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?

Awesome Road Feature Creation Team

Make Data Accessible
Make Data Usable
Refine Requirements
Automate data processing
What is an Enterprise GIS?

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

Applications - MCAT

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
Enterprise Geographic Information Systems (GIS)

Spatially Enabled Business Intelligence Application and Demonstration

Thanks!