

Bentley CONNECTION Events



Employing your 3D Models into Visualization Applications

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LumenRT

- Background
- Solution Principles
- Video Demonstration
- User Examples
- Helpful Links



LumenRT Background

- Acquired via the Bentley E-on Software acquisition (July, 2015)
- E-on is a leader in large-scale landscape and environmental scenery rendering
 - Defacto standard in the movie and entertainment business
 - Hundred's of blockbuster movies to its credit (e.g. Avatar, Indiana Jones, Terminator, Star Wars)
 - Pioneered real-time GeoDesign visualization
- Numerous awards and technology breakthroughs in CG authoring tools and real-time visualization



LumenRT Development History

- 2010 – Vue (non-real-time) product for architects and engineers
- 2012 – LumenRT Real-Time Platform (Sketchup only)
- 2013 – LumenRT Studio (Sketchup + MicroStation + Revit + Esri)
- 2015 – LumenRT 2015 (Full interactive Digital Nature authoring)

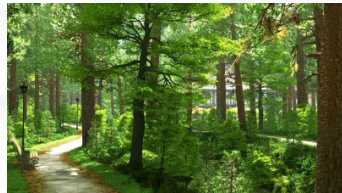
“Bring Your Designs to Life”

Enliven Designs with Life and Nature

Deliver Winning Stories



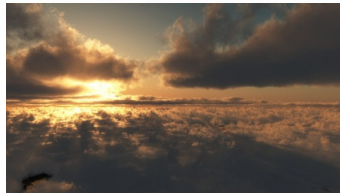
People



Plants



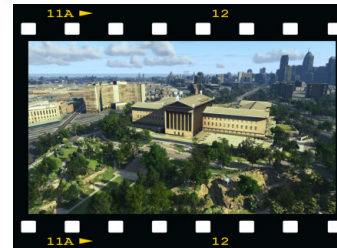
Water



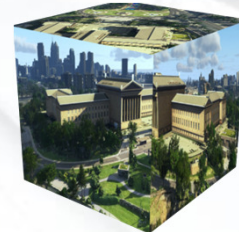
Weather



Images



Videos



Immersive LiveCubes™



Streaming



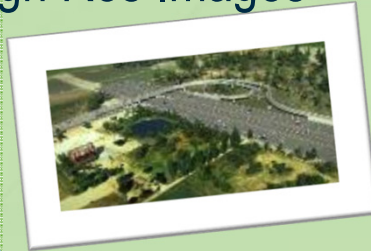
Virtual Reality

Visualization Media

Live Cubes



High Res Images



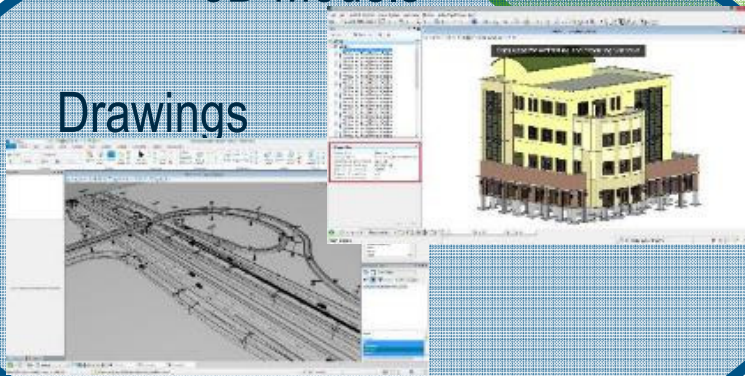
Virtual Reality



High Res Video

3D Models

Drawings



CAD Viz

LumenRT Viz

Winning through more Engaging Communication

Client Presentations



Design Reviews



Maintenance



Public Outreach



Construction



Training



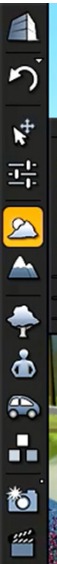
Bid

Build

Operate

LumenRT Solution Principles





☑ SUN POSITION

Time 1:47 PM

North 26°

Date Mar 30

Season

▶ WEATHER

▶ CLOUDS

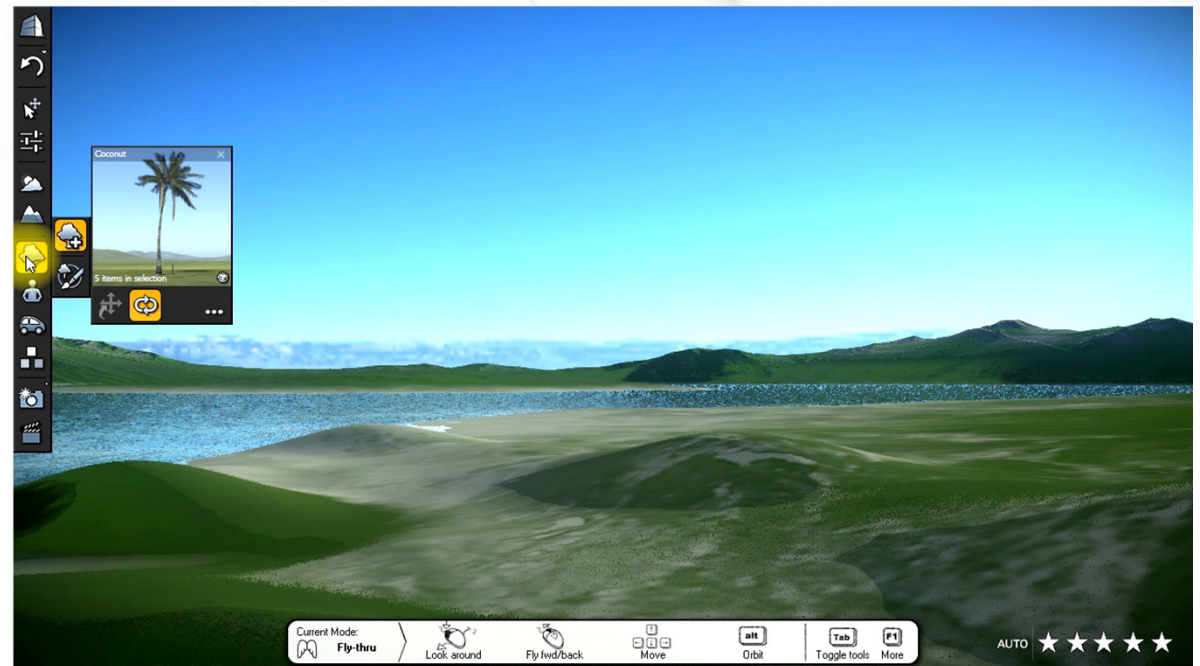
▶ WIND IN PLANTS





No more waiting

- Real-Time Rendering
- Rapid Scene Authoring and Editing
- Create Videos and Images in Seconds

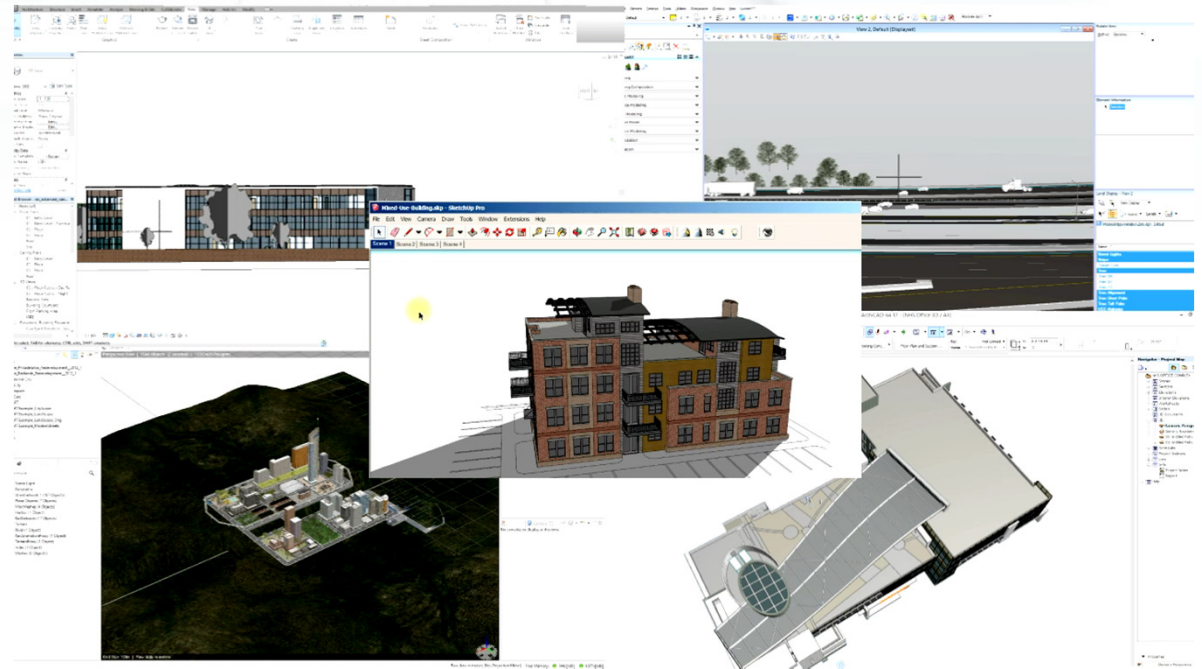




Just click the “easy” button



- Seamless CAD/BIM/GIS Integration
- Simple, Uncluttered Interface
- Master LumenRT in Under an Hour
- Can be used by engineers or CG professionals





- Vivid Cinematic Quality Imagery
- Accurate Day/Night Lighting
- Life-Like Natural Realism



Road and Rail

Public involvement meetings

- MicroStation and VISSIM traffic simulation
- Street lighting with IES profiles
- Pavement marking support



Building and Urban Development

Bid/proposal presentations

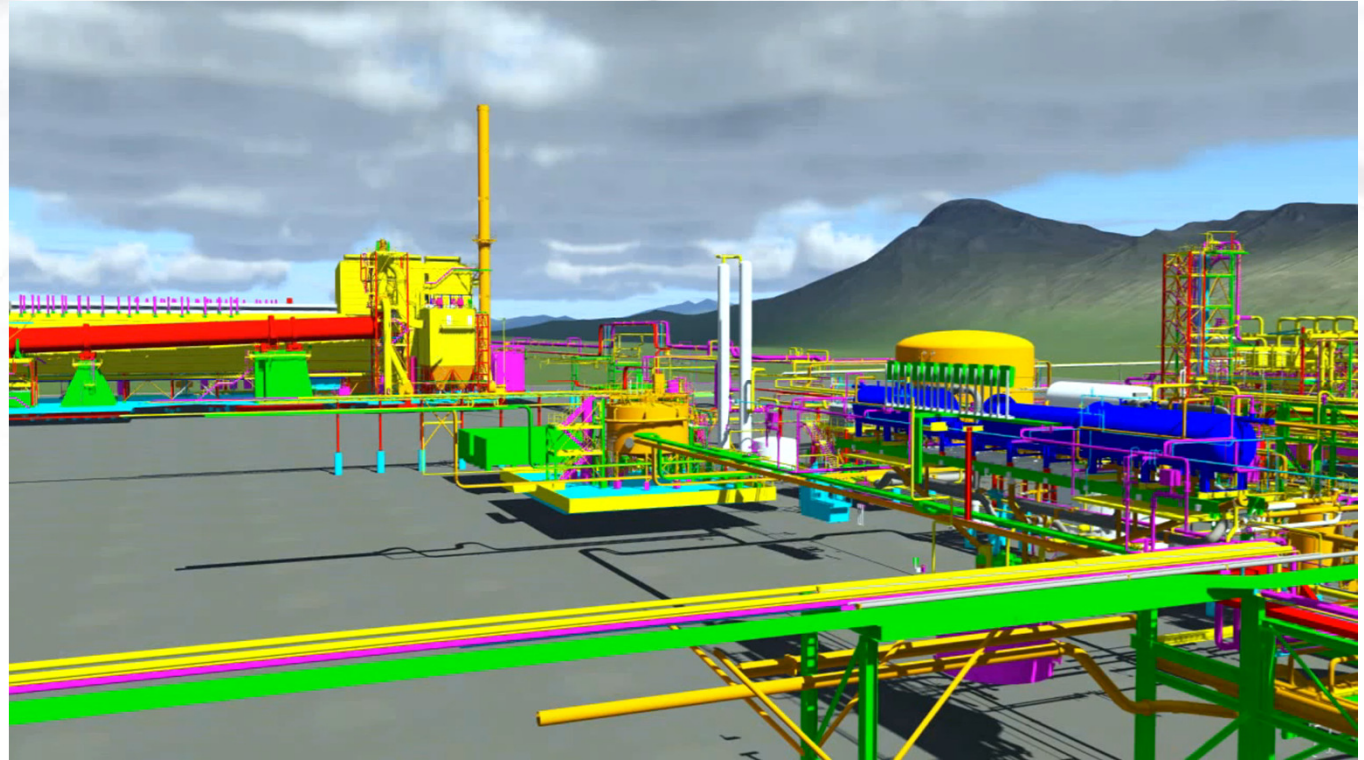
- Baked illumination for indoor scenes
- Seamless with all MicroStation products including AECOsim Building Designer
- Supports Revit, Sketchup, ArchiCAD and CityEngine



Plant, Offshore, and Mining

Training videos, live walk-throughs

- Handles very complex scenes
- Supports levels and section planes
- Model the complete environment



Utilities and Government

Environmental impact presentations

- Create 3D guided walk-throughs
- Works seamlessly with Bentley Map
- Huge content library
- Import custom models



Bentley LumenRT: Easy to Use - Easy to Own

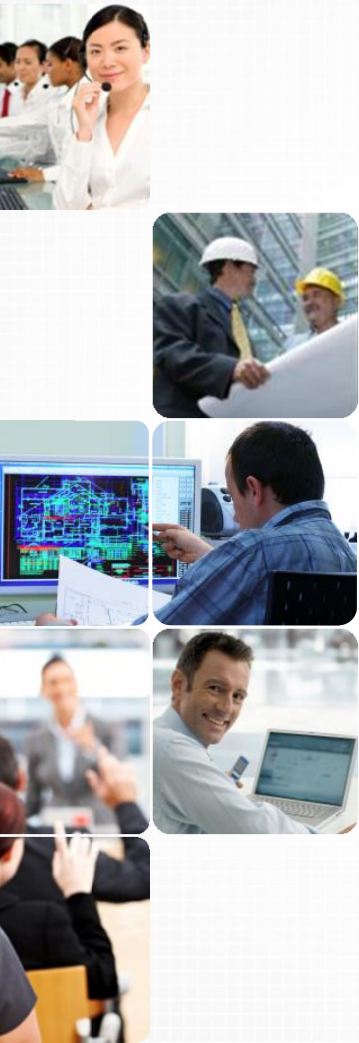
- Select Subscription – Quarterly (very attractively priced)
- Download directly from SELECTservices (includes a one week trial)
- Includes all updates and access to the extended LumenRT content libraries
- Includes the ability to publish and share LiveCubes with anyone
- Works with all MicroStation-based products (V8i and CONNECT Edition)
- Includes export plugins for Sketchup, Revit, CityEngine, and ArchiCAD

Helpful Links

- Bentley LumenRT Site
 - Bentley.com/LumenRT
 - Nice videos and info about LumenRT
- Bentley Visualization Forum
 - communities.bentley.com/products/microstation/microstation_visualization/f/19754
 - Helpful advice from other users
- Bentley Learn Site (Learn.Bentley.com)
- LumenRT.com (the old e-on software LumenRT site)
 - Tutorials
 - User forum: e-onsoftware.com/support/forum/viewforum.php?f=6
- LumenRT Online Help Wiki
 - e-onsoftware.com/wiki/LumenRT/index.php/Documentation

Why LumenRT





 | **Bentley**®

