WorldWind Is... 

- Open-Source Virtual Globe
- Java, JavaScript, Android and iOS
- Library for use in any app or web page
- An Application **Component**, not an ‘app’ itself
WorldWind Provides

• Geographic Context for Data and Information Visualization

• Rich Set of Shapes and Graphics Primitives

• Data Import From Anywhere: Local, Web, Cloud, Database, OSM,…

• Provides Viewing, Picking, Scene Control, etc.
Who Uses WorldWind?

- ESA, an other European government agencies.
- NASA, and other US government agencies including, FAA, MDA, NGA, DoD, etc.
- A wide array of National government agencies.
- A wide array of corporations, LMCO, NGC, Thales, etc.
- International agencies, UN, NATO, etc. . .
Fully instrumented flight simulator
Not one app, any app you want. . .
FAA Air Traffic Management
Sub-Surface

Image from Dynamic Graphics, Inc.
Interactive Analysis
Interact with Terrain
Interact with Buildings & Terrain

Line-of Sight
Architecture
Extensible Modular Componentry
Built to last
Any Data Source
Any Data Type

Maps
- GeoTIFF
- PNG
- JPEG (+2k)
- GeoJSON

Geometry
- KML
- Shapefile
- GML

Imagery
- Collada
- GeoRSS
- DWG
- NMEA

Structures
- NITF
- RPF
- VPF

Terrain
- Shapes
- Video
Any Platform

- Windows
- OS X
- Linux
- iOS
- Android OS

- Desktop
- Laptop
- Android
- iPad
- iPhone

- Internet Explorer
- Firefox
- Chrome
- Safari
Any Deployment
Features

- 3D Virtual Globe
- 2D Map with Projection Choices
- Imagery & Elevation Import
- Picking
- Extensible
- Data Retrieval via REST, WMS, WCS, WFS, Bing, User Defined
- Placenames
- KML Import
- Shapefile Import
- Decluttering
- Measurement
- Line-of-Sight
- Subsurface Visualization
Shapes

- Placemark
- Path
- Polygon
- Extruded Polygon
Volumetric Shapes
Multi-Window

Synchronized or Not
• Accurate Earth context for spatial data.

• API-centric modular componentry for any App.

• Easily learned and quickly incorporated.

• Fully extensible, add any functionality.

• World’s first and oldest Open Source virtual globe.