Problem

Navy needs to support planning of new platforms (planes, ships, vehicles, etc) using new and existing Shore facilities
Decision Support:
What are the obstacles when making decisions?

- How do we describe complex scenarios to many people at the same time?
- How do we engage all interested parties/stakeholders?
- How do we capture consensus?
Decision Support:
What are the tools and techniques we currently use to support decisions?

Photos
Paper
Powerpoint

GIS
CAD
Do these techniques answer the questions defined by the obstacles?

- No
Deficiency identified

- Current tools and techniques did not support decision making
- Result: Planning and acquisition support slows down, adding unnecessary cost and time
Areas for improvement

- Create a tool to allow multiple users access to:
  - Real locations
  - Real products
  - Real facilities
Areas for improvement

- Allow the users to
- Manipulate the models
- Save and modify configurations
- Markup views
- Share
Solution

SPIDERS 3D
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An Interactive web-based 3D Tool

- 3D real world locations
- Product Models
- Facility Models
- Simple Interface
- Multi-User
3D Real World Locations

- 100+ scenes
- 18KM x 18KM
- Geospatially accurate
- Multi-resolution imagery
Product and Facility Models

- Over 90 models
- Original file format examples
  - 2D/3D CAD
  - 3DSMax
  - STEP
  - Paper
Simple Interface

- Drag and Drop
- Minimal Interface Elements
- Non-obtrusive feedback
Multit-User Collaboration

SPIDERS 3D
NMCI

- Network and Security
- Available Software
- Client Machines
Network and Security

- Oracle Single Sign-on
- Built for 800,000+ users (not speed)
Available Software

- Can not install software on client machines without approvals
- Internet Explorer 8
- BitManagmeent
Client Machines

- Windows 7
- Intel 3000/4000 graphics
- Less than 8 GB ram
- Core i5
Interactive web-based 3D technologies are leading the development of new opportunities in health, geospatial, and defense

- The Navy is using web-based 3D
  - For Planning and Acquisition Support
  - Leveraging Collaboration
  - To enhance Decision Support