

Enterprise Geographic Information Systems (GIS)

Spatially Enabled Business Intelligence
Application and Demonstration

Enterprise GIS

- Servers, Storage & Associated Software
- Used to manage and deliver large volumes of information
- Integrate and coordinate existing business processes
- Present data in a “actionable” format
 - Easier to query, digest, and relate

What is an Enterprise GIS?

Enterprise GIS



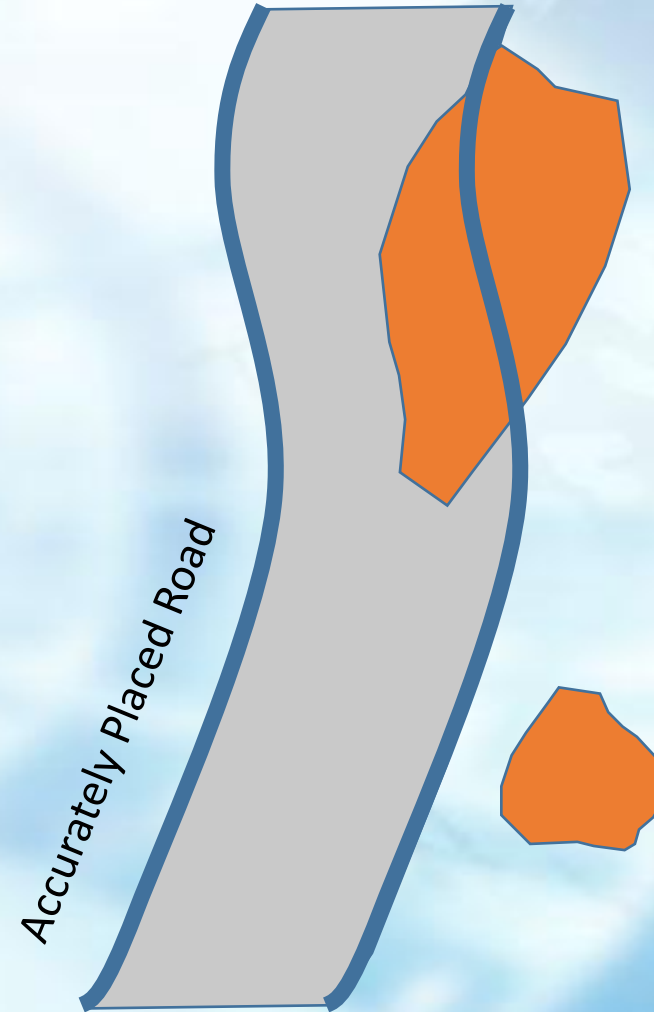
Awesome Road Feature Creation Team

Make Data Accessible

Make Data Usable

Refine Requirements

Automate data processing



GPS/Mapping Applications

- Combine seemingly disparate data to make better decisions
- Example:
 - Finding Nearest Restaurant
 - Routing/Network
 - Mash-up information (restaurant reviews) ((Field input)) - Avoid Traffic
- GIS applications can support the business, and the business doesn't know they're even using it.



An Effective Enterprise GIS

- Process to turn data into actionable information
- Intuitive Interfaces
- Communicate more effectively
- Make better use of resources
- Mash-up external information
- Make better decisions

ROI

Support Business Processes through solutions that result in a clear Return Of Investment (ROI) : increased effectiveness (value for the customer) and increased efficiency (less costs for the company).

Key benefits:

- Broaden Access to Critical Information
- Infrastructure and Data normalization
- Common Operating Picture
- Extending user capabilities
- Ease of data and toolset update/deployment

Case Studies – GIS Enterprise Applications that:

- Address common enterprise issues differently
 - Security/Permissions
 - Expose/hide sensitive or unfinished data
 - Unique business line workflows
 - Project/Task management
- Highlight the power of spatial queries
- Blend data from multiple sources

NAVAIR Viewer

- Utilizes individual web viewers for key business lines
 - Enables separate workflows for Facilities, Environmental, Cultural, Military Testing
 - Adds another level of separation/security
 - Allows users to QAQC data and information
- Maintains centralized databases/repository
 - Facilitates the sharing of data produced by entities across the organization
- Specialized Print Templates for Regulation Requirements
- Ease of data and toolset update/deployment
 - Tool Deployment does have to happen for each viewer

The screenshot shows the NAVAIR Mapping Portal website. At the top right, the logo reads "NAVAIR Mapping Portal". Below the logo is a navigation bar with buttons for "Home", "File Library", "FAQ", and "Admin". The main content area features a "Welcome" message with the NAVAIR logo and a description: "Welcome to the NAVAIR Mapping Portal. Designed to facilitate efficient business workflows and provide a centralized repository for related geospatial and tabular data primarily for the Southwest Naval Installations." Below this is a grid of application tiles: "NAVAIR Viewer" (with a sub-label "NAVAIR Viewer" above it), "Command Artifacts", "Test Management", "LIXD Escort Request Form", "Microspeech", and "Constraints viewer". To the right of the grid is an "Announcements" section with the text "Viewers Updated | Servers Migrated" and "posted: 2/27/2013". Navigation arrows for "Previous" and "Next" are located above the grid.

Utilizes individual GIS web viewers,
accessible through a common portal,
for key business lines

NAVAIR Video 1

NAVAIR Video 2

Mission Compatibility Analysis Tool

- Common Operating Picture and Collaboration
 - Customizable workflows and views based on profile
- Project Management
 - Tasking / Tracking
 - Automated Notification
- Reporting
 - Automated / Scheduled Delivery
 - Command Overview
- Transparent, Defensible, Repeatable Analysis



[MCAT Video 1](#)

[Video 2](#)

[Video 3](#)

eSiting

- Project organization and simplified site analysis
- Large amount of external datasets
- Simple Spatial Analysis and Feature Creation
- Reporting
- Transparent, Repeatable, Analysis

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Project Siting Simplified

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WAVE **GEOTHERMAL** **SOLAR** **WIND**

MAPPING
SITE FEASIBILITY
ENERGY POTENTIAL
CONSTRAINT ANALYSIS
REQUIREMENTS
RESTRICTIONS

To know your site, visit ours...
eSiting™
Project Siting Simplified

What is eSiting?

eSiting is an extension to the environmental consulting and geospatial information systems services of Epsilon Systems Solutions, Inc. eSiting is a convenient, online service being deployed to simplify Renewable Energy, Traditional Energy and Civic project siting assessment including pre-screening, feasibility, and constraints analysis.

eSiting is built on a powerful Geographic Information System (GIS) and Project Management framework to provide comprehensive geospatial site prescreening, mapping, analysis, printing, project tracking and information acquisition/storage.

Understanding of interactions with permitting agencies, environmental, Department of Defense, and adjacent land use during each stage of a project's development and operation is critical to successful deployment. eSiting enables users to evaluate a location within the continental United States to determine site feasibility and track primary and alternate site locations.

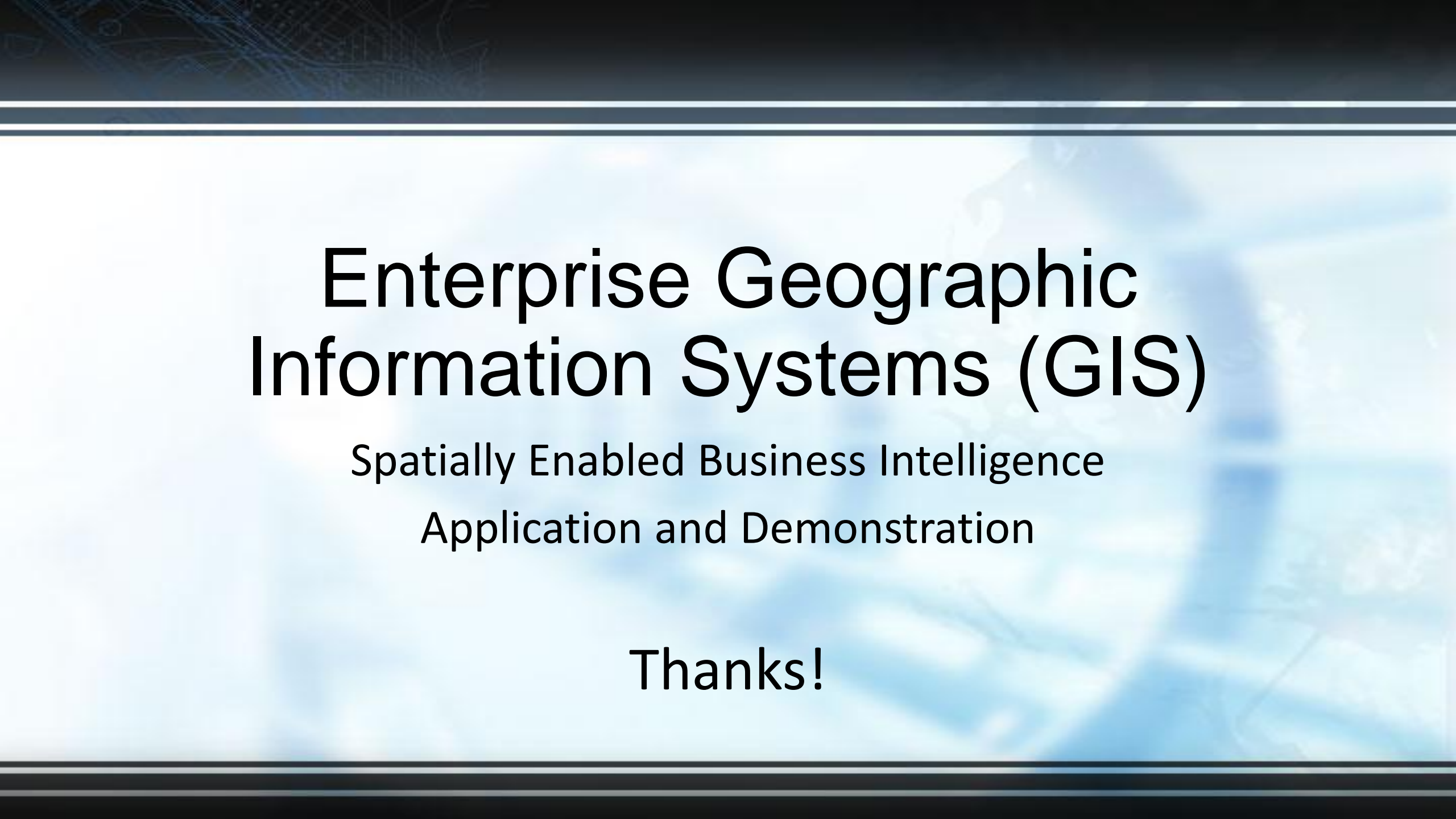
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Esiting Video 1

Esiting Video 2



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Thanks!