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Matching the Right Technology to Your Need

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ArcGIS 3D Analyst Extension

ArcGIS 3D Analyst is an extension to ArcGIS desktop that allows you to effectively visualize and analyze surface data. Using ArcGIS 3D Analyst, you can view a surface from multiple viewpoints, query a surface, determine what is visible from a chosen location on a surface, create a realistic perspective image that drapes raster and vector data over a surface, and record or perform three-dimensional navigation.

Author:	ESRI
More Info:	http://www.esri.com/software/arcgis/extensions/3danalyst/index.html
Related Tools(s):	ArcMap
Capabilities:	2-D to 3-D Conversion, 3-D to 2-D Compositing, Allows conversion/export to different formats, Animation, Apply and edit color and/or textures, Can read data from other applications, Create 3-D View, Create Perspective Views, Dimensions and Labels, Display Maps, Drawing Layers, Edit 3-D Objects, Edit Maps, GIS, Lighting and Shadows, Measurements, Overlay operation, Plug-in for other applications, Precise Positioning, Print compatible, Query Data, Relative distance operation, Search-by-region operation, Typography, Vanishing point with 3-D, Walk through/ Fly through
Typical Use:	Data Visualization, Demographic Analysis, Land use assessment, Location Analysis, Neighborhood Analysis, Network Analysis, Population assessment, Spatial Analysis, Terrain Analysis, Visual Analytics
Special Features:	Advanced skills needed, Data Hungry, Difficult for novice users, Operating cost is above $1,500, Requires additional specialized hardware
Common Tasks:	Assemble Data for Project/Activity, Communicate Planning Info to Expert Users, Communicate Planning Info to Novice Users, Create 3-D Animations or Videos, Create Scalable Vector Drawings, Edit 3-D Images, GIS
Audience Profile:	Client, Community, Consultants, Stakeholders
Project Scale:	City, Neighborhood, Regional
Project Stage:	Comparing Alternatives, Data Analysis, Evaluating Impacts, Scenario Development
Target Audience Size:	10-25
Communication Method:	Same time/same place
Skill Level:	Proficient
Set Up Cost:	Medium
Operating Cost:	Low
Data Needs:	High

| **Set Up Speed:** | Medium |