GIS and Mapping Are Becoming Essential

A Fundamental Language for Understanding and Managing Our World

Providing Content and Context About Everything
Smart GIS Connects Everyone
Creating a System of Engagement

Supporting Real-Time Awareness and Collaboration

Communities
Organizations
People

GIS Provides a Common Language for Communication
Smart GIS Integrates Real-Time Data
Providing Dynamic Information About Everything
Smart GIS Integrates Everything

Connecting People, Processes, Things and Data About Them

Improving Efficiency, Collaboration and Communication

Supports Multiple Types of Systems

System of Record

System of Insight

System of Engagement

Helping Organizations Understand . . .

. . . And Be Aware, Alert, and Responsive
Smart GIS Enables New Types of Collaboration

Connecting Individuals, Organizations and Communities

Creating a Nervous System for Our Planet
Public Safety and Security

EMS Resources
- Tel Aviv, Israel

Fire Response Times
- Illinois

Infrastructure Protection
- DHS

Acts of Terrorism
- Japan

Traffic Accidents and Schools
- Texas

Marathon Viewshed
- London, England
- Illinois

CCTV Viewshed

Spatiotemporal Crime Patterns
- Louisiana
- Peru
- Syria

Violence Hot Spots

Officer Involved Shootings
Preparing for and Responding to Disasters

- Assessing Vulnerable Populations
- Food Supply
- Humanitarian Resources
- Earthquake Simulation
- Seismic Prediction
- Refugee Camps
- Refugee Asylum
- Seismic Hazard Map
- Hurricane Storm Surge Model
- Wildfire Response Planning
- Hurricane Matthew

Locations:
- Manila, Philippines
- Japan
- South Sudan
- UN-Yemen
- Europe
- Washington
- Sweden
- Delhi
- Maryland
- FEMA
Urban, Regional and Conservation Planning

Urban Design
- California
- Abu Dhabi, UAE

Green Infrastructure
- New Jersey

Online Development Proposal Review

Coastal Zone Management
- India

Regional Planning
- South Carolina
- Mumbai
- Honolulu
- Miami-Dade
Smart GIS Engages Communities

“Community GIS” Is a New Pattern

Providing a Platform for Civic Engagement . . .
Enabling Smart Communities . . .
Expanding Their GIS to Support Everyone

COMMUNITY LEADERS
CITY STAFF
CITIZENS & NGOs
SCHOOLS
START-UPS
COMPUTER LEADERS
ECONOMIC DEVELOPMENT
SOCIAL SERVICES
PUBLIC SAFETY
A Modern GIS ….
A System for Managing and Applying Geographic Information

Web GIS

Data Management

Data Collection Workflows

Real Time Measurements

Remote Sensing

Science (Modeling and Analysis)

Monitoring and Reporting

Planning, Policy and Decision Making

Citizen Engagement (Open Data, Crowd Sourcing e-Gov.)

A Platform for Supporting Smarter Governance
The Hub Approach

Inside
Enterprise Focus

Outside
Community Focus

- Citizens
- Startups
- Academia
- Journalists
- Developers
- NGOs
- Open Data
- Maps Gallery
- Applications
- Dashboards
- Story Mapping
- APIs
- Initiatives
- More…

Community GIS

Portal

Partners

• Local
• State
• National
• …

Planning
Public Works
Police
Fire
Thank You

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