ようこそ
أهلا وسهلا
VELKOMMEN
WELKOM
ยินดีต้อนรับ
BIENVENUE
WELCOME
SELAMAT DATANG
VÄLKOMMEN
BIENVENIDOS
TERVETULOA

BACKGROUNDS
INTERESTS
DISCIPLINES
YOU
A GLOBAL COMMUNITY
OF GIS PROFESSIONALS
CULTURES
ORGANIZATIONS
NATIONALITIES

142,100 Businesses
97,300 Colleges, Universities & NGOs
15,200 Utilities & Telecommunications
34,100 National Government Agencies
59,600 States & Regional Agencies
74,900 Cities & Local Governments
Over 700,000
Organizations

Education

Science & Technology

Energy

Sustainability

Economic Development

National Security

Infrastructure

Social Conflicts

Agriculture

YOUR WORK

Natural Resources

Addressing
. . . All Our World's Challenges

Urbanization & Development

Disasters

Public Safety

Water Resources

Environment

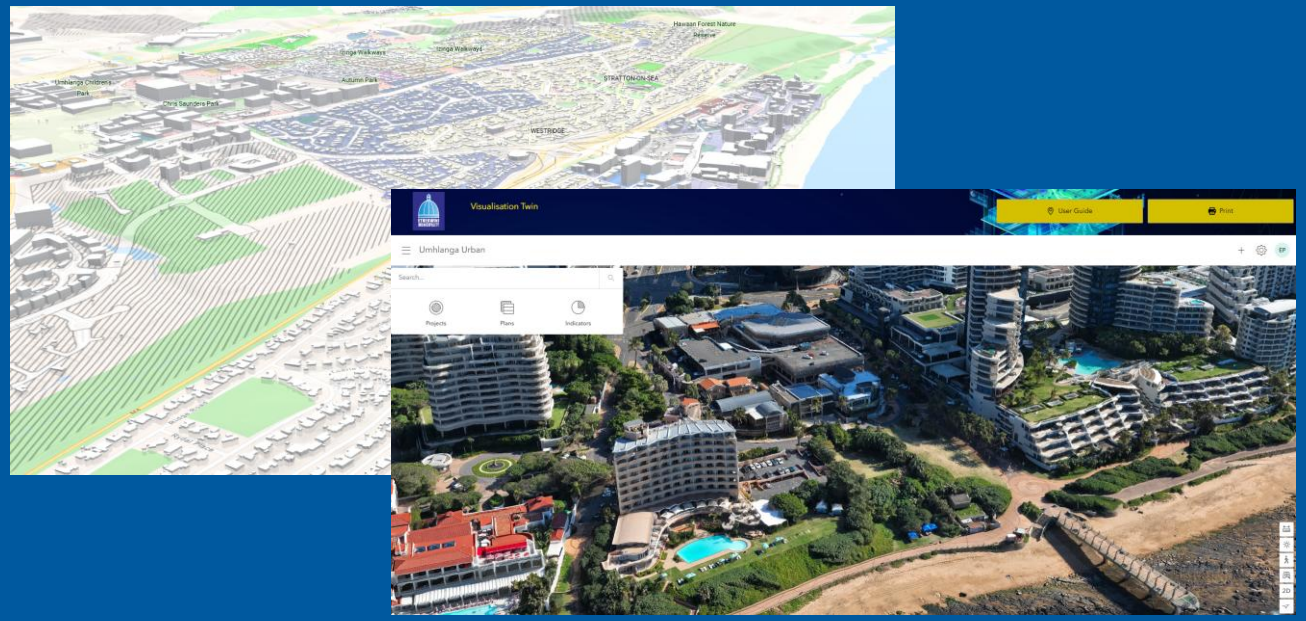
Human Health

Engineering

Conservation

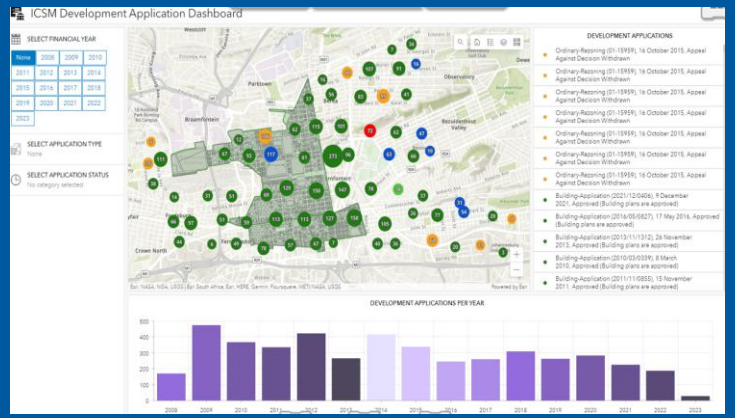
Increasingly Leveraging AI

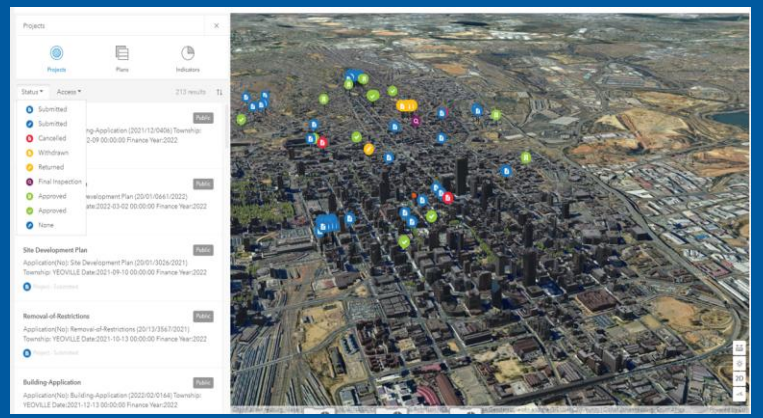
Smart Cities & Urban Digital Twins



Visualization Twin – Umhlanga Proof of Concept

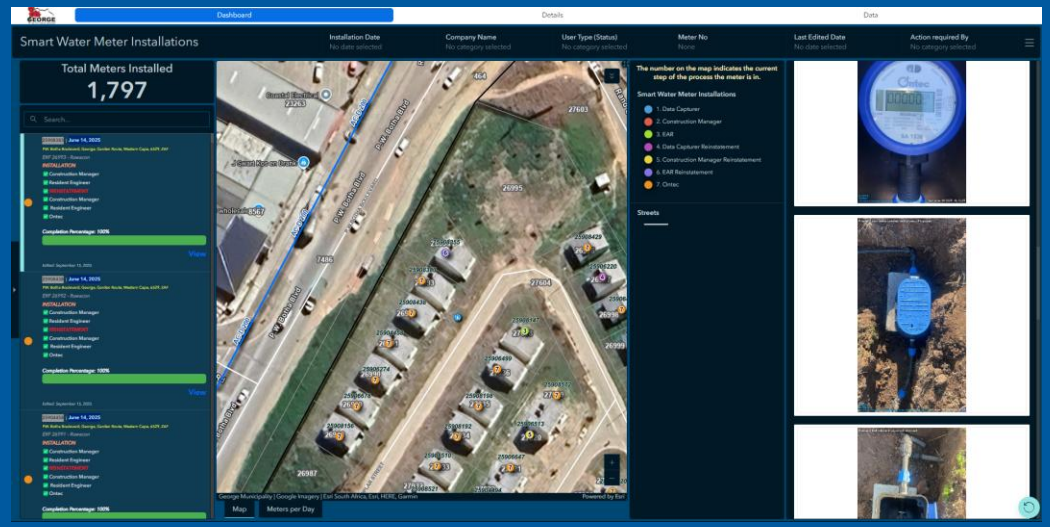
Digital Twin – Economic Hub of South Africa Transforms the Way it Serves Residents



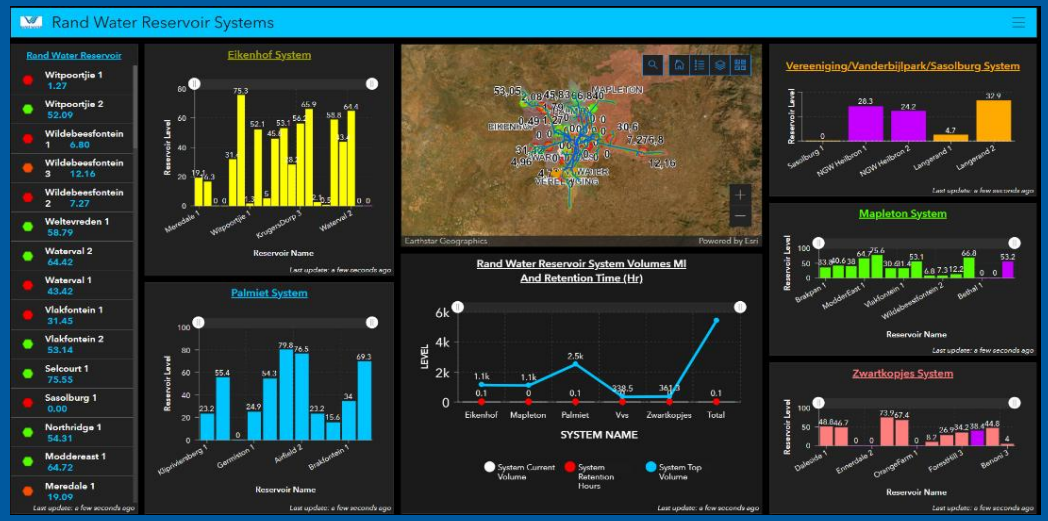


Knysna Municipality - Informal Area 3D Visualization

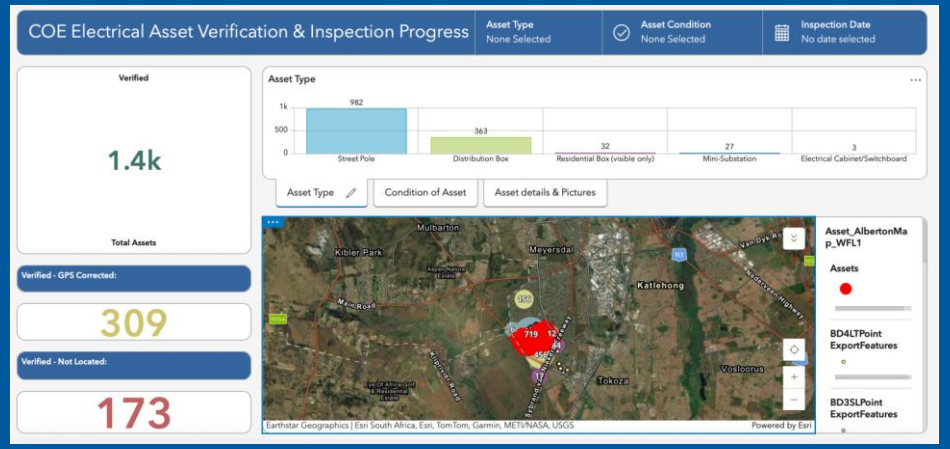
Utilities & Infrastructure Management



George Municipality - Smart Water Meter Installations – Digital Form, Smart Workflow, Intelligent Billing

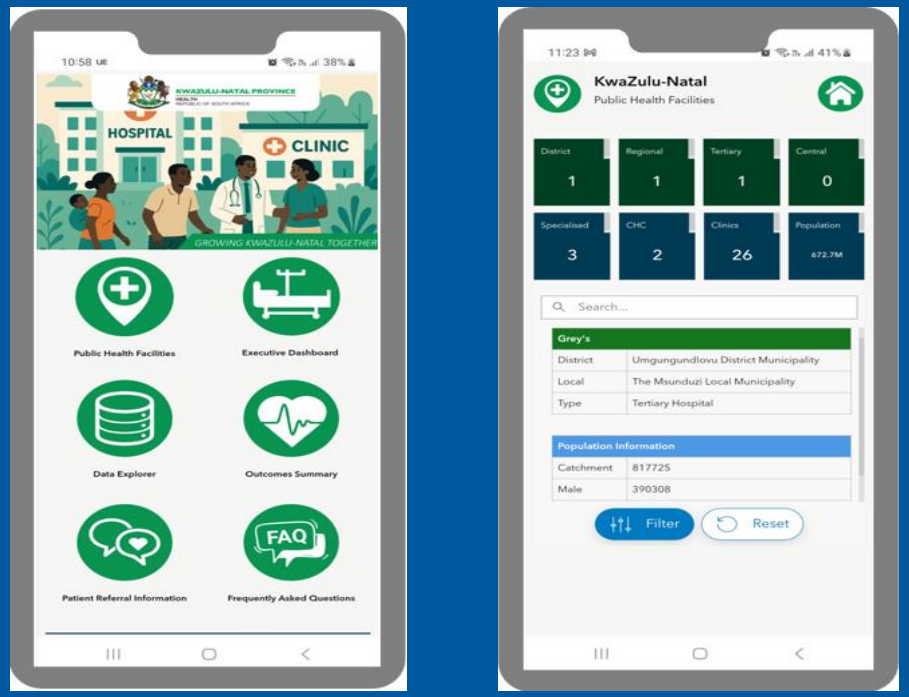


Rand Water - Water Cycle Management – Customer Water Use Efficiency, Live Reservoir Monitoring

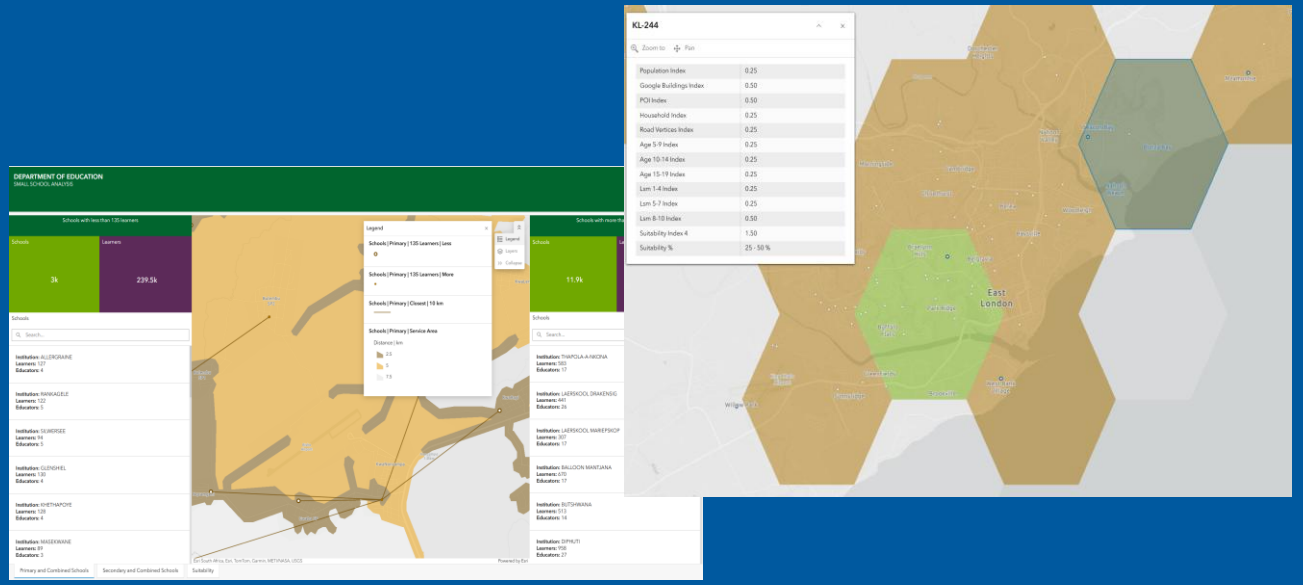


City of Ekurhuleni -Electrical Asset Verification & Inspection

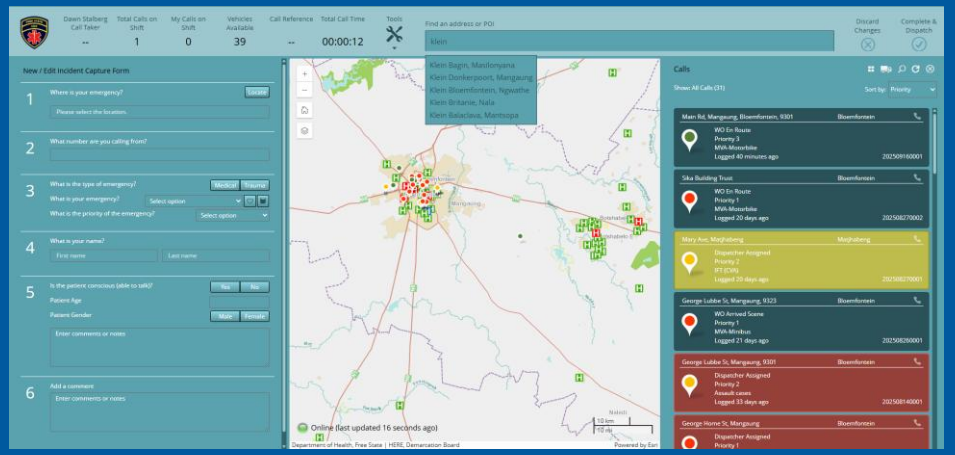
Public Health & Social Services



KwaZulu-Natal Dept of Health
Public Health Facilities & Data Explorer

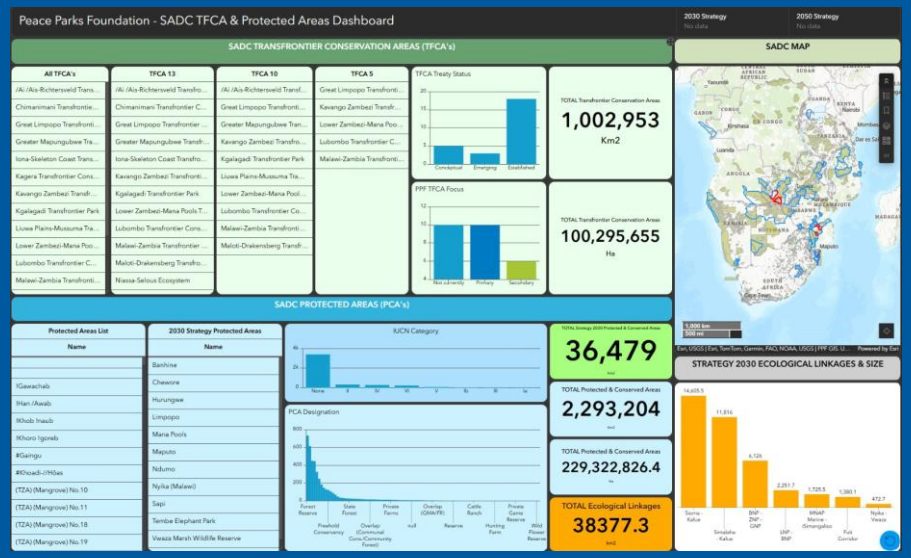


National Education
Small School Analysis – Suitability < Pop, Household, Age, Income etc.

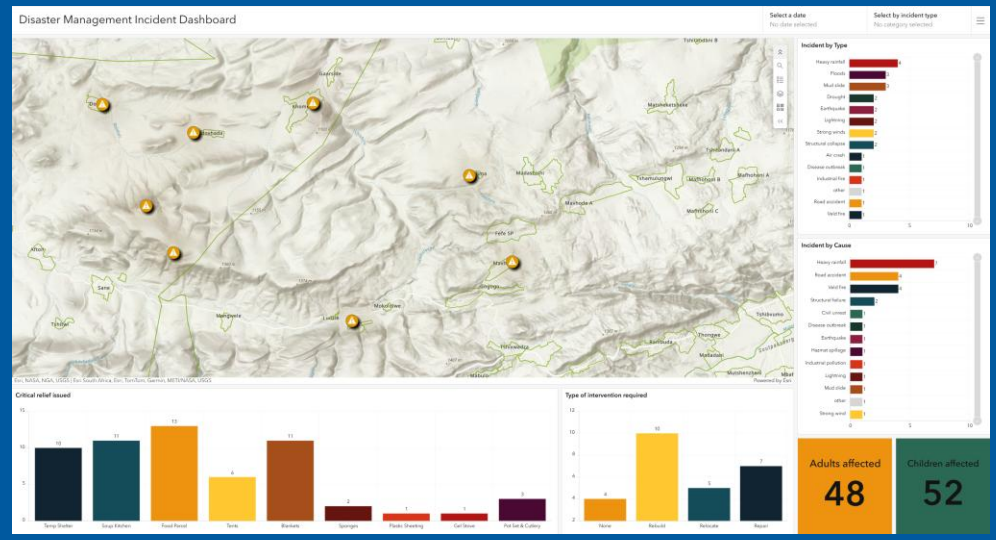


Free State Department of Health
Emergency Management System – Call Tracker, Dispatcher

Environmental Protection & Disaster Management

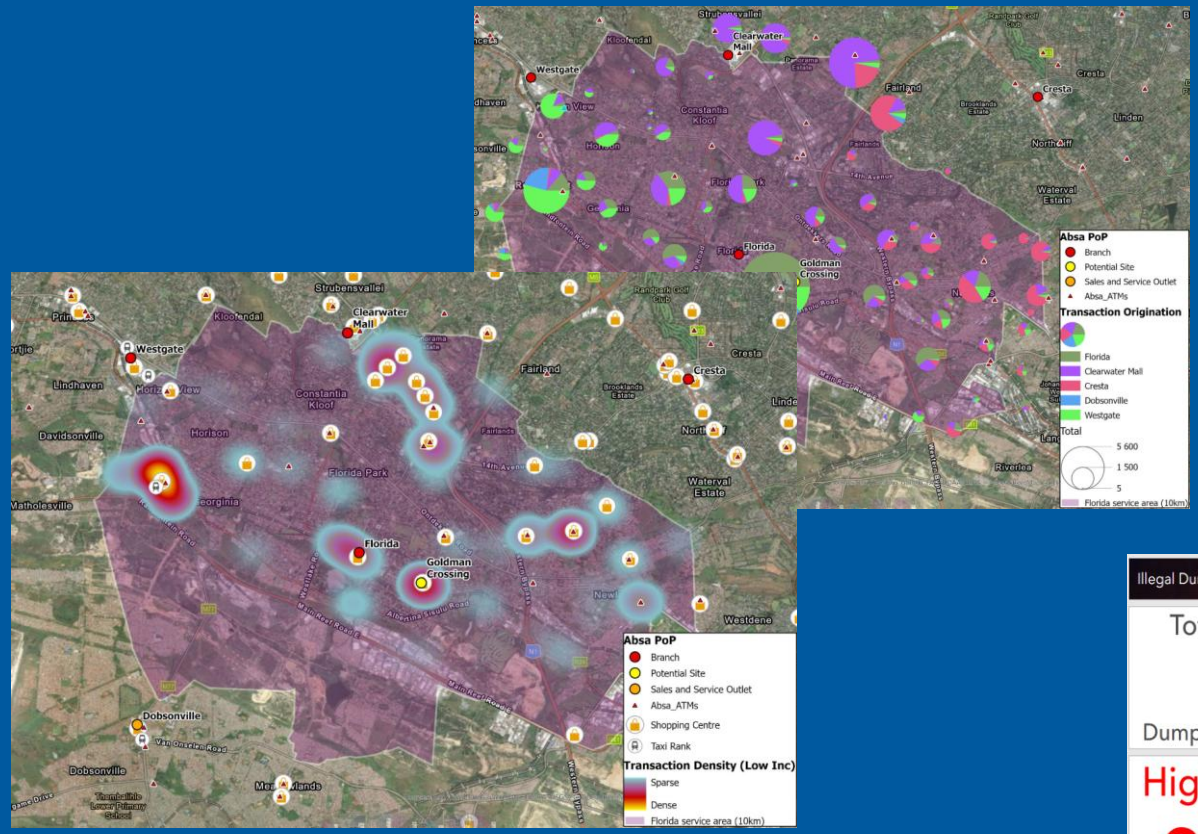


Peace Parks Foundation
Disaster Management

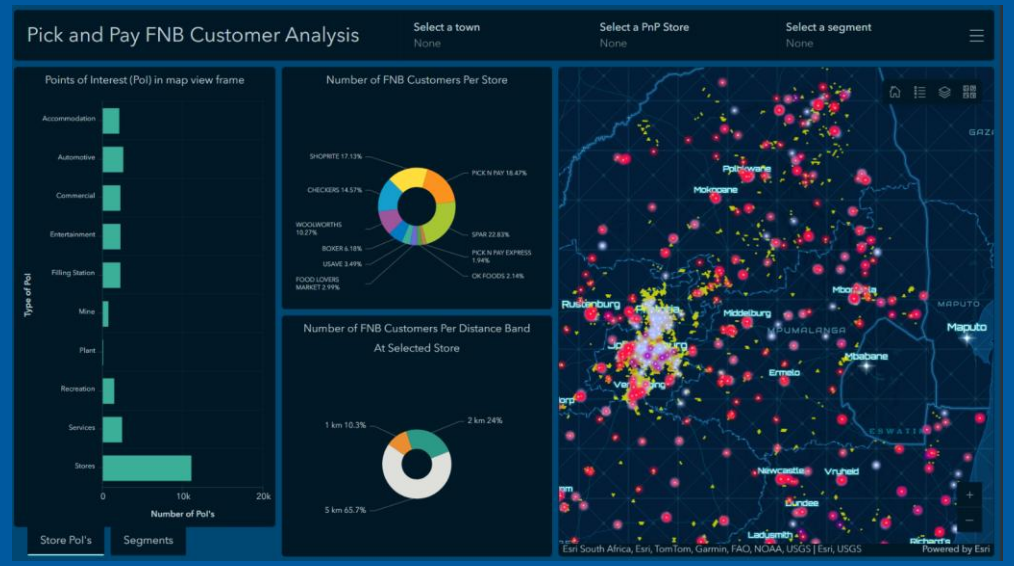


Vhembe District Municipality
Animal Sightings & Protected Areas –
Protected Areas Classification, Animal Sightings from Flights

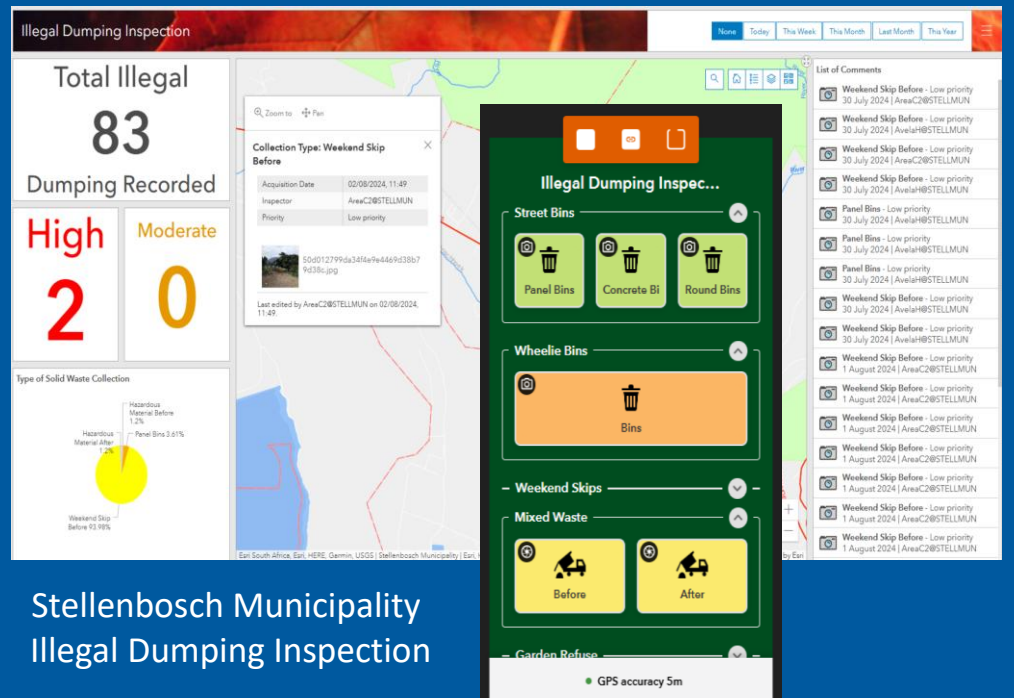
Commercial & Financial Insights



Transactions in Florida –
Transaction Origination, Low Income Transaction Density, Transaction Flow



FNB Bank - Pick and Pay Customer Analysis



Stellenbosch Municipality
Illegal Dumping Inspection

Geography

Is the Science of Our World

A scientific lens
for seeing, integrating
. . . and understanding

Maps

provide a common language

Telling stories about everything

Geography Is Integrating Organizations

Breaking Down Silos . . .

. . . Enabling Crosscutting Collaboration

Sharing Integrated Geographic Information

Creating Shared Understanding

Fueling new ways of working together . . . and problem solving

Geography Is Integrating Systems

Transforming How Groups and Organizations Work Together

Creating Systems of Systems

Leveraging Shared Resources

Interconnecting Multiple Systems

Integrating Distributed Data

Expanding Collaboration

PG&E Data Hub

Australia

Alaska

Geospatial Infrastructure

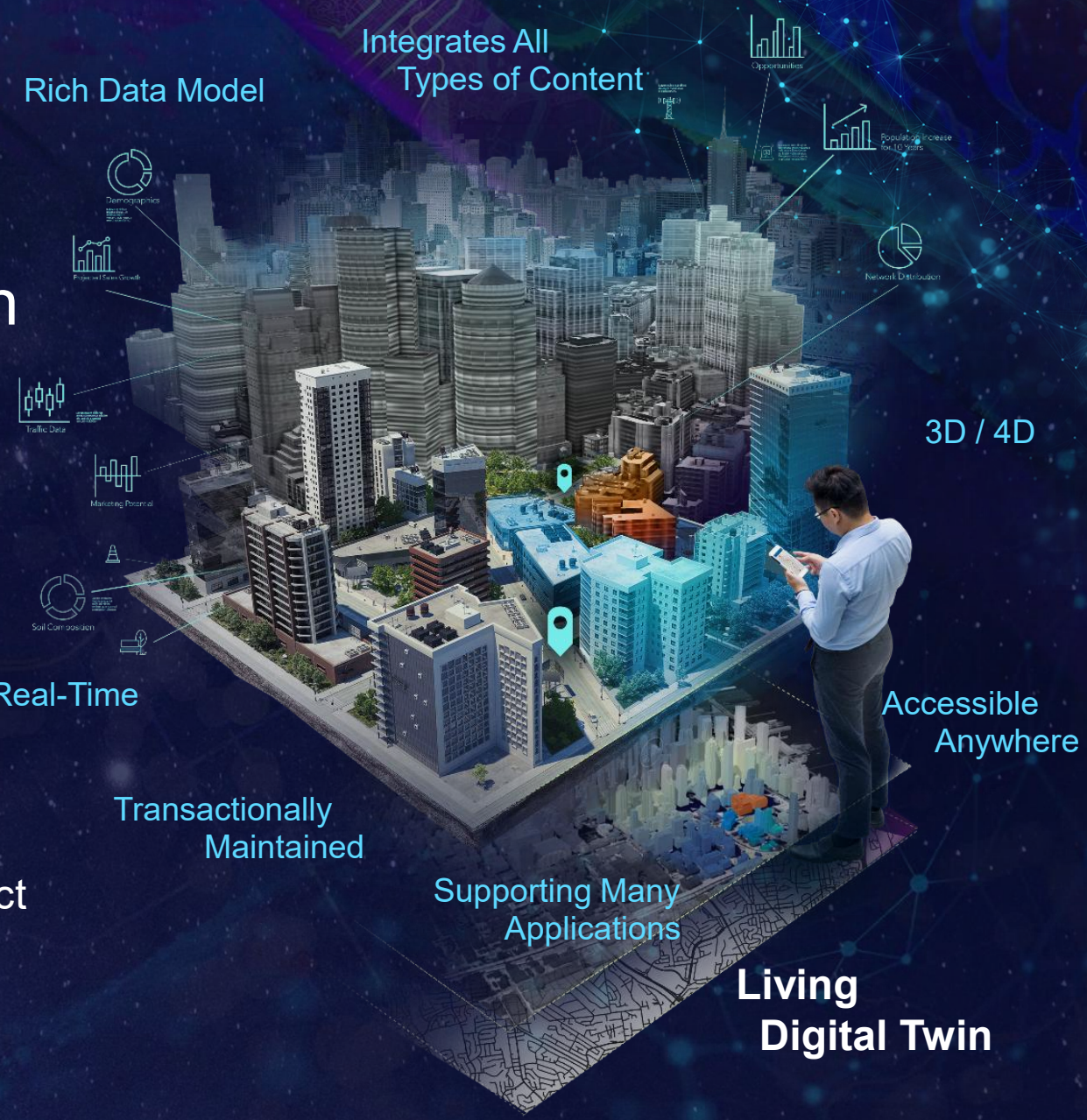
Enabling the System of Where

GIS

and The Geographic Approach

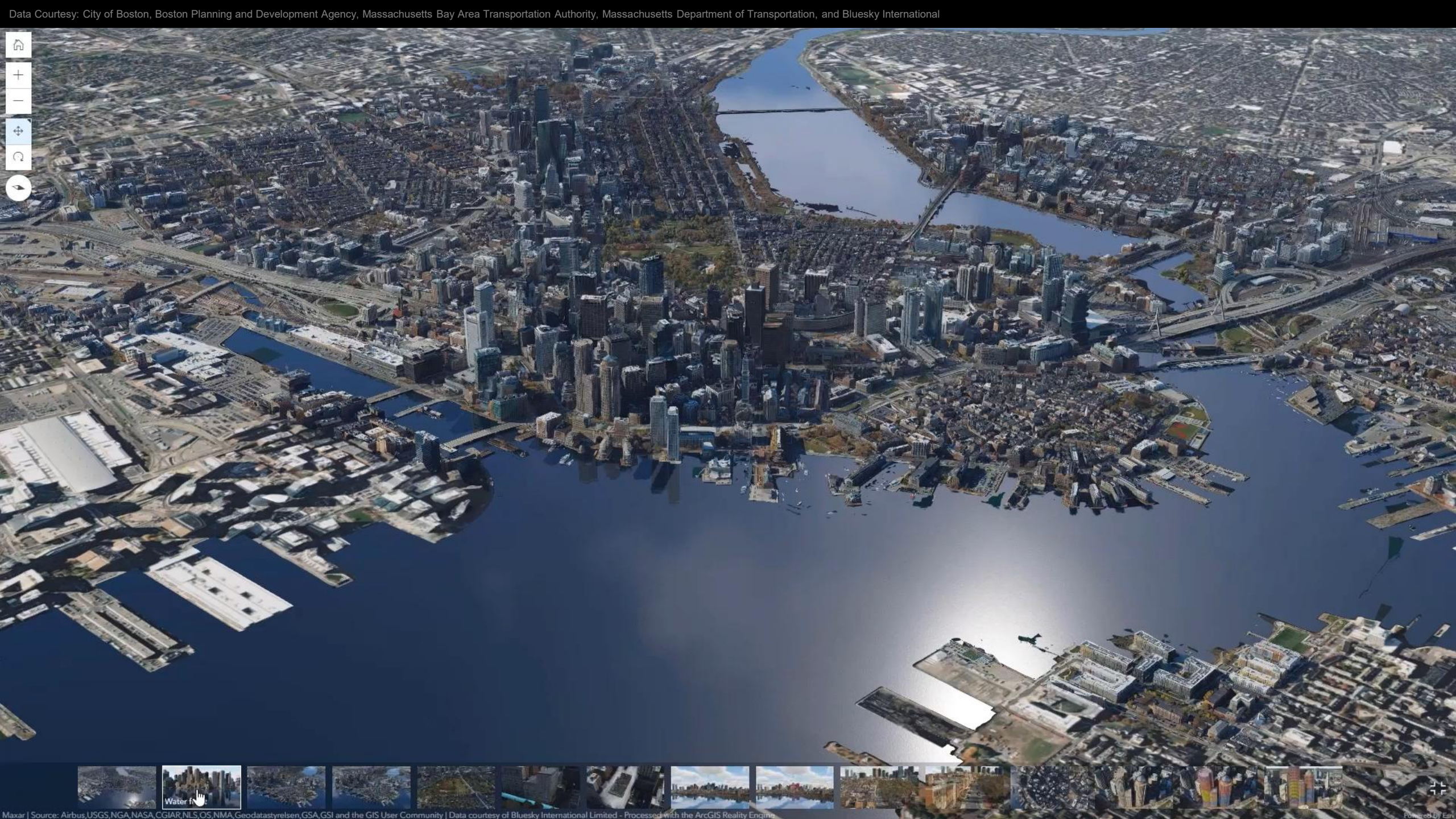
Integrating Everything
. . . Everywhere

Transforming How We
Understand and Act



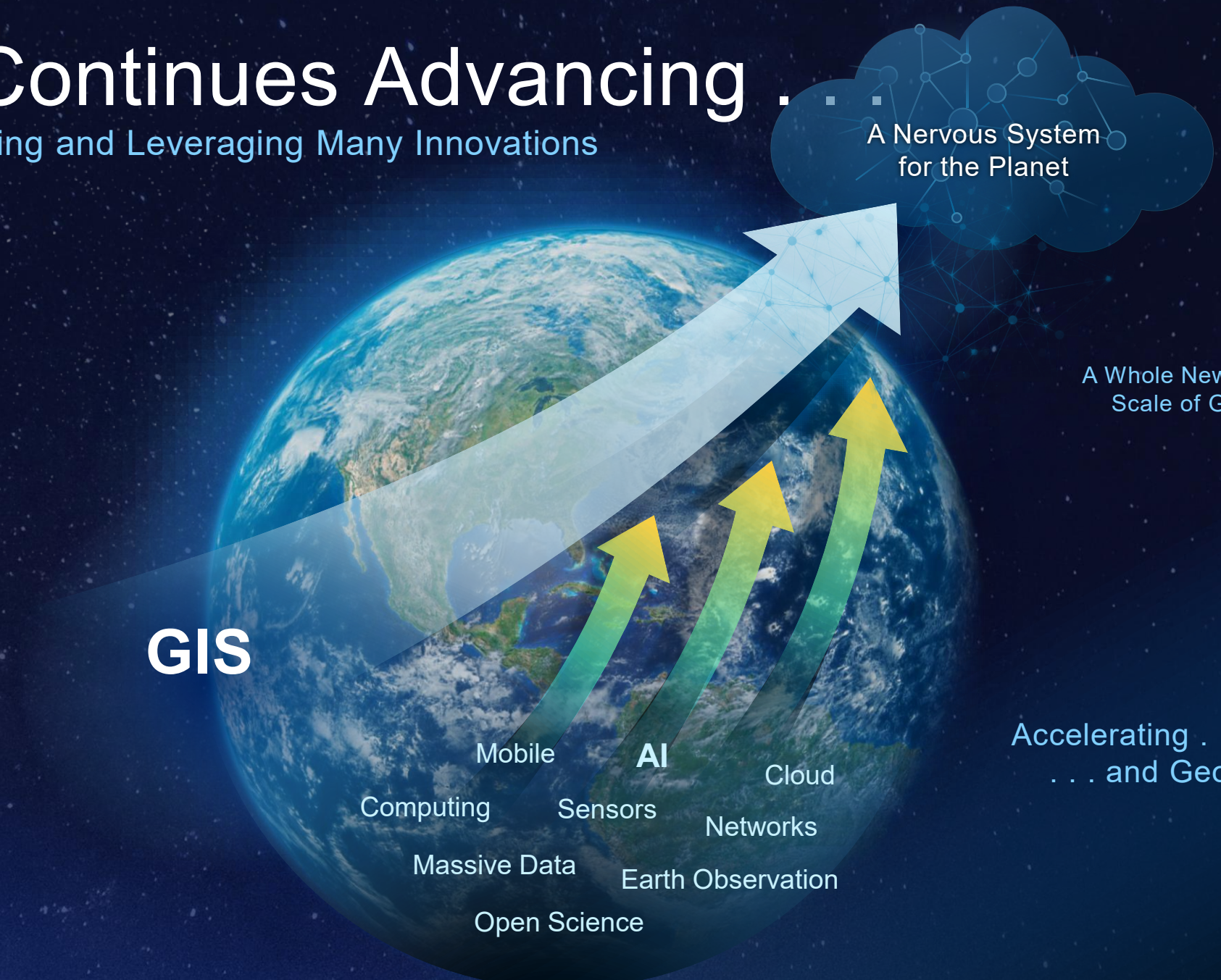
GIS Supports the Living Digital Twin Lifecycle

A framework for shared understanding


Data Courtesy: City of Boston, Boston Planning and Development Agency, Massachusetts Bay Area Transportation Authority, Massachusetts Department of Transportation, and Bluesky International
Maxar | Source: Airbus,USGS,NGA,NASA,CGIAR,NLS,OS,NMA,Geodatastyrelsen,GSA,GSI and the GIS User Community | Data courtesy of Bluesky International Limited - Processed with the ArcGIS Reality Engine

GIS Continues Advancing . . .

Integrating and Leveraging Many Innovations



Accelerating . . .
. . . and Geoenabling
Everything

GIS Is Being Enhanced with AI

Delivering Transformational Value

Assistants

Providing Guidance

Automating Workflows

Opening Access to Everyone

GeoAI

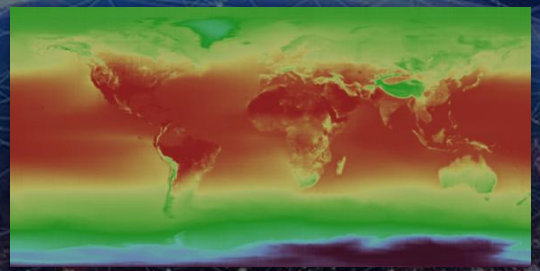
Monitoring Change

Capturing and Updating of Data

Improving Productivity & Efficiency

GIS

Predictive Analytics



Advancing Geographic Modeling

GIS Agents

Integrating GIS with Agentic Ecosystems

AI

Accelerating Geospatial Intelligence

. . . Helping GIS professionals do their work better

AI MAPPING

ArcGIS

is an Enterprise Platform

Supporting Mission-Critical Systems & Applications

Many Implementation Patterns

- Workflows
- Apps & APIs
- Services
- Data
- Infrastructure

Scalable

Secure

Reliable

Interoperable

A Well-Architected Platform

ArcGIS is an Enterprise Platform *on which* Systems are Designed, Built & Sustained

ArcGIS *Platform*

Products

Capabilities

SaaS

Software

PaaS

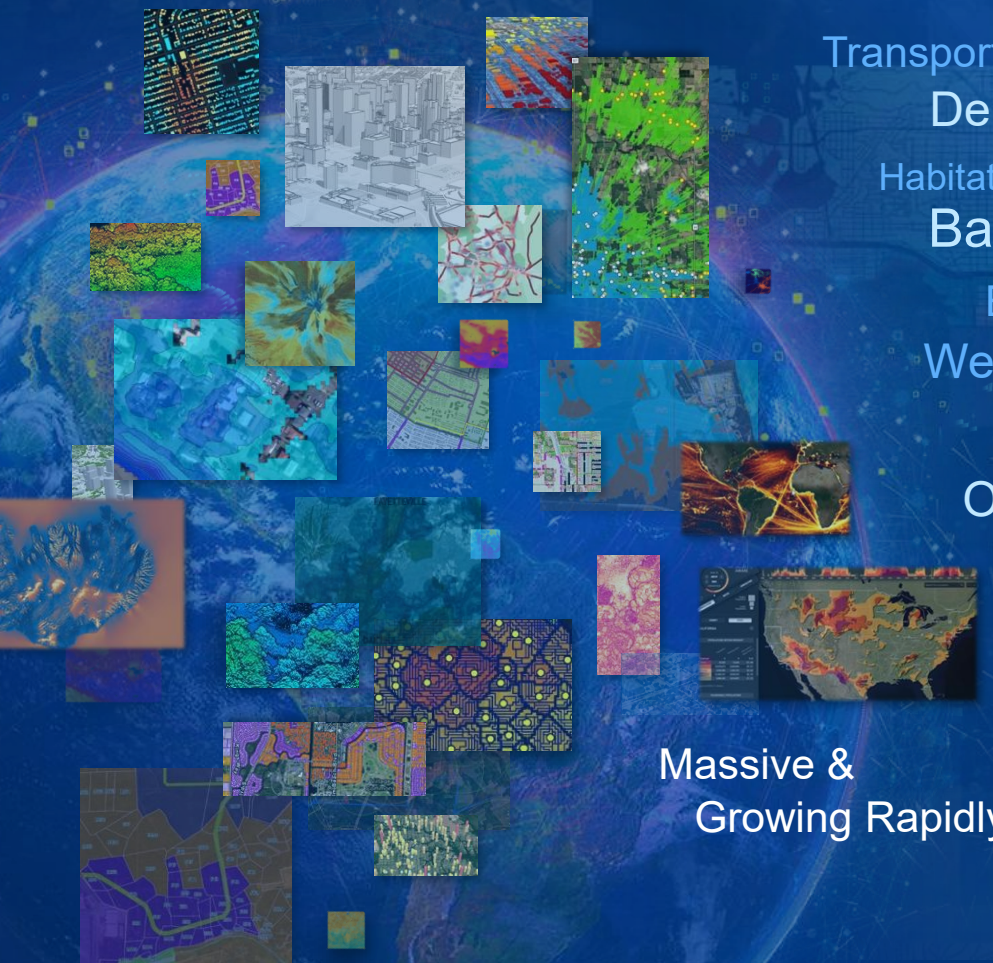
ArcGIS *Systems*

- Workflows
- Apps & APIs
- Services
- Data
- Infrastructure

Network Management System
Mapping & Analytics System
Land Management System
Digital Twin System
Security Operations System
Airport Safety System
Volunteer Data Collection System
Damage Assessment System
Disease Surveillance System …

ArcGIS Includes Content – Living Atlas

A Curated Collection of Ready-to-Use Maps and Layers



Infrastructure
Soils
Transportation
Hazards
Demographics
Habitats
Landscape
Basemaps
Hydro
Environment
Traffic
Weather
Elevation
Imagery
Biodiversity
Oceans
POI
Boundaries
Movement
Business
Land Cover
Ecosystems
Energy

Massive &
Growing Rapidly

New & Improved

- **Analysis Optimized Imagery**
- **Enhanced 3D Basemaps**
- Google Photorealistic Basemap
- Overture Basemap
- Community Road Closures
- Marine Protected Seas
- **GBIF Data Extraction**
- iNaturalist
- Biodiversity
- Land Cover (1980s–2024)
- **World Imagery for AI**
- World Transit Service
- Winds
- GeoAI Models
- Ecosystems 2050
- **GeoEnriched Hexbin Data**

US Only

- **Nationwide Parcels**
- 2025 Esri Demographics
- **NAIP Imagery**
- Census & ACS
- **Transit Feed**
- Broadband Data
- Hydrology (NHDPlus)
- NGDA Layers

Premium Content

- **Imagery**
- Demographics & Tapestry
- Parcel Attributes
- . . .

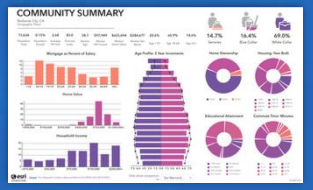
Built using community contributions and commercial sources

ArcGIS Includes Many Apps

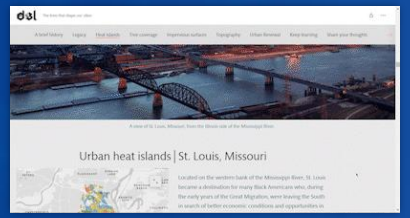
Supporting All Types of Users

Experience Builder

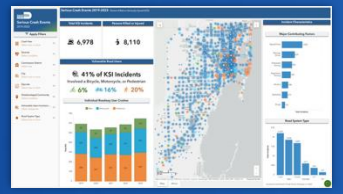
Infographics



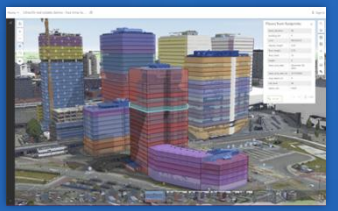
StoryMaps



Dashboards

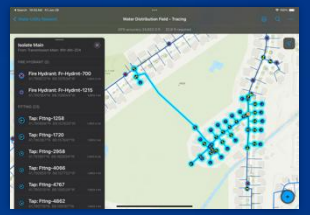


Scene Viewer



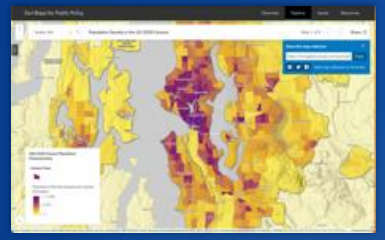
Atlas

Field Maps



Earth

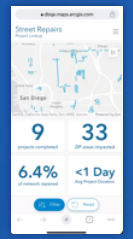
Map Viewer



Survey123

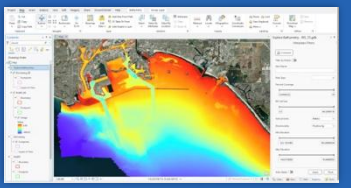
QuickCapture

Instant Apps



Business Analyst

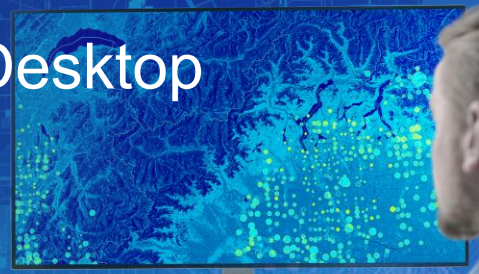
Pro



Web

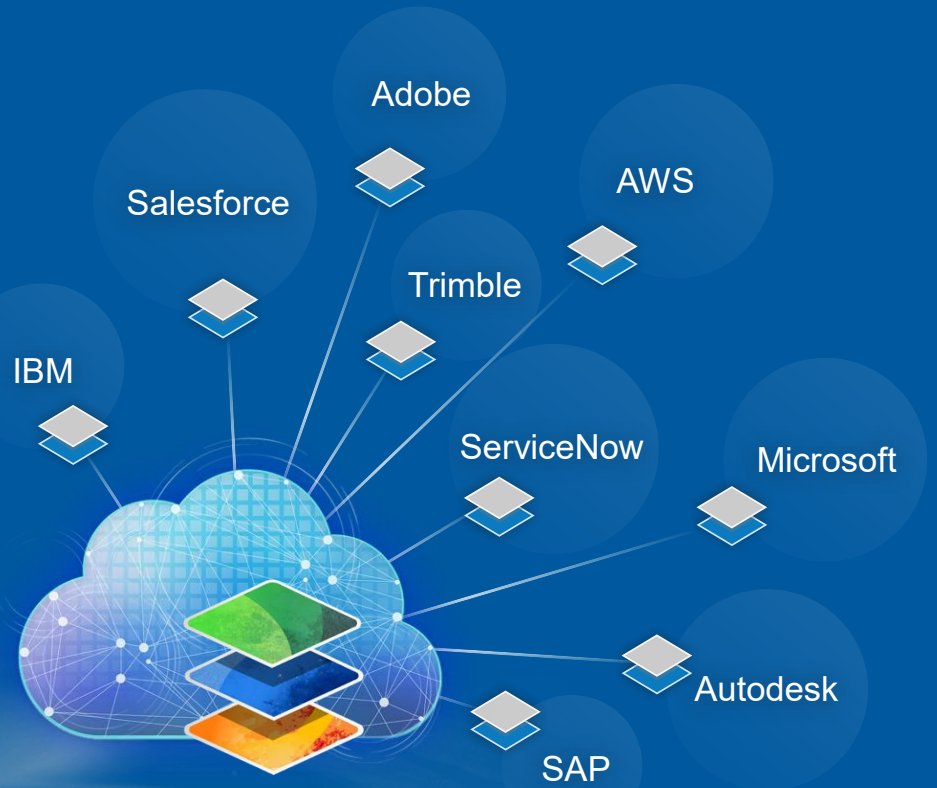
Mobile

Desktop

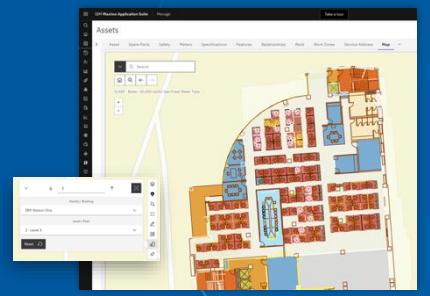


Integration with Other Systems

Interconnecting and Geoenabling Enterprise Business Workflows



Asset Management



Analytics

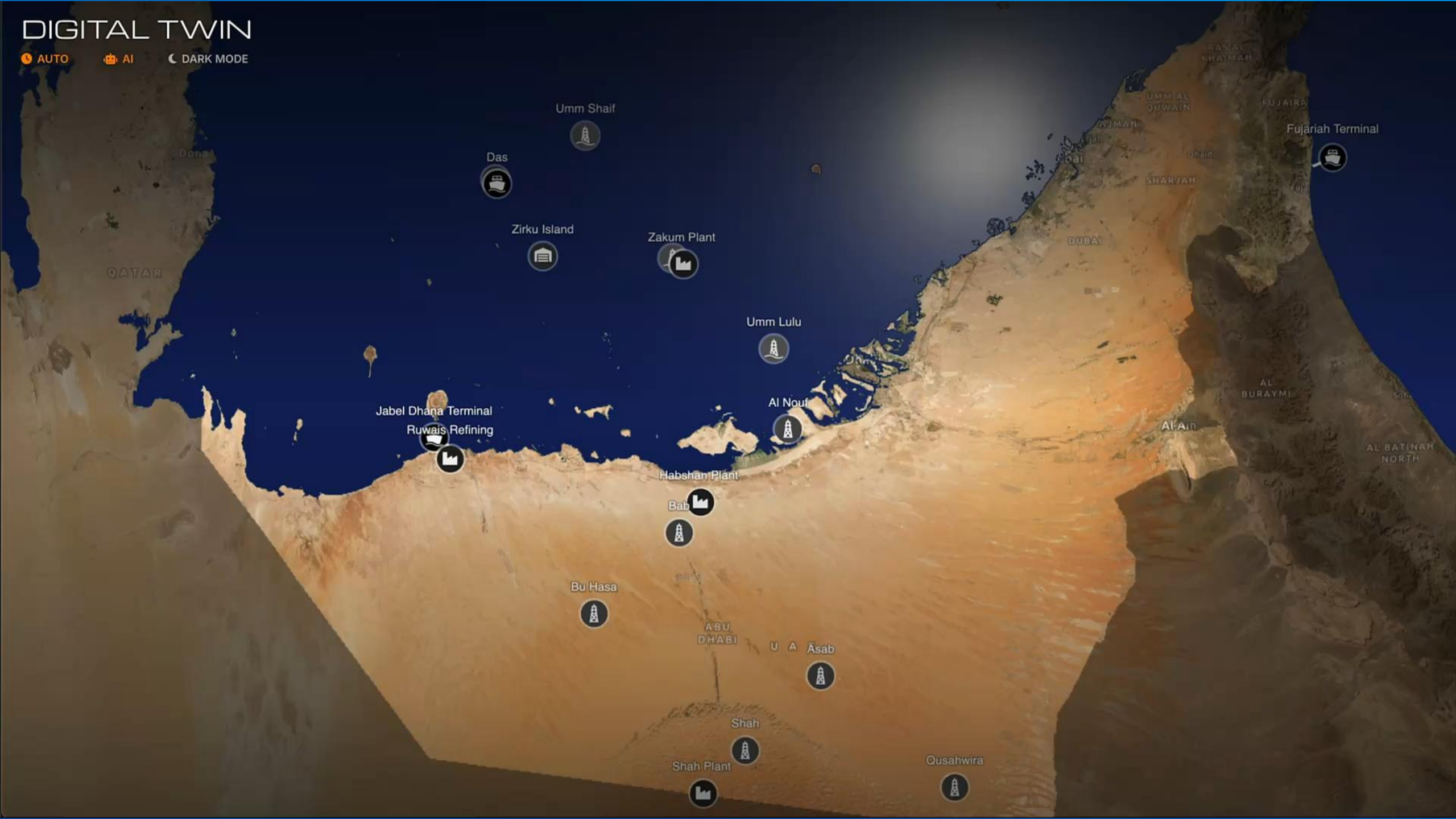
Engineering

Work Management

Graphic Design

Directly Supported as Part of ArcGIS

ArcGIS Is Designed for Everyone


DIGITAL TWIN
AUTO
AI
DARK MODE
Umm Shaif
Das
Zirku Island
Zakum Plant
Umm Lulu
Jabel Dhana Terminal
Ruwais Refining
Al Nouf
Habshan Plant
Bab
Bu Hasa
Asab
Shah
Shah Plant
Qusahwira
Fujariah Terminal
QATAR
DUBAI
SHARJAH
AJMAN
UMM AL QUWAIN
RAS AL KHAIMAH
FUJAIRA
AL BURAYMI
Al Ain
AL BATINAH NORTH
ABU DHABI
U A

The work of GIS professionals
is playing a vital role
in infrastructure organizations

Transforming how they understand,
collaborate and solve problems

Integrating everything we know
. . . enabling holistic approaches

Applying The Geographic Approach

YOU

. . . GIS Professionals

Are becoming critical participants . . .

. . . creating the future

Helping maintain, manage and integrate

. . . Everything

Everywhere

esri
UC25
Integrating Everything, Everywhere