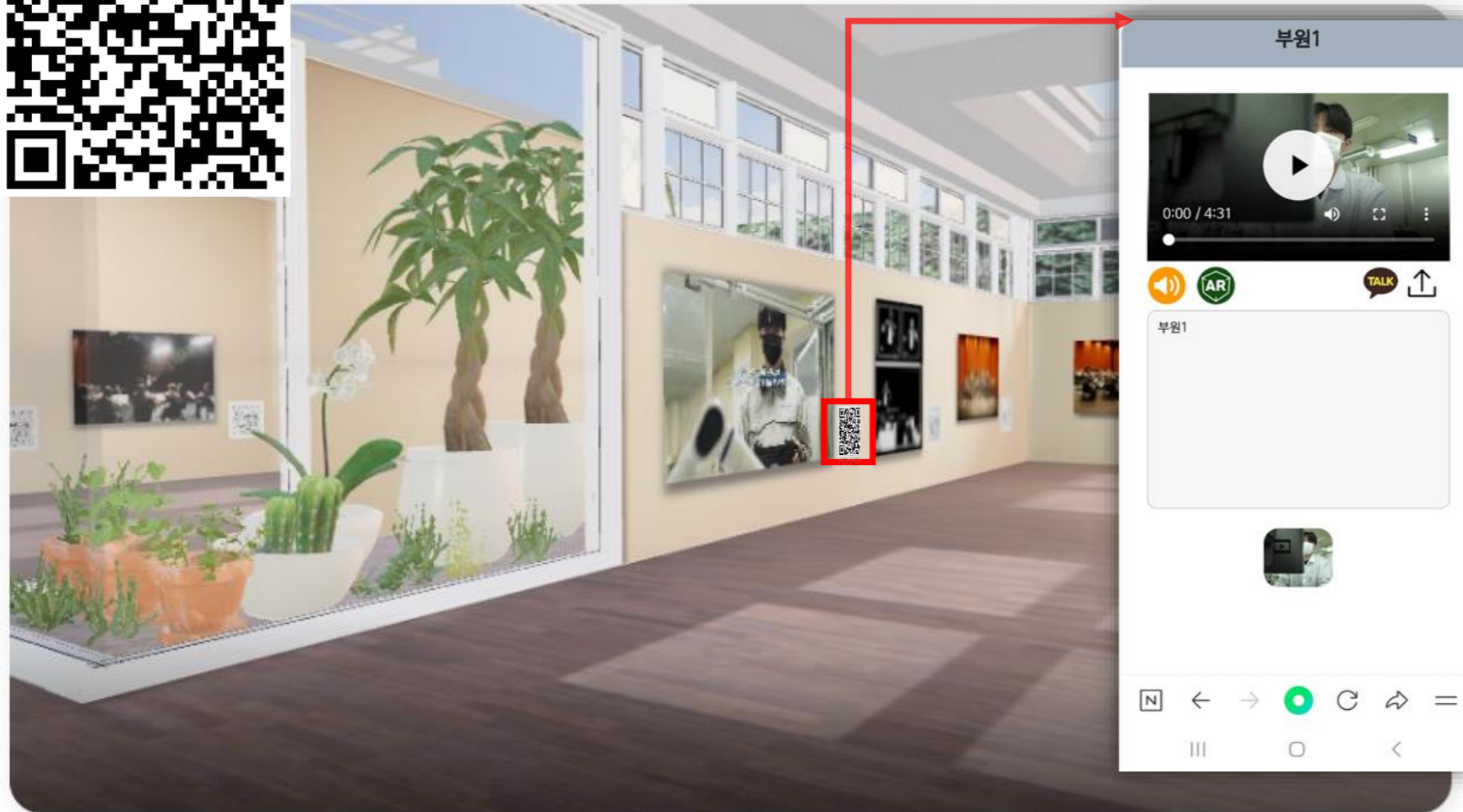
2. XRShowroom Introduction

XRShowroom-Exhibition

XR service for displaying photos, videos, PDFs, and 3D data in a 3D space



<https://www.3dbank.xyz/museum/3dExhibition.jsp?idx=1212>



2023년 부원고 학생작품전시회

전시 기간 : 상설 전시

공개구분 : 일반공개 전시유형 : 미술관(2D)

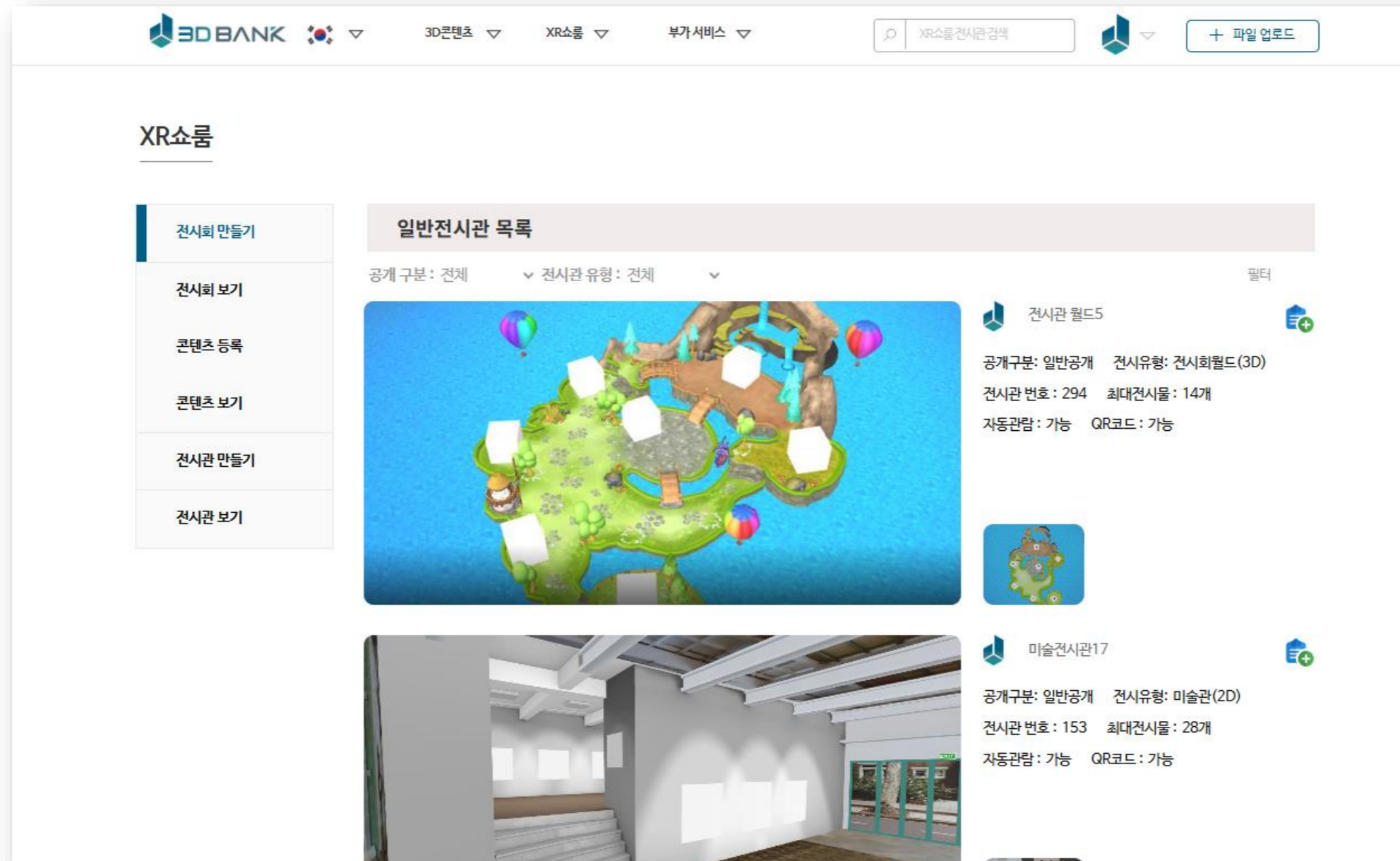
전시 번호 : 1209 전시물 : 22개

2023년 부원고 학생작품전시회 입니다.



2. XRShowroom Introduction

XRShowroom StartPage Easily choose a 3D template space for display



2. XRShowroom Introduction

XRShowroom Term



- Create an Exhibition** : Create an exhibition using a selected template from the exhibition hall template list
- View Exhibition** : View the list of created exhibitions
 - exhibition can be edited
- Register Content** : Register content(photos & videos) for display in the exhibition
 - 3D content is uploaded via the file upload feature on the main page
- View Content** : View the list of photos/videos I've uploaded
 - Content uploaded by an individual can be edited
- Create an Gallery** : Register a template gallery
- View Gallery** : View the list of gallery templates to create an gallery
 - registered gallery can be edited

3. XRShowroom Feature



Mobile Optimization

Providing free view and movement using mobile sensors

When looking up with a mobile



When looking straight ahead with a mobile

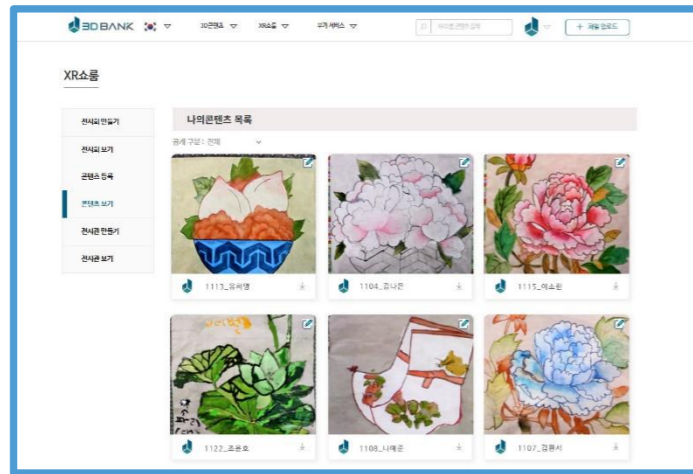


When looking down with a mobile

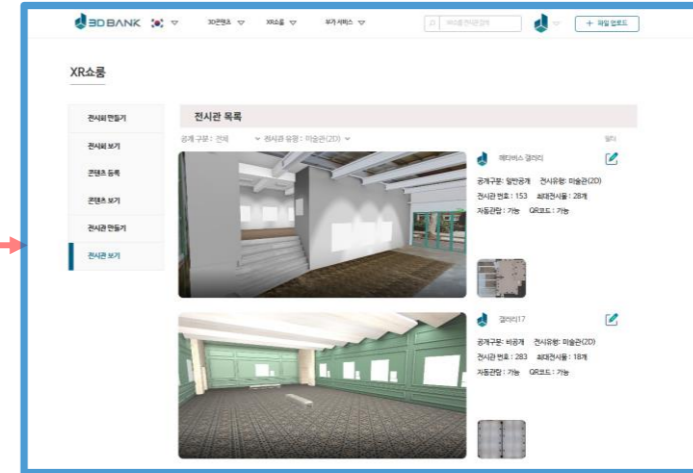


3. XRShowroom Feature

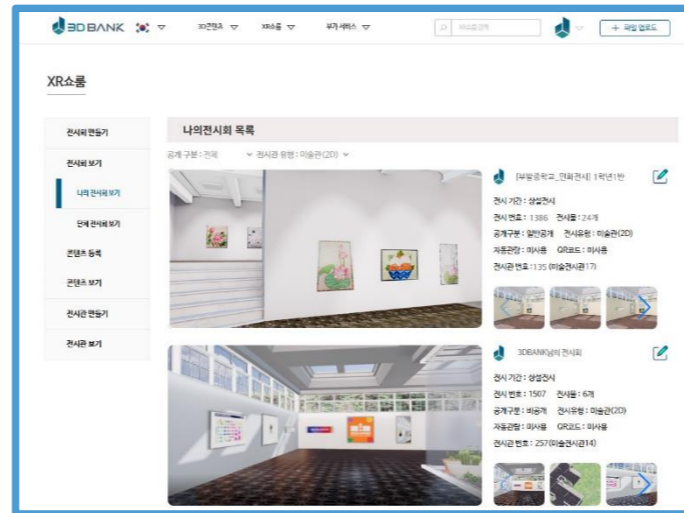
Easy Exhibition Setup Personalize a metaverse exhibition by placing content in template exhibition halls



Register your content



Select a template exhibition hall




Create an exhibition(place content)


3. XRShowroom Feature


XRService Offering Fun with diverse XR content displayed in virtual spaces in the real world

Fun HoloMagic




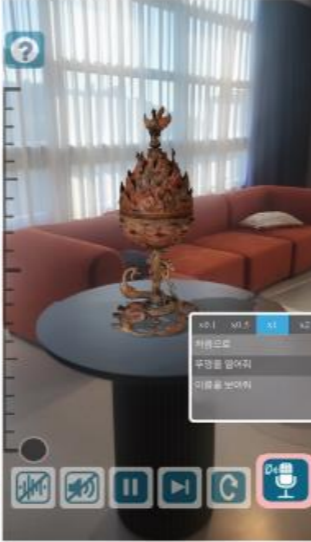
Smart Dog
It understands well when you speak through the microphone






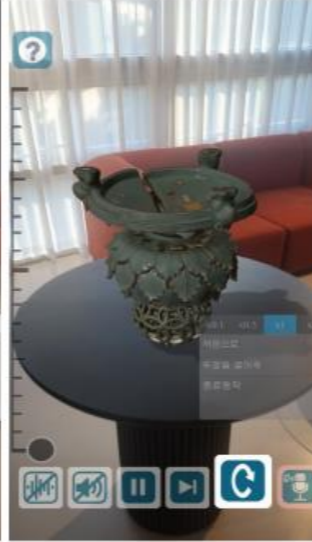
Become queen
Try wearing it with the crown up






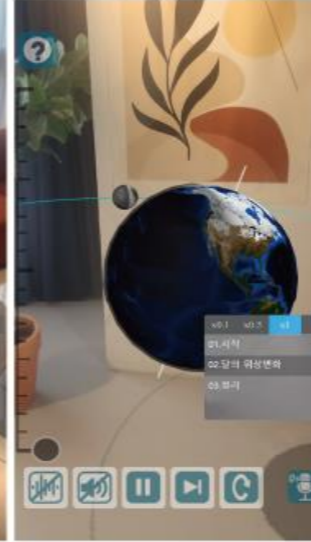
Essence of ancient culture
You can open the lid of the Artifacts and see inside!






The underside of the national treasure
The bottom of this precious national treasure is damaged

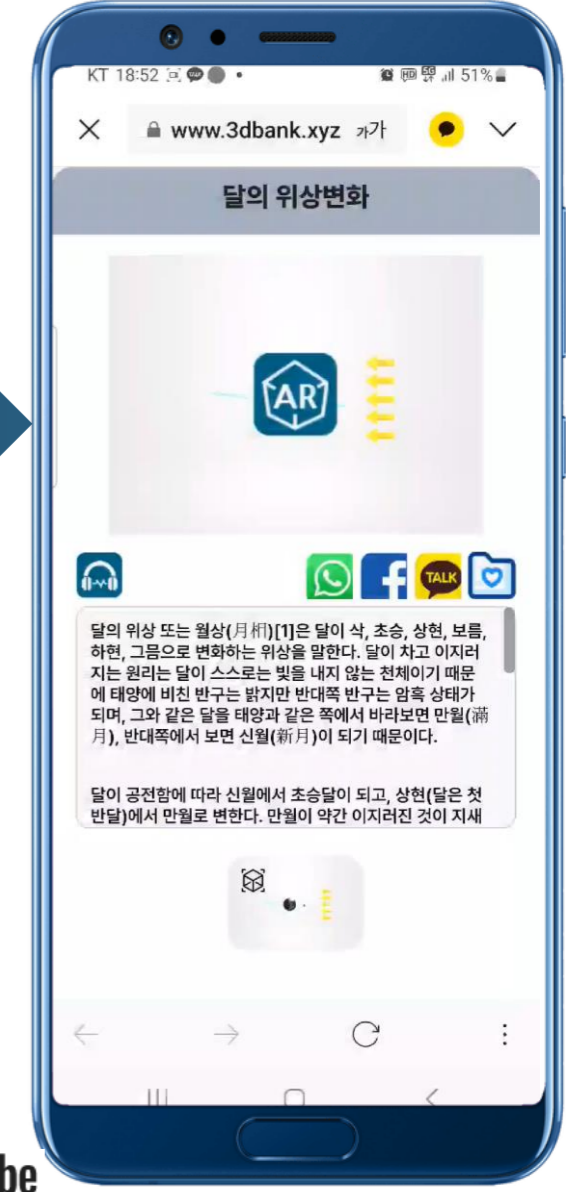




Phases of the Moon
The principle behind the first quarter and last quarter moon phases



 **YouTube**
<https://www.youtube.com/shorts/QBUqkElkgC8>

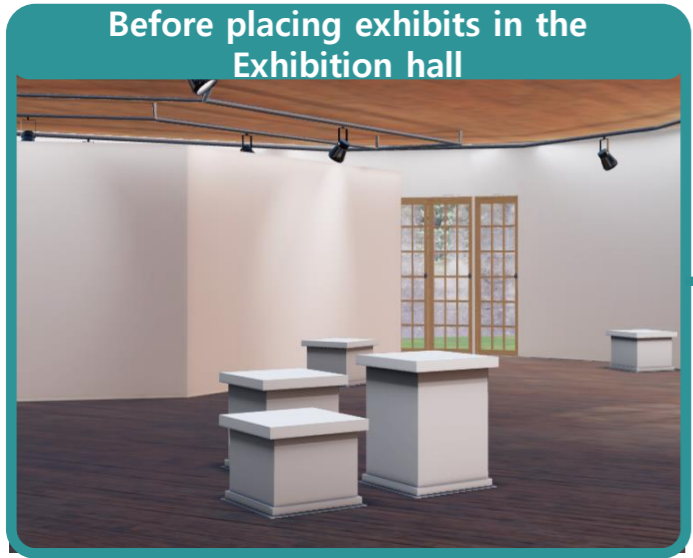


3. XRShowroom Feature

XRShowroom Technology

XR exhibition service providing 3D spaces on flat web pages

Create personalized exhibitions using template halls



AR

Enjoy original quality in virtual spaces



Ex: Cheonma-do original size (7M)

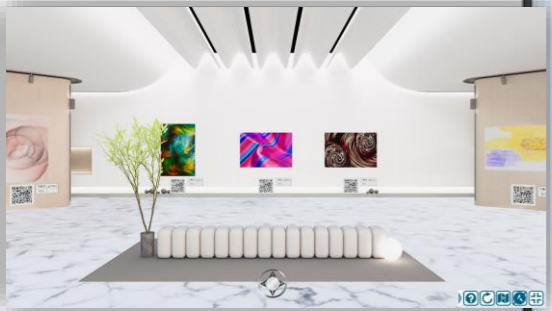
3. XRShowroom Feature

Metaverse Multi-Exhibition

Multi-exhibition that connects multiple single exhibitions into a unified collection

Exhibition Hall World_City

Exhibition Gate
Directly move to the exhibition by passing through the gate inside the exhibition



- 전시회월드_박물관
- 아외체험관-초원
- 아외체험관-사막
- 아외체험관-아쿠아리움
- 미술전시회10
- 미술전시회4
- 2023년 아천제일고등학교...
- [미술, 나를 만든다] Me:...

Menu Bar
Instantly navigate to the exhibition through the menu bar at the top-right corner



Multi-Linking
Connect multiple other multi-exhibition halls within a single multi-exhibition hall

<https://www.3dbank.xyz/museum/3dExhibition.jsp?idx=1282>

3. XRShowroom Feature

Service Competitiveness XR Service that displays **virtual exhibits** in real-world spaces

Patent(No.10-2616792) **Device and Method for Creating a Metaverse Exhibition Using 3D Virtual Exhibition Hall Templates**

General Metaverse(ZE**TO)



Virtual Space	
Communication Service	Exhibition Service
Real-World Person -> Avartar	Virtual-World Exhibition -> Real-World Exhibition
App Service (Installation Required)	Web Service
Not Available on the Web	Available on the All Webs
No XR Service	XR Service
Cannot Link Offline	Experience Service via QR

XRShowroom



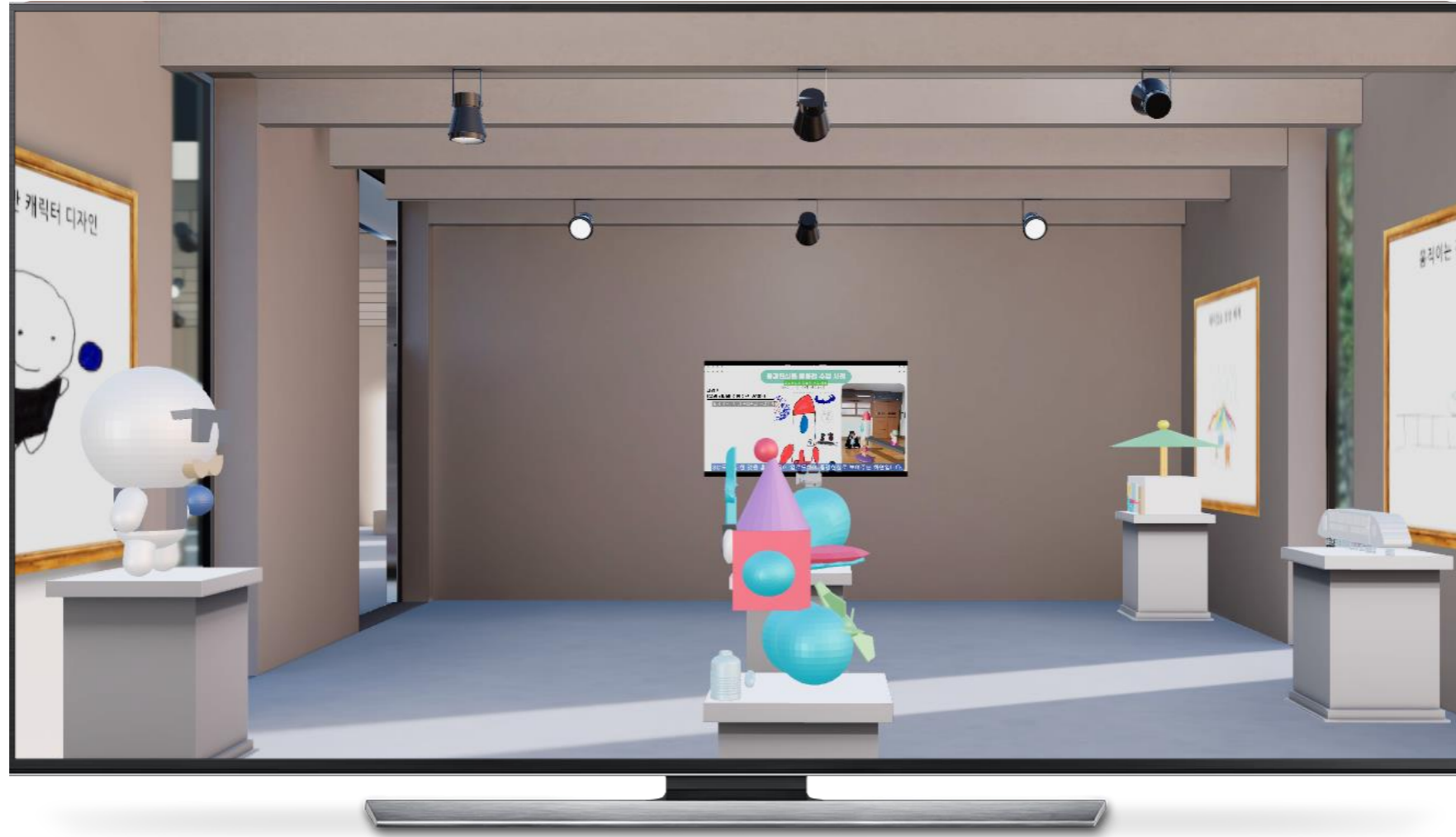
Winner of the Excellence Award at the 9th Cultural Data Utilization Contest

4. XRShowroom Example

Exhibition of Works

Displaying student-created photos/Videos/3D Data in Virtual Space

Elementary School Art Exhibition - Art, Practical Science



YouTube <https://www.youtube.com/watch?v=mvp8HyBkH14>

4. XRShowroom Example

Experience Activity Exhibition 3D exhibition of student's activities captured in photos or videos



2023 National Special Education e-Festival



 **YouTube** <https://www.youtube.com/watch?v=nOg53HdcqHM>

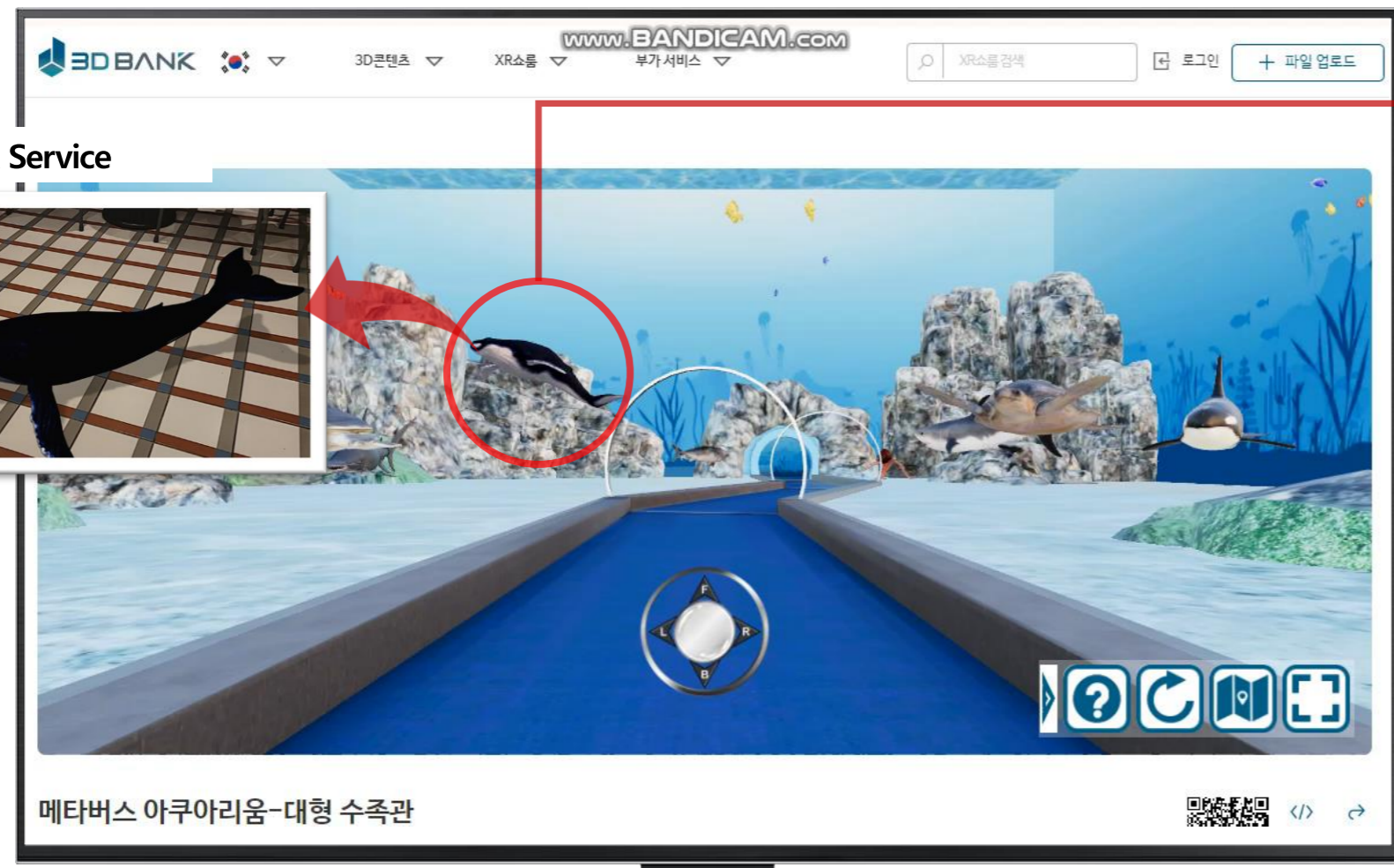
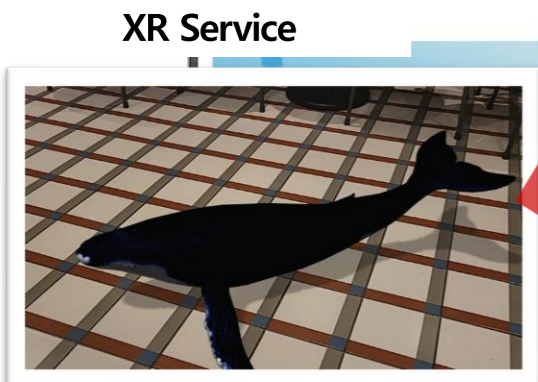
4. XRShowroom Example

Field Experience Alternative Experience aquarium fish in AR, as if visiting a large aquarium



Share on KakaoTalk

View Stamp



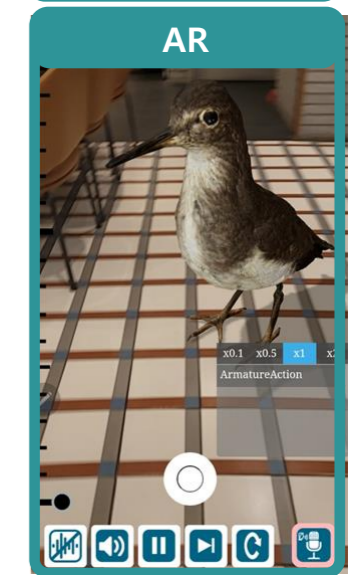
YouTube https://www.youtube.com/watch?v=v-l8QVze_il

4. XRShowroom Example

Dokdo Experience Hall

A 3D exhibition of 28 species living in Dokdo, with QR scan for interactive experince

XR Dokdo Experience Hall



<https://www.koreaitimes.com/news/articleView.html?idxno=133519>

<https://www.3dbank.xyz/museum/3dExhibition.jsp?idx=248>

4. XRShowroom Example

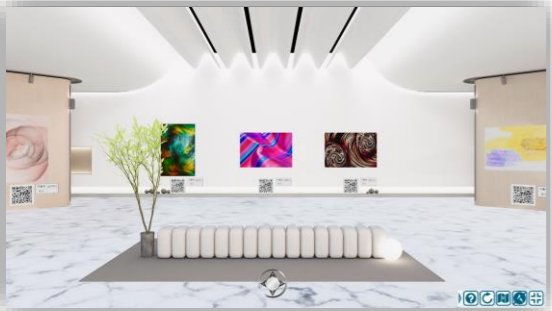
Metaverse Expo

A 3D multi-exhibition similar to an offline exhibition



Exhibition Hall World_City

Exhibition Gate
Directly move to the exhibition by passing through the internal gate of the exhibition



Menu Bar
Access the exhibition directly from the menu bar at the top right

- 역사_박물관1
- 생물_박물관2(QR자동주...
- 전남오룡초등-작품전시
- 3DBANK
- 2023년 이천제일고등학...
- [부발중학교_민화전시] 1...
- 2023년 부원고 학생작품...
- [부발중학교_민화전시] 1...
- 야외체험관-생태공원
- 야외체험관-유적지
- 야외전시관-독도
- 야외체험관-미래공간
- 야외체험관-주라기공원
- 야외체험관-아쿠아리움

4. XRShowroom Example

XR Zoo

Metaverse XR Zoo with 8 themed Exhibits



전시회월드_야외전시관



전시 기간 : 상설전시

전시 번호 : 1508 전시물 : 14개

공개구분 : 일반공개 전시유형 : 전시회월드(3D)

자동관람 : 미사용 QR코드 : 미사용

전시관 번호 : 294(전시관 월드5)



3D BANK



Metaverse Multi-Exhibition



Forest Animals



Desert Animals



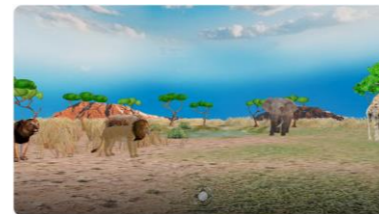
Jurassic Park



Polar Animals



Mountain Animals



Savannah Animals



Riverbank Animals

Providing 3D exhibitions and 『XRService』 on a flat webpage

XRShowroom

XRShowroom



XRService

