



# Web-Based 3D Virtual Naval Installation Environments

## Informational Overview

January 2017

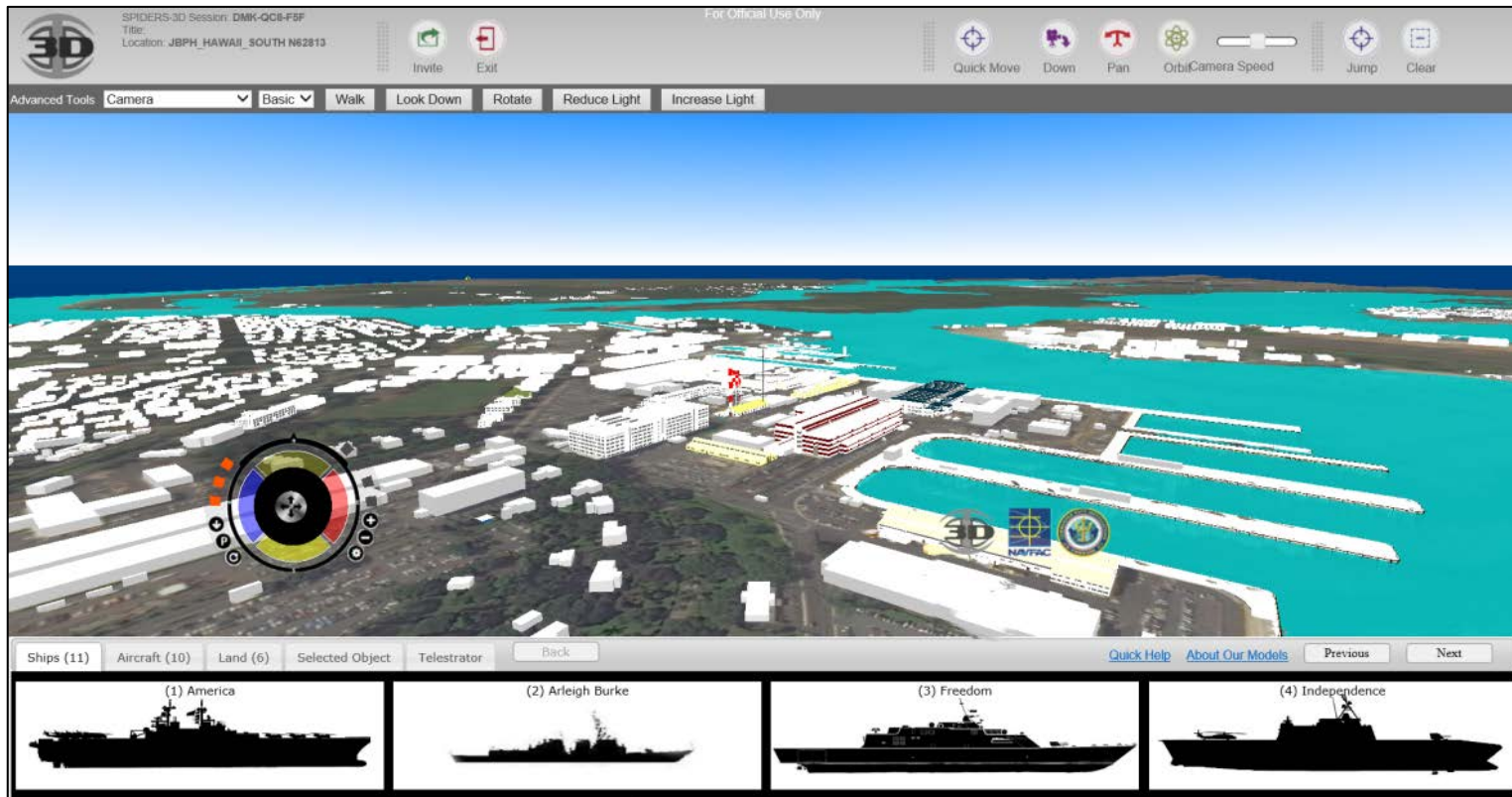
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# Web-Based 3D Naval Virtual Environments



## What is SPIDERS 3D?

### SPIDERS 3D is a Virtual Reality Whiteboard



# Web-Based 3D Naval Virtual Environments



- **Enhancing wide range of enterprise IT capabilities:**
  - **Real-time, multi-user, interactive 3D collaboration**
  - **Unlocking, integration and contextualization of disparate 3D data sets**
  - **Cross-platform scalability**
  - **Data archival stability**
  
- **Enabling 3D technology implementation positively affecting:**
  - **Velocity of learning, increased knowledge sharing, pace of stakeholder consensus and decision making**
    - **Organizational efficiencies**
  - **Value of collected and generated 2D & 3D data**
  - **Interoperability of evolving digital thread strategies**
    - **Model optimization, 3D scanning and 3D printing**

***Improved organizational efficiencies = improved operational effectiveness = competitive edge against our adversaries***

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## Use Cases



- **Early and iterative systems engineering risk assessments**
  - Interfacing of disparately engineered 3D models
  - Harmonizing compatibility between 21<sup>st</sup> century platforms and 20<sup>th</sup> century facilities and infrastructure
- **Quickly and accurately visualizing “what if” scenarios for advance planning**
  - Logistics spatial quandary
  - Mission support planning
- **Environmental data visualization**
  - Bathymetry and topography
- **Security and safety posture assessments**
  - 360 degree line of sight analyses
  - Explosive arcs/spheres

*Enhancing analytical decision making & visual communications across Navy Enterprise*

# 3D Naval Installation Virtual Environments

## SPIDERS 3D eTool




Unclassified

https://spiders.navy.mil/pls/apex/f?p=123:201:15973270527821: spiders.navy.mil

File Edit View Favorites Tools Help


For Official Use Only



### SPIDERS•3D

Welcome to SPIDERS•3D. NAVFAC's interactive 3D planning and decision support tool. SPIDERS•3D users are able to interact with over 100 Naval installations world-wide, dynamically adding content such as ships, vehicles, and aircraft. SPIDERS•3D also focuses on shared information, invite anyone else to join you in the 3D environment to discuss the unique situation you have created.

Create	Join
Create New Session At: <input type="text"/>	Session History: <input type="text"/>
Session Title: <input type="text"/>	Join Existing Session: <input type="text"/>



SPIDERS 3D Information | NAVFAC Integrated Product Support

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