ARSUITE

IMMERSIVE INTELLIGENCE

World's Fastest 3D, AR, XR, VR, Metaverse Engine

& Real-Time Development Platform

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THE MAGIC

Magic is just a word for all the things that haven't yet discovered. We don't speculate on the magic. We create it! ®

Let's create!

The Arsuite Platform

NO · unity

NO · UNREAL ENGINE

NO · APP

NO · CODE

Arsuite never uses external engines or editors. Arsuite has its own AI-Powered 3D, AR, VR, XR, Metaverse and Web Game Engine family.

The Platform

01. Arsuite design and development tools are the WordPress of the "3D, AR, XR, VR, Metaverse" worlds.

02. Anyone can create a 3D scene with our AI-Powered, cloud-native, no-code tools without any software development expertise.

03. Moreover, Arsuite Engine can render 3D assets or models faster than 2D assets.

The Demo

The demo won't be a traditional demo. We will create together an up-and-running real 3D, AR, XR, Metaverse and Web Game project, and we will share it instantly with the whole globe and on social media.

ARSUITE

Please pay attention to the differentiations between WebXR and WebAR reflections on the Astronaut's helmet.

The Team

WHO **WE** **ARE**

The team consists of 12 developers and designers ranging in experience from 5 to 22 years. They are highly skilled individuals who have created the world's fastest 3D Rendering / Loading and Game Engine. The Spark; our founder "Alper Akalin" has published two academic books on the Java Programming Language and spoke over 30 times at several universities, conferences, and meetups.

The Problem

The major problem is poor

Accessibility & Interoperability

3D, AR, XR, VR, Metaverse or Game environments can consist of a single 3D asset or thousands of 3D assets. The well-known global solutions approach all these 3D environments as monolith data blocks no matter whether single or multiple.

However, the modern world, the internet and the web/mobile platforms expect dynamic and reusable data or data streams, not monolith data blocks.

Platform dependent and APP required end products

Limited web browser and mobile device supported end products

Limited cloud-native supported platforms and end products

Monolith "APP" driven design and development tools

Complex and heavy design - development tools

Long and challenging design - development pipelines

The Solution

The AI-Powered Arsuite Platform is complete

Interoperable & Transportable

Platform independent and No-APP required tools and end products

Unlimited web browser and mobile device support

Complete cloud-native design tools and end products

Complete dynamic data-driven tools and end products

Over easy cloud-native and no-code development tools. "like WordPress."

Incredibly short design and release times. " just in minutes."

Arsuite stores, processes and streams all 3D assets as distributed datasets. There is no single or monolith data in the Arsuite. Each 3D asset co-exists as a dynamic data stream in the Arsuite. So, every 3D asset or data consists of gas and dust clouds at the storage stage.

Arsuite Engines collect, process, render and display all 3D assets in absolute real-time. "Arsuite Dynamic Asset Loading"

CREATE ONCE, RUN ANYWHERE

Metaverse, AR, VR, XR
Market Predictions

According to Precedence Research, the global market size is projected to be worth around USD 1,607.12 billion by 2030 and expanding growth at a compound annual growth rate (CAGR) of 50.74% from 2022 to 2030.

50.74% CAGR

2023	$ 90 Billion
2025	$ 206 Billion
2028	$ 707 billion
2030	$1607 Billion

The Limit
is Limitless!

Arsuite is a Technology and Service Provider

Use
Cases

Retail

Gaming

Entertainment

Virtual Store
Experience

AI-Powered Platform
"ARSUITE"

World's Fastest 3D, AR, XR, VR, Metaverse, Web Game Engine & Real-Time Development Platform

01 The World's Fastest 3D Engine

The Arsuite Engines have incredible 3D scene loading and rendering speeds and times. Arsuite can render 3D models faster than 2D images.

02 Hyper-Realistic "Web" 3D Engine

With the power of the Arsuite Engines and Platform, we can process very high poly 3D models, 4K textures, and 8K HDRI skyboxes on any device.

03 AI-Powered No-Code Tools

Arsuite empowers you with many intelligent drag-and-drop design tools. You never need software development knowledge in 3D scene design and publishing stages.

AI-Powered Platform "ARSUITE"

World's Fastest 3D, AR, XR, VR, Metaverse, Web Game Engine & Real-Time Development Platform

04 Augmented Reality -as-a-Service

We believe that Augmented Reality is for everyone. Arsuite combines the digital and physical worlds bringing the no-code and absolutely no-app-required magical AR development tools and solutions.

05 Extended Reality -as-a-Service

We're taking on one of the 3D rendering world's most significant challenges by creating a web-based photorealistic 3D Extended Reality engine. Photorealistic 3D rendering is not a privilege for some graphic card users..

06 Metaverse -as-a-Service

We are building immersive omniverse experiences powered by the next-gen hyper-realistic, playable, placeable, wearable and printable 3D "XR, AR, VR Metaverse and Web Game" contents across mobile, PCs, and consoles

OTHER PLATFORMS "AR, VR, XR, METAVERSE"

PROJECT DESIGN & DEVELOPMENT FLOW

2 Import 3D assets into the Editor

1 Install a Designer Tool or Editor

START

7 Upload the APPs to the prod server and publish

3 Design the multiple scene & write some codes

4 Build & Export APPs for the 3D project

5 Upload the APPs to the cloud server for preview/test

6 Send the APPs' URL to the customer for preview/test

CUSTOMER DECISION

NEGATIVE

Imagine that the client sends back the project 10 times.
That can cause a huge waste of time and resources. It's like a disaster scenario. Isn't it?

ARSUITE AI-POWERED "AR, VR, XR, METAVERSE"

PROJECT DESIGN & DEVELOPMENT FLOW

START

1 Register & Login arsuite.com

2 Upload the 3D assets to the Arsuite Designer Studio

3 Design only a single scene at once for all 3D, AR, XR, VR, Metaverse projects

CUSTOMER DECISION

NEGATIVE

4 Immediately Publish to the entire Globe

AI-powered, platform-independent, no-code required, no-app required, incredibly fast design, development tools, and end-products.

ARSUITE IMMERSIVE INTELLIGENCE PLATFORM TOPOLOGY

GaaS (Game-as-a-Service) < --- > Game Servers

GAME SERVERS · API SECURITY · SMART CONTENT MANAGEMENT · CLUSTER MANAGEMENT · CLOUD MANAGEMENT · PORTAL MANAGEMENT · DEVICE MANAGEMENT · SMART CONTENT MANAGEMENT · API SECURITY · GAME SERVER

CLOUD NATIVE ORCHESTRATION

API GATEWAYS
API SECURITY
SERVICE REGISTRY
SERVICE DISCOVERY
LOAD BALANCER
PUBLIC GATEWAY
API SECURITY

DATA WORKLOADS
CACHES
ANALYTICS
CACHES
ANALYTICS

MICRO SERVICES

IoT SERVICES

CONTAINERIZED MIDDLEWARE
APP SERVERS · ENTERPRISE SYSTEMS
SaaS APPs · EVENT LISTENERS
RUN TIME SERVICEs · MESSAGE BUS
IoT APPs · MONITORING LOGGIN
AUTH SERVICEs · INFRASTRUCTURE SERVICEs
SMART CONTRACTS · BLOCKCHAIN SERVICEs

DAOs
DATABASEs
MESSAGE QUEUEs
IMAGE STORAGEs
BLOCK STORAGEs
OBJECT STORAGEs
OTHER DBs

CLOUD NATIVE ORCHESTRATION

MaaS (Metaverse-as-a-Service) < --- > AR, VR, XR, Metaverse Servers

METAVERSE SERVERS · API SECURITY · SMART CONTENT MANAGEMENT · CLUSTER MANAGEMENT · CLOUD MANAGEMENT · PORTAL MANAGEMENT · DEVICE MANAGEMENT · SMART CONTENT MANAGEMENT · API SECURITY · METAVERSE SERVER

ARSUITE INTELLIGENT ASSET STORAGEs

iCAM INTELLIGENT CENTRALIZED ASSET MANAGEMENT

LEGEND
Application component
Infrastructure services & Databases
Management
Data store
Analytics
Device capabilities
Security

Comparison I

	Engine	Engine Approach	File Format	Platform Dependency	Average Speed -lower is better-	Max Poly Count	Max Texture Dimension
Arsuite	arsuite	Data Driven - Dynamic	.arsx	independent	1x	5 Million +	4K +
Arkit - Apple	arkit	App Driven - Monolith	.usdz	dependent	14x	100K	2K
Arcore - Google	arcore	App Driven - Monolith	.glb	dependent	10x	100K	2K
Unity	-	App Driven - Monolith	~	dependent	10x – 320x	100K	2K
Unreal	-	App Driven - Monolith	~	dependent	10x – 320x	100K	2K
Facebook	sparkar	App Driven - Monolith	.glb	dependent	~16x	22K	2K
Vuforia - PTC	vuforia	App Driven - Monolith	~	conditionally	10x – 320x	100K	2K
8th Wall	8thwall	App Driven - Monolith	.glb	conditionally	~16x	22K	2K
Zappar	zappar	App Driven - Monolith	.glb	conditionally	~16x	22K	2K
.fbx based	~	App Driven - Monolith	.fbx	dependent	30x	~	~
.obj bases	~	App Driven - Monolith	.obj	dependent	320x	~	~

Comparison II

	Coding Strategy	Cloud Native	Customized Designer Studio	3D & Advanced CMS	Supported Web Browsers	Metaverse Creator Tools	Web Analytics
Arsuite	no code	complete	ai-powered	ai-powered	all	ai-powered	ai-powered
Arkit- Apple	code	no	no	no	safari	no	no
Arcore - Google	code	no	no	no	model-viewer	no	no
Unity	low code	no	yes	no	with app	yes	no
Unreal	low code	no	yes	no	with app	yes	no
Facebook	low code	complete	conditionally	no	with app	no	no
Vuforia - PTC	low code	no	yes	no	with app	no	no
8th Wall	low code	partially	conditionally	conditionally	with app	no	conditionally
Zappar	no code	complete	yes	conditionally	with app	no	conditionally
.fbx based	~	no		no	no	no	no
.obj bases	~	no		no	no	no	no

Pricing Model

FREE Subscription

PRO Subscription

CUSTOM Subscription

2022

AI-Powered
Streaming Engine
Completed

2023 Q1

AI-Powered
Designer Studio
Infrastructure
Completed

ARSUITE
IMMERSIVE INTELLIGENCE