COMPANY PROFILE

SIMSREALITY

SIMULATION & REALITY

Connect space and experience with
new dimensions of technology

SIMSREALITY

MAKE YOU REALITY BASED METAVERSE SPACE

Contents

SIMSREALITY ●●●

SIMSREALITY is a compound word of Simulation and Reality, which means to make virtual and reality into one world.

SIMSREALITY is a metaverse software development company located in Daedeok Special District (INNOPOLIS), Daejeon Metropolitan City.

"We are developing technologies to bring reality and virtuality into one world, with the vision of "Connecting space and experience with new dimensions of technology", and will do our best to serve the world's best Metaverse World.

"

We will give a

new impression

through **humanity**,

technology,

and **experience**.

•••

MESSAGE FROM THE CEO

"Our value and goal is to provide completely new services
so that our daily lives can move toward a better future through
future technology that we have never experienced."

"SIMSREALITY will fully connect the joy of reality to tthe virtual world and
provide an experience that can satisfy customers through corporate value."

Corporate Name	SIMSREALITY Co., Ltd.
CEO	Kim Myeonghwan
Date of establishment	January 1, 2018

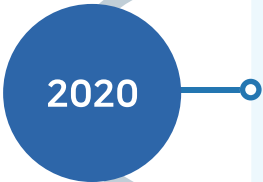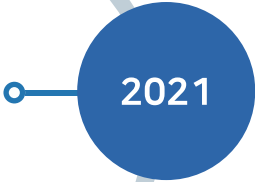|	
Location	Room 715, C-dong 17, Techno 4-ro, Yuseong-gu, Daejeon (Research Center) Room 617, C-dong 17, Techno 4-ro, Yuseong-gu, Daejeon (Business Department) TEL +82-042-934-1801 / FAX +82-042-934-1802

COMPANY INTRODUCTION •••

2018
- 01 Establishment of SIMSREALITY Co., Ltd.
- 01 Declaration of Software business operator
- 01 8th Youth Entrepreneurship Academy
- 04 Certification of venture companies
- 04 Certification of excellent technology companies
- 07 Establishment of SIMSREALITY R&D Center

2019
- 01 Selection of Industry-Academic Cooperation Companies of Woosong University
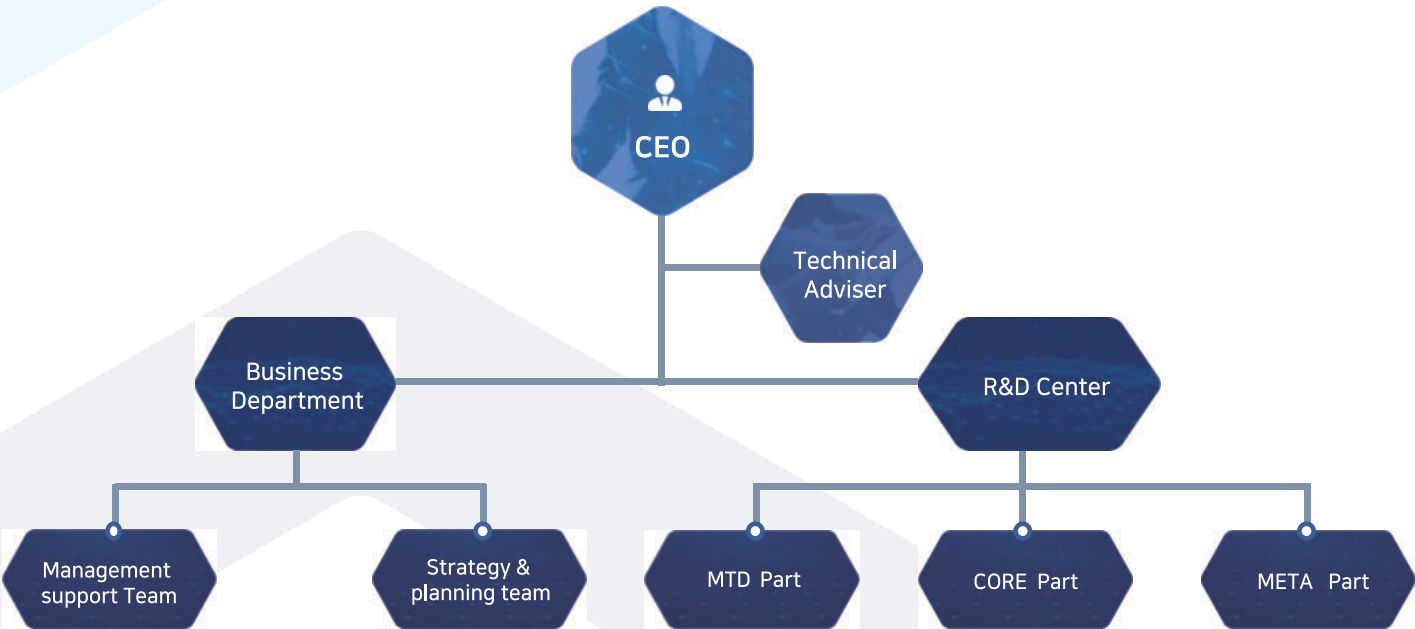- 11 Selection of KOEN Start-Up Supporters Support Project

2020
- 03 Selection of 2020 S/W High Growth Club Preliminary High Growth Companies (1st Year)
- 11 Certification of ISO9001:2015
- 11 Selection of 2020 Contech Meet-up Day Outstanding Enterprise

2021
- 03 Selection of 2021 S/W High Growth Club Preliminary High Growth Companies (2nd Year)
- 06 Certification of Inno-Biz
- 07 Joining Metaverse Alliance (Korea Metaverse Industry Association)
- 09 2021 Hyundai Heavy Industries Group's DT Open Innovation Excellence Award
- 10 Selection of First Penguin Company
- 12 Selection of 2021 Smart Manufacturing Innovation Start-up

"Establishing a technology, research-oriented talent organization"

- CEO
  - Technical Adviser
  - Business Department
    - Management support Team
    - Strategy & planning team
  - R&D Center
    - MTD Part
    - CORE Part
    - META Part

MISSON

"The world's leading metaverse company that brings reality and virtuality
into one world and pursues the value for customer satisfaction with new experiences "

PRODUCT
"Reality is the Same as Virtual"
Service Platform

VALUE
New Experiences/
New Economies

CUSTOMER
Voice of Customer
Pursuing Customers'
Satisfaction

VISSION

A global number one service platform that leads new technologies
in the future and shares them with a variety of people

TECHNOLOGY
SIMSREALITY's Own
Technology for the Future

ORGANIZATION
Organizational Culture
Shared and Enjoyed
by Everyone

OBJECTIVE
Glover No.1
Service Platform

OUR SERVICE ...

: Service Introduction

VATTAIN
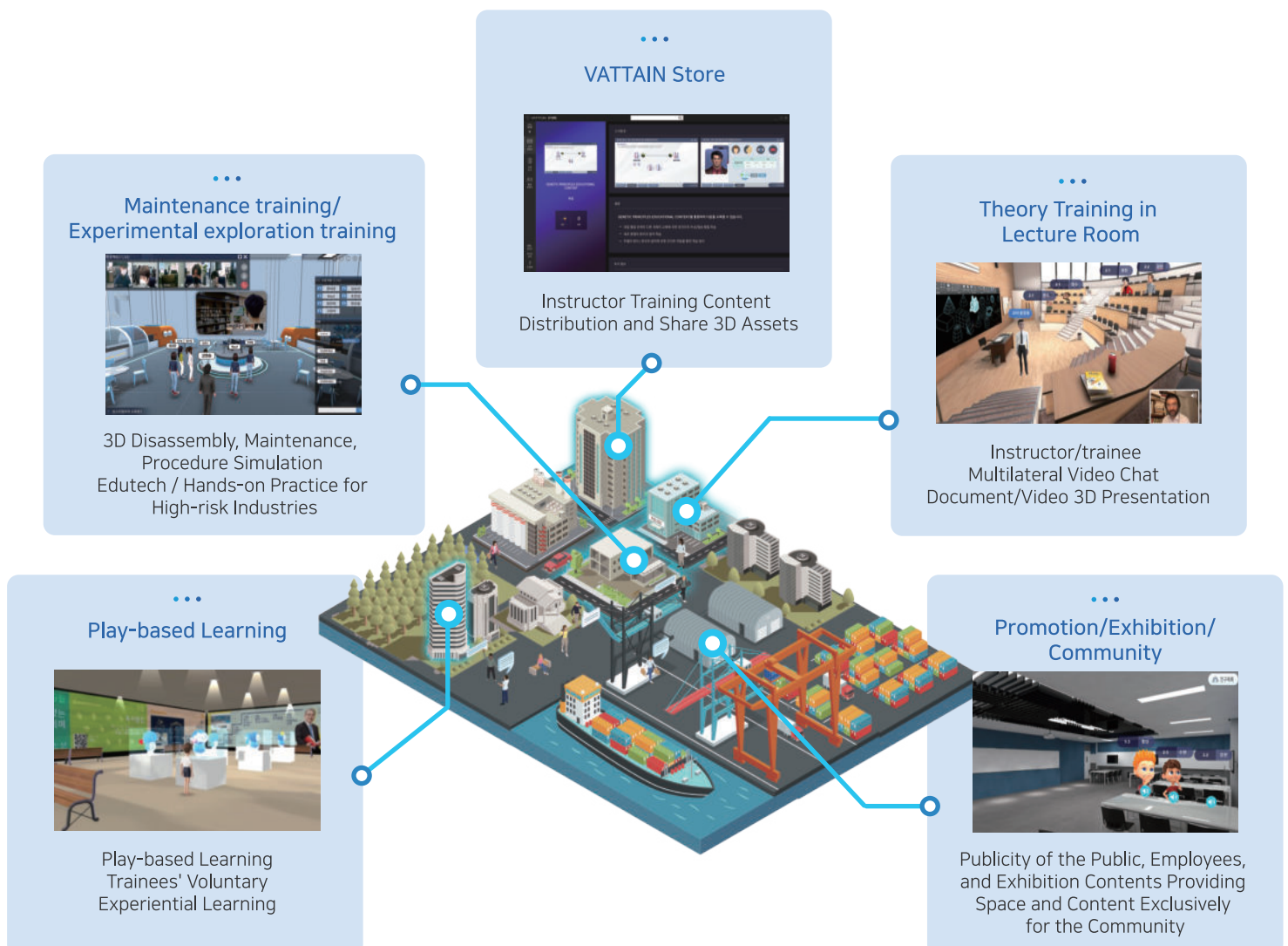[Metaverse-based Education and Training Service Platform]
World Map

Metaverse-based Education and Training Service Platform

- A Metabus Educational Space Production System Focused on Educational Sites

- 2D and 3D presentation, communication system for theoretical training

- 3D hands-on model simulation content for hands-on training

- Avatar Play Content for Trainees' Voluntary and Immersion Learning

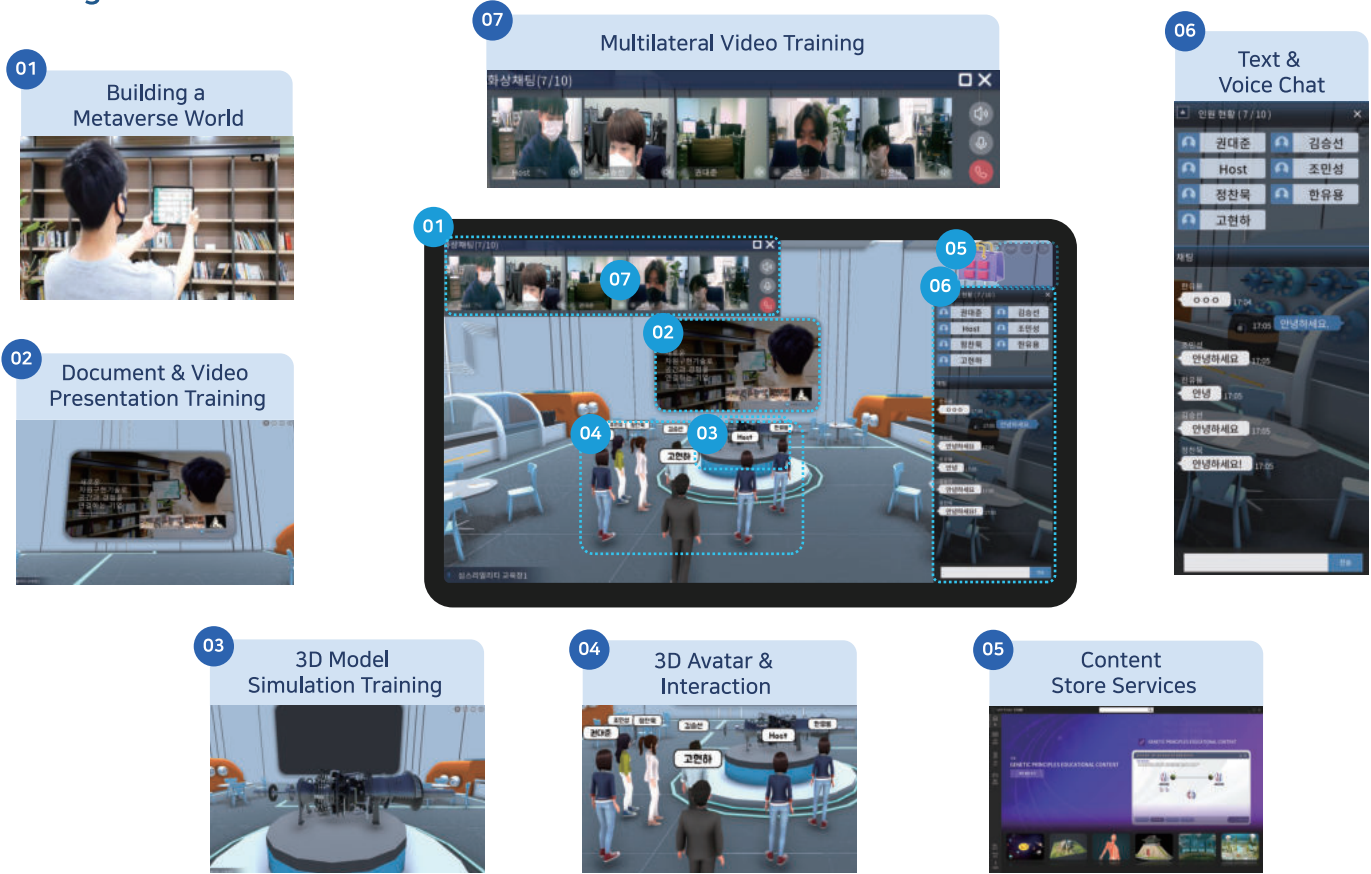- A content store for the continuation and operation of the education curriculum

VATTAIN provides metaverse space creation and avatar-based education and training services for edutech and high-risk industries.

- Trainees play as avatars in the metaverse virtual space of each industry and can enjoy training and learning theoretical and practical education contents.
- Instructors can manage training scenarios, contents, and user information, and continue and operate the education curriculum using the store.

VATTAIN Store

Instructor Training Content
Distribution and Share 3D Assets

**Maintenance training/
Experimental exploration training**

3D Disassembly, Maintenance,
Procedure Simulation
Edutech / Hands-on Practice for
High-risk Industries

**Theory Training in
Lecture Room**

Instructor/trainee
Multilateral Video Chat
Document/Video 3D Presentation

Play-based Learning

Play-based Learning
Trainees' Voluntary
Experiential Learning

**Promotion/Exhibition/
Community**

Publicity of the Public, Employees,
and Exhibition Contents Providing
Space and Content Exclusively
for the Community

It is a major function of VATTAIN that provides avatar-based education services, and learning content stores from the creation of metaverse spaces at education and training sites.

07 Multilateral Video Training

01 Building a Metaverse World

06 Text & Voice Chat

02 Document & Video Presentation Training

03 3D Model Simulation Training

04 3D Avatar & Interaction

05 Content Store Services

VATTAIN FUNCTIONAL SUMMARY TABLE

	Category	Function	Description
01	Build Metaverse World	Mobile · 360-degree rail camera-based spatial scanning, modeling and mapping	Establishing a metaverse space identical to reality - Connected with ENVUE
		3D model (design file or build) based spatial modeling and mapping	Establishing a metaverse space similar to reality or expanded to a cartoon type
02	3D Avatars & Interactions	Selection of the appearance (gender, fashion) of the avatar, manipulation of actions, and preview	Provide realistic avatar service in metaverse space
		Avatar's 8-way spatial movement and motion interaction	Provide avatar's free metaverse space exploration and interaction
03	Text & Voice Chat	Individual and group chat and voice communication	Provides RTC-based multi-party text and voice chat function
		Configuration of camera, speaker and microphone	Provides communication setting function for PC and mobile devices
04	Multilateral video training	RTC based 1:1 / 1:N / N:N video communication	Provide RTC-based multi-party video chat function
05	Document & Video Presentation Training	Screen sharing of universal video and document files	Provide educational material screen sharing function on bulletin board in metaverse space
		Switch first-person 2D or third-person 3D screen viewer	Provide educational material learning function in metaverse space or full screen
06	3D model simulation training	3D model disassembly/assembly/procedural simulation	Provides simulation function of 3D content in metaverse space
		Switch first-person 2D or third-person 3D screen viewer	Provides simulation learning function in metaverse space or full screen
07	Content Store Services	Search for educational content, check information, and download	Provide instructor training content and 3D object sharing function
		Playing content search, information check, download	Sharing game element contents and avatar items for experiences and activities

OUR SERVICE •••

⋮ Hardware Specifications [Client - Server]

VATTAIN Hardware [Client - Server] Specifications

Category		Minimum Specifications	Recommended Specifications
Client PC	OS	Windows 10	Windows 10
	CPU	Intel Core i3-5000 Processor or more	Intel Core i5-9600K Processor or more
	RAM	8GB or more	16GB or more
	VGA	NVIDIA GeForce GTX 1060 or more	NVIDIA GeForce RTX 2060 or more
Client Mobile	OS	Android 8.0 oreo or more	Android 12.0 Snow cone or more
	CPU	Octa-core,1.7GHz or more	ARM Cortex-A55 2.21 GHz or more
	RAM	4GB or more	8GB or more
	GPU	Mali-G72 or Adreno 630 or more	ARM Mali-G78 or more
Server (RTC, Application)	OS	Windows Server 2022	Windows Server 2022
	CPU	Intel Xeon G6226R 16Core	Intel Xeon G6226R 16Core * 2 (32Core)
	RAM	16GB or more	32GB or more
	HDD	HDD 1TB / SSD 500GB	HDD 2TB / SSD 1TB

⋮ Software Feature Specification

VATTAIN SOFTWARE FUNCTIONAL SPECIFICATIONS

Category		Contents	Specifications (1SET or maximum standard)
Space and Objects	Create and Provide Space	Based on On-site Scanning or Modeling Target Space Size (Unit: square meter)	30 square meters(provided), additional expansion
	3D object	Number of objects to be placed and interacted with in 3D space	50 objects (1SET)
Avatar	Avatar's Appearance and Emotions	Gender (male, female) fashion (hair, clothes, shoes), emotion (expression and action)	Each of 5 gender, fashion, and emotion expression (1SET)
	Avatar's Motion	Avatar's movement, user key and UI matching	1 avatar (1SET)
	Number of Room Generation	Create 1 room (instance)	10 rooms (1SET)
Concurrent users	Number of 1:N Concurrent Users	Number of 1:N Concurrent Users per Room	1,000 People (maximum)
	Number of N:N Concurrent Users	Number of N:N Concurrent Users per Room	50 People (maximum)
Human Communication	Multilateral Communication	Text / Voice / Video Chat	1 Each (maximum)
	Multi-party Screen Sharing	Screen Sharing 3D Bulletin Board	1 Bulletin Board (1SET)
	1:1 Communication	1:1 Video Chat, Screen Sharing, Chat	1 Each (maximum)
Education System	Educational Scenarios and Content	Object Manipulation and Effect Demonstration, Training Scenario Creation and Demonstration	20 Object Scenarios Each (1SET)
	Editing Tool for Education System	Editing Tool Software of Educational Scenarios	1 Type (maximum)

: VATTAIN Pricing [customizing]

VATTAIN Pricing [customizing]

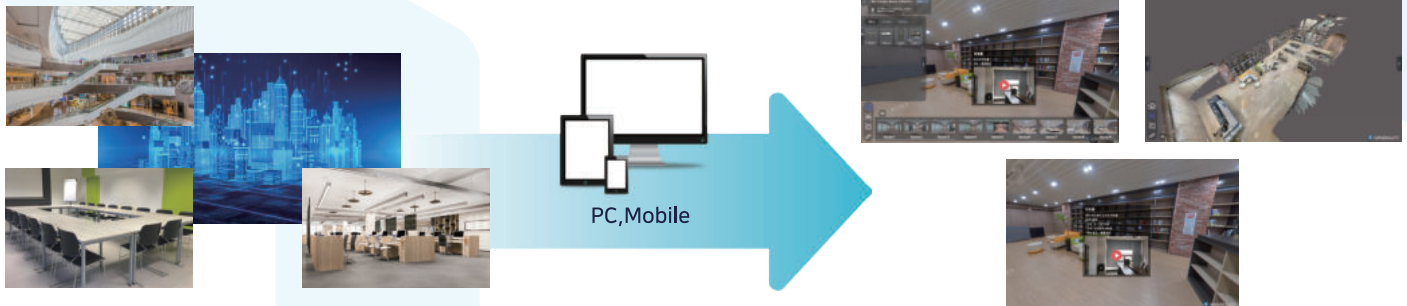| Category		Contents	Price
Platform construction and operation	Platform-specific (OS) Clients	PC (Windows 10), Mobile (Androids, iOS), HMD (VR)	Contact Us Separately
	Building a Platform	Cloud Server, 4 Male and Female Avatars, Text Chat	
	Video Chat and Share	Voice and Video Chat, Screen Sharing 3D Bulletin Board, 1:1 Video/Screen Function	
	Simultaneous Access and Traffic	1 Room (instance) Basis, Concurrent Connectors and Room Creation, 300GB of Traffic	
	Member-only Management	Account Management Web page, Admin Functions, Statistics	
	Platform Operation (if cloud is deployed)	Maintenance of Cloud Server Traffic and Data, Services and Content	
Content Creation	Creation of Backgrounds and 3D Content Objects	Number of 3D Objects, Space(square meter)	Contact Us Separately
	Creation of Avatars and Motions	The Number of Facial Expressions and Actions of the Avatar, and the Level of Movement and Manipulation of the Avatar	
	Education System and Editing Tools	Object Manipulation and Effect Demonstration, Educational Scenario Creation and Demonstration, Scenario Editing Program	

Promotional Video of VATTAIN

ENVUE (Metaverse Based Spatial Information Service)

⋮ Service Introduction

- · 'Virtual Tour' Service that Enables 3D Space Exploration with PC/Mobile Application
- · Providing Customized Spatial Information Service Using Various Editing Functions
- · Utilized as a Source Technology Capable of Constructing Various Due Diligence-based Spaces in the Metaverse
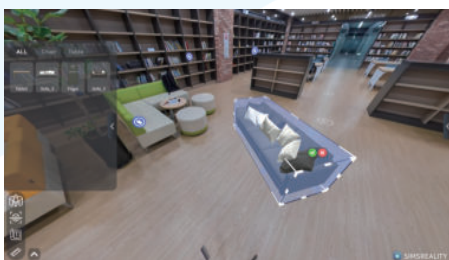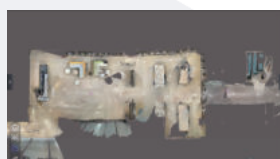

PC,Mobile

ENVUE FEATURES

- It is Possible to Build a Three-dimensional Space Relatively Quickly and at a Low Cost because it is Easy to Shoot Using a General Device such as a Mobile Phone Camera or a 360-degree Camera.
- Service can be Expanded to Various Fields (Education, Industry, Shopping, etc.) Based on Space Construction and Editing Functions

⋮ Service Function

01 Display Detailed Information of the Currently Located Space

02 Place Selected Furniture within the Space, and Reposition and Rotate

03 View Setting Function

- Check Space in Various Ways
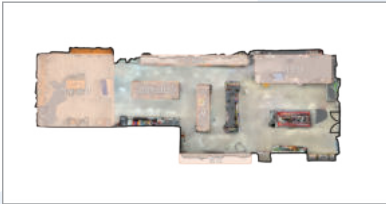- Measure the Distance between Selected Points in Space

05 Tag function
- Text, Video, Image, Link, etc.

04 Sector List
- Can Move to Each Sector Set in the Current Space

Service Function

06 Directions

- Show Route to Selected Point in Top View
- Highlight that Route from the User's Point of View

07 Mini Map

- Highlight that Current Location in 3D or Top View

Service Procedure

Production Request

1. Request a Service Production

- Proposal of Optimal Service through Customized Consultation such as Customer Information, Target, and Period

Space Shooting Content Production

2. From Shooting to Planning and Production

- Planning and Production of Various Contents from Space Shooting by Our Own Specialists

Service Open

3. Service Open

- Open and Operate Services in the Formof PC and Mobile Applications

Service Specifications and Pricing Policy

Operating Specifications

PC : CPU intel 77th generation or higher, RAM 16GB or more, GPU GTX1060 or more, 5 GB or more of free space
Mobile : Galaxy Note 8+, Oreo version or higher (Android)

Pricing

Item	Scale (standard)	Amount (KRW)	Remarks
Space Shooting	100 square meters	Seperate Inquiry	
Tag/Label/video editing	100 ea	Seperate Inquiry	
Cloud Server	1year	Seperate Inquiry	1 year warranty
3D content	20 ea	Seperate Inquiry	

Application example (APT 84 type)

Area 84㎡
30 info tags including options, area, etc.
5 3D contents such as furniture and home appliances

Total about OOO won

Promotional Video of ENVUE

CERTIFICATE •••

Current status of corporate certification

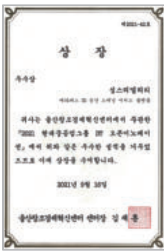| R&D Center | Venture Company | Inno-Biz | Software Business Operator | ISO 9001:2015 |

Award status

2019 KOEN Start-up and
Start-up Supporters
Support Project

2020 Contech Meet-up
Day Excellence Award

2021 Hyundai Heavy Industries
Group DT Open Innovation
Excellence Award

Patent registration and application

| High efficient 2D-3D switchable display apparatus | Space Touch Control System based on a Depth Sensor | Simulation System with High Degree of Freedom and Simulation Method Using the Same | System for Creating Simulation data and Method Using the Same | Design Registration Certificate – VATTAIN | Trademark Registration – VATTAIN |

| Indoor Mixed Reality Matching System | Creating Method for a three-dimensional map | Estimating Method for location in a three-dimensional space | Recognizing Method of objects in a three-dimensional space | Image Processing Method for Three-dimensional Avatar Movement in 3D modeling Space | Movement Method Using Avatar in a 3D Modeling Space |

SIMSREALITY

MAKE YOUR REALITY BASED METAVERSE SPACE

SIMSREALITY

MAKE YOU REALITY BASED METAVERSE SPACE