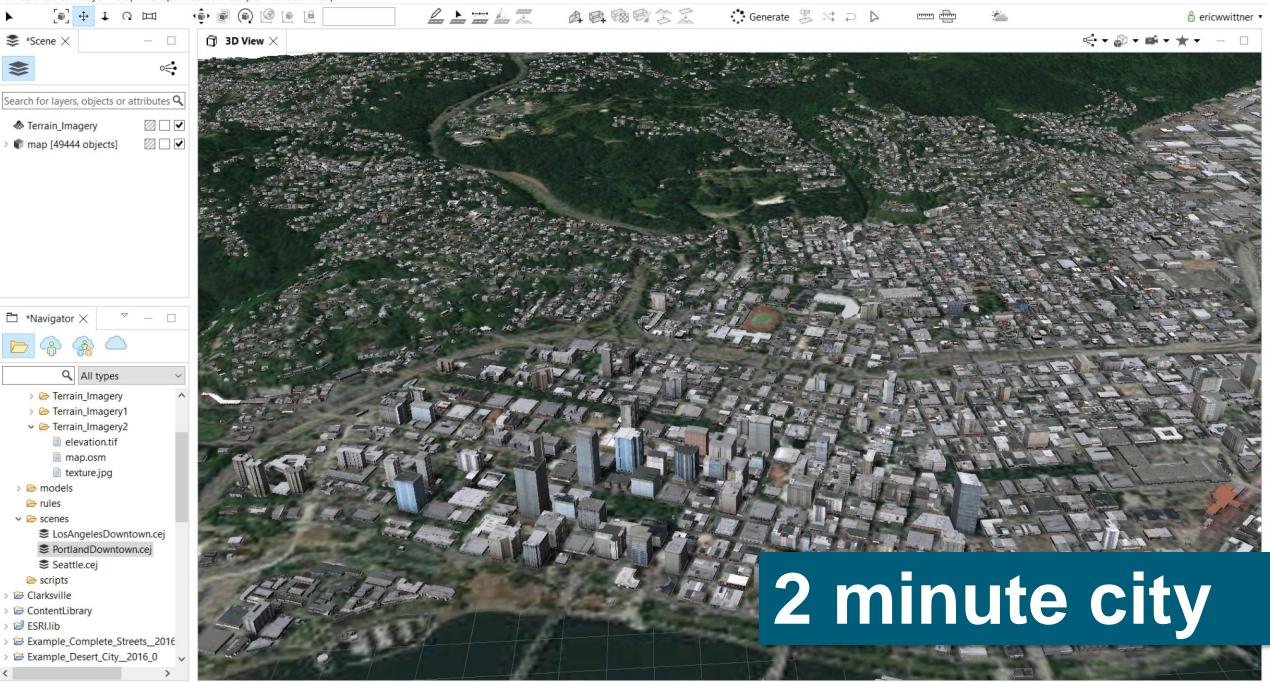


CityEngine: A Quick Introduction Eric Wittner 3D Product Manager

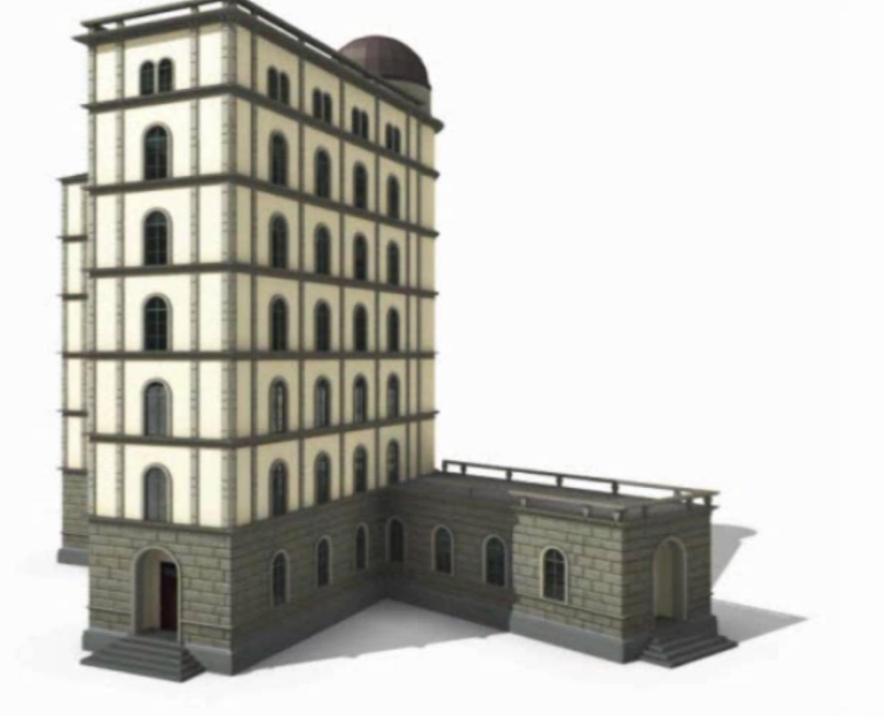
😃 CityEngine Advanced 2017.0 - PortlandDowntown.cej

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What is procedural modeling?

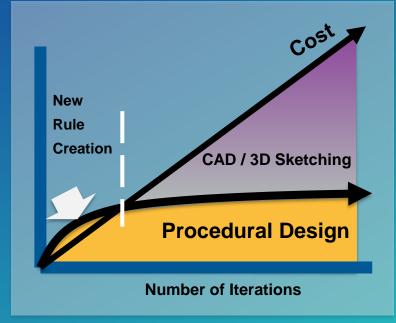


Procedural Modeling Provides a Flexible 3D Design Environment Supporting a Rapid and Repeatable Process

Steps

- Author Rules (or use Library)
- Generate Multiple Design Scenarios
- Evaluate

Alternatives





Particularly When Projects Require Many Iterations

Procedural Modeling is Intelligent Rule Based Database

- Interactive
- Multiple Views
 - Realistic Display
 - 3D Thematic Rendering
- Performance Reporting
 - Driven by Attributes
 - Visualized Dynamically





Design

3-D Zoning



Esri CityEngine

"Creating 3d faster, smarter, easier."

"Enabling the rapid and interactive creation of 3D content, en masse or in situ, that is visually compelling, quantifiable, and sharable."



em $\overline{\cap}$

Improved ease of use

ced 2015.2 - Esri_Zurich_OfficeSaveAs2.cej aver Graph Shapes Search Scripts Window Help



simpler tools e.g. better UI for get map data

e.g. move type visibility to 2ndlevel access

modern icons lets not look like windows xp anymore

> DPI sensitive + more spacing



 better toolbar toolbar in viewport as in scene viewer

OK Cancel

simpler 3D navigation no more 'press-first-frame' to tumble

feedback Use status bar

Export to ArcGIS 360 VR

Scenario 1

Later half of 2017

Web-Based Viewer GearVR Controller Support

Gear VR

Scenario 2

Esri CityEngine Roadmap

Available Scenario Management Dashboards Local Edits (Custom 3D models) 3D Measurement Better startup / launch Ease of use / user experience enhancements

> Later half of 2017 Computer Generated Architecture enhancements for zoning New interactive analytic tools 360 Photos Publishing for 360 VR

> > Beyond

Named User Support Extended Platform Support Additional interactive analytic tools

3D Island @ Esri Showcase

Please take our Survey Your feedback allows us to help maintain high standards and to help presenters

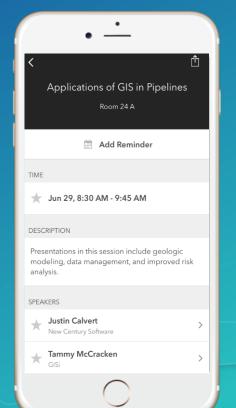
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| | Ballroom 20 A |
| | 7:00 AM - 8:00 AM Use Cases and Customer Experiences with |
| × | SAP EAM/Real Estate and ArcGIS |
| | Room 28 A |
| | 7:30 AM - 5:00 PM |
| × | Registration Exhibit Hall D |
| | |
| | 8:00 AM - 6:00 PM |
| × | Esri Map Gallery Sail Area |
| | 8:30 AM - 9:45 AM |
| 4 | 3D in ArcGIS Pro |
| ~ | Room 14 B |
| | 8:30 AM - 9:45 AM |
| 1 | 3D Visualization Supports Design, |
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Eric Wittner, <u>ewittner@esri.com</u>, @EricWittner

Questions?

