HADEAN

Product Overview

The spatial intelligence platform for powerful, highly scalable synthetic environments that bridge the physical and virtual world.

It provides realistic, scalable, globally distributed and real-time synthetic environments that enable governments and commercial enterprises to plan, train and make faster, better and autonomous decisions.

Simulate unlimited "what-if" scenarios of your complex systems to predict and **plan** the most promising path forward.

PLAN

DECIDE

TRAIN

Create virtual sandboxes with real world and synthetic data to **train** both humans and AI at scale.

Gain situational awareness and enhance **decision-making** through AI-powered prescriptive insights and automation.

Visit our website for more information at **hadean.com**

Hadean Features

SCALABILITY

Dynamically scale synthetic environments and simulations across physical resources, allocating additional computing power where needed as spatial compute demands grow in complexity and size. Automatic allocation and deallocation of resources ensures no under-provisioning or idle resources.

INTEROPERABILITY

Out-of-the-box simulation and orchestration capabilities that are easy to develop, deploy and integrate with any system. It connects simulators, data sources and systems, scaling as they interact to allow them to work in unison and harmony across the synthetic environment.

CONNECTIVITY

Intelligent networking and real-time data sharing for connecting globally distributed users, systems and data sources to the platform. By strategically selecting which information should be sent to individual clients, bandwidth can be optimised and data secured to ensure you can get the right information to the right users when needed.

COGNITIVE REALISM

AI and data plugins add human and environmental context to synthetic environments with representations of populations, traffic, weather and even social media. Hadean's AI agents exhibit pattern-of-life behaviours, objectives, sentiments and interactions mimicking the real-world and adding a level of realism to training and predicted scenarios.

Key Pillars of Hadean Technology

Delivering powerful, highly scalable synthetic environments

SPATIAL

Powerful, scalable, multi-dimensional simulations that can match the fidelity and complexity of reality.

AI

Next-generation user interfaces, intelligent agents and prescriptive analytics paving the way for autonomy.

DATA

Real-time, real-world connectivity and synthetic data for enhanced situational awareness and prescriptive insights.

Delivering Insight, Foresight and Autonomy

A Blueprint for Exploiting Synthetic Environments

BUILD

- Initialise Environment
- Select/Build Plugins
- Connect Data Sources
- Integrate External Systems

Configuration Data

RUN

- Parallel Scenarios
- AI & Human Training
- Live Operations

LIVE

Live Data

Output Data

ANALYSE

- Scenario Comparison
- Real Time Visibility
- Prescriptive Insight
- Testing & Validation
- Autonomous Action

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