

COGNITIVE INFRASTRUCTURE

Understand more. Decide with confidence.

Aperio Global helps mission organizations, enterprises and global partners make complex information and physical environments easier to understand and use. We combine AI, cybersecurity and engineering to support decisions that require evidence, context and human judgment.

The Cognitive Layer Framework (CLF)

PATENT PENDING

CLF guides how data, AI and people work together. It is designed to preserve source context, apply governance and security controls, and keep human decision authority explicit.

SPATIAL INTELLIGENCE

Reality Engine

Explore captured sites in navigable 3D for remote review, site familiarization and preparation for operations.

ENVIRONMENTAL INTELLIGENCE

HelioShield

Analyze solar and space weather data to support forecasting and planning for environmental risks.

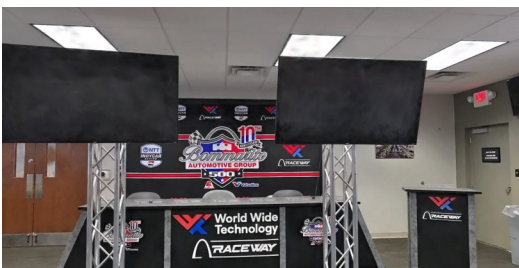
SEMANTIC INTELLIGENCE

NLYTEN

Find relevant evidence across documents, imagery and audio. Page level citations help analysts review the source material behind a result.

CipherIQ

Assess cryptographic exposure and plan post quantum migration, with visibility into systems that need attention.



Reality Engine in practice

World Wide Technology Raceway
media room reconstruction.

Explore the public demo

splat.aperioglobal.com



AI adoption, grounded in delivery.

Aperio provides data and AI engineering, cybersecurity, software and cloud integration, operator training, deployment and sustainment.

DELIVERED MISSION EXPERIENCE

USCIS

U.S. Citizenship and Immigration Services

AI infrastructure and cybersecurity. Prime delivery of a secure analyst application combining data analytics, visualization and secure cloud infrastructure.

Representative subcontract delivery: USSPACECOM Joint Cyber Center, U.S. Army enterprise networks and cloud, and NTIA spectrum management.

A focused path to adoption

01 Choose one workflow

Identify the decision, users, current process and operational owner.

02 Set operating requirements

Agree data access, security, integration needs and human review.

03 Define success

Set measures for usefulness, accuracy, traceability and operator effort.

04 Evaluate and decide

Review evidence, delivery responsibilities and options for adoption.

Technology and delivery ecosystem



NVIDIA Inception member. Technical collaboration supporting accelerated AI and spatial computing.

Dell Technologies

AI infrastructure collaboration and commercial access through Carahsoft. OEM onboarding underway.



Supplier and Advanced Technology Center onboarding complete. Reality Engine demonstration and customer evaluation initiatives.



Public sector distribution and procurement. Aperio has been accepted into Federal AI Accelerator for market engagement.

CORPORATE

Small Business / SBA 8(a) participant
UEI EAXMYAR1KRA8 / CAGE 89JF0
Primary NAICS 541330

FEDERAL CONTRACT ACCESS

GSA MAS 47QTCA23D007Z / HACS
NASA SEWP VI Category C prime
80TECH26D0935

QUALITY AND MANAGEMENT

ISO 9001 / 27001 / 20000-1
CMMI Services Maturity Level 3

ISO scopes: internal corporate support and service management.

Let's examine one workflow.

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