

Dynamo Feasibility

Surface Analysis Grids

Revit

Site and Massing Study

- 1: Site/Controls
- 2: Building Massing
- 3: Design Options
- 4: Scheduling Areas
- 5: Shadow Diagrams**



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Dynamo

Site Analysis

5: Shadow diagram setup

6: Surface Analysis Grids

7: View Analysis

8: Sun Hour Analysis

9: Analysis Refinement



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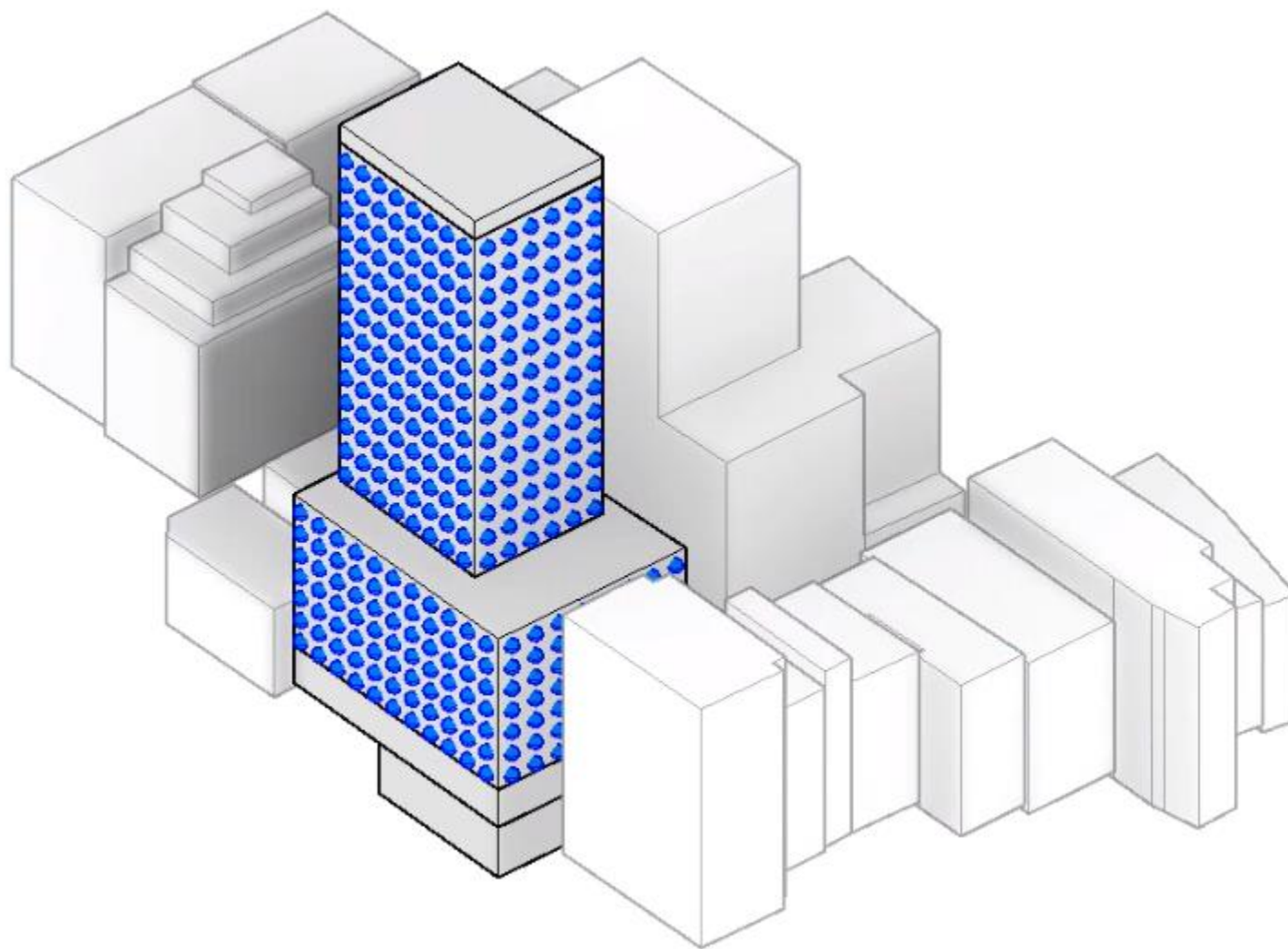
Power BI

Analysis and reporting

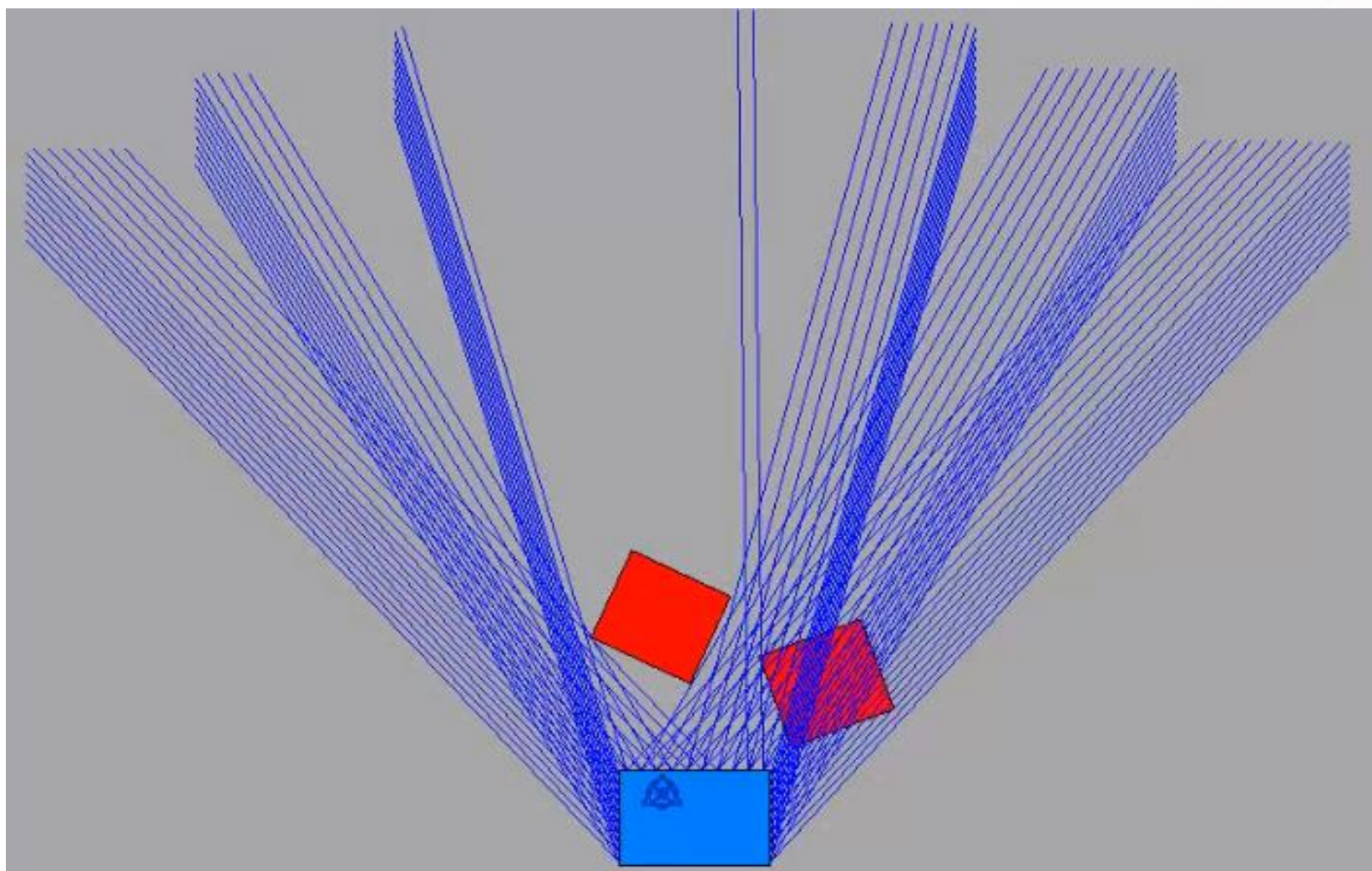
10: Power BI Report



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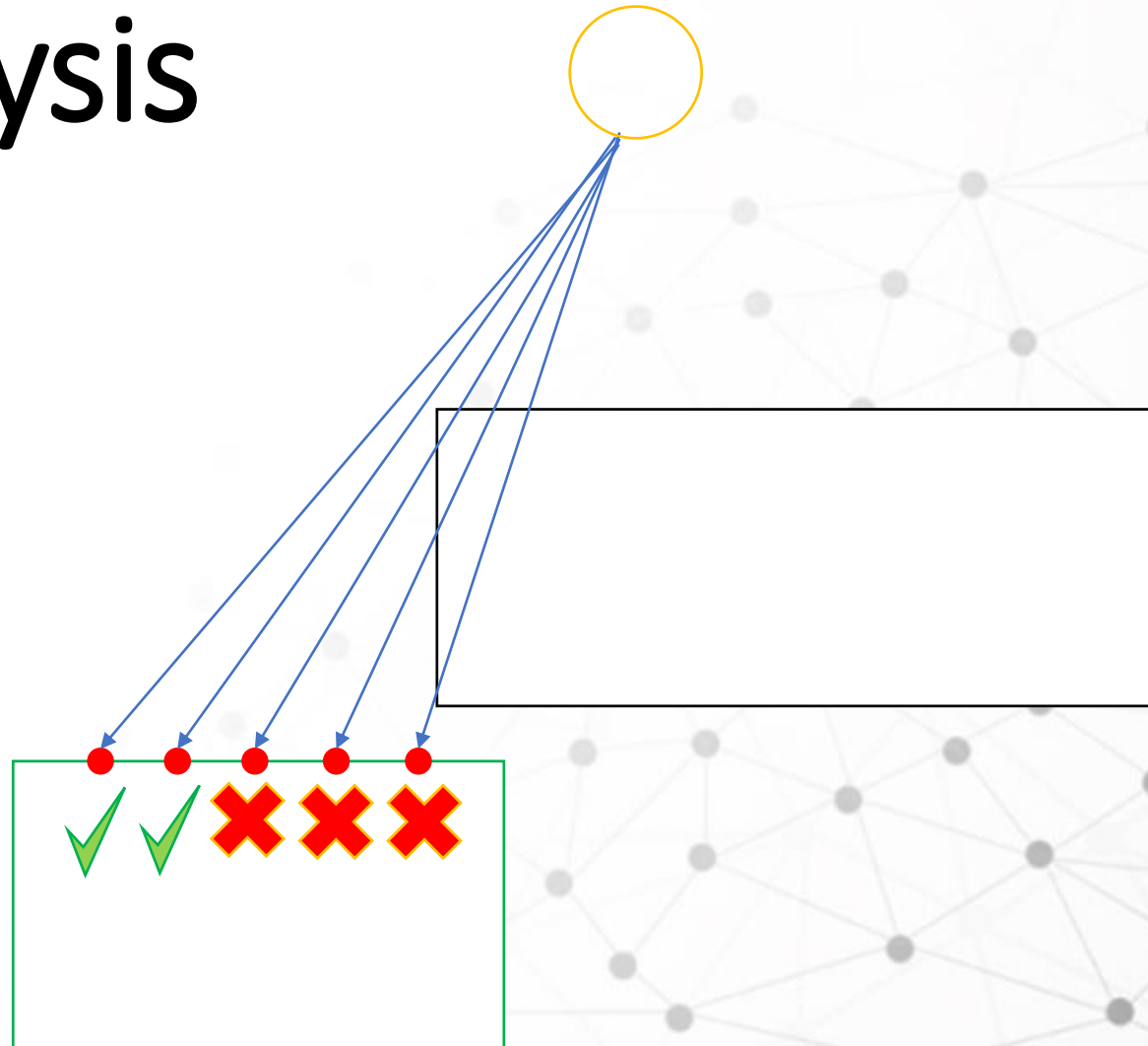


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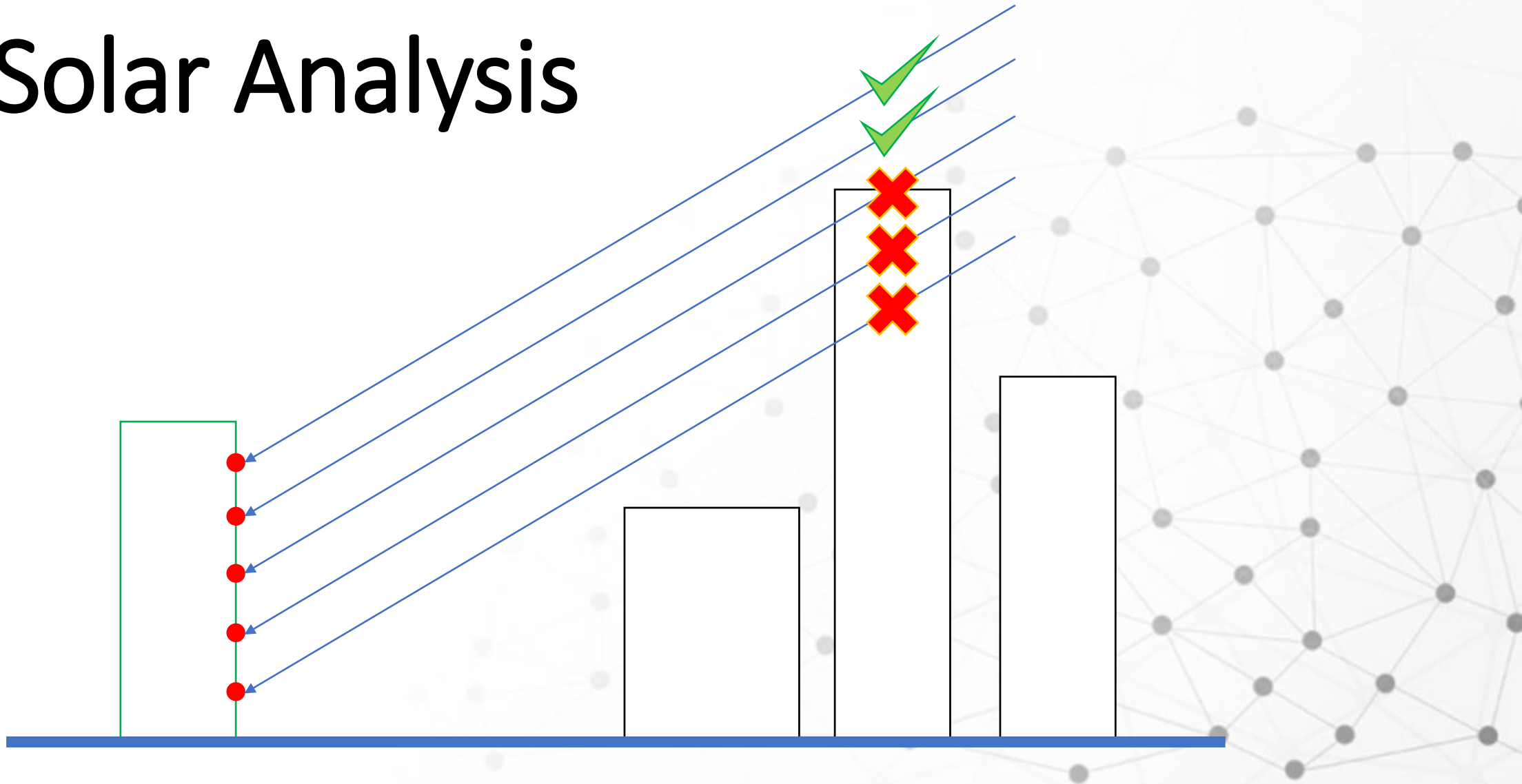
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View Analysis

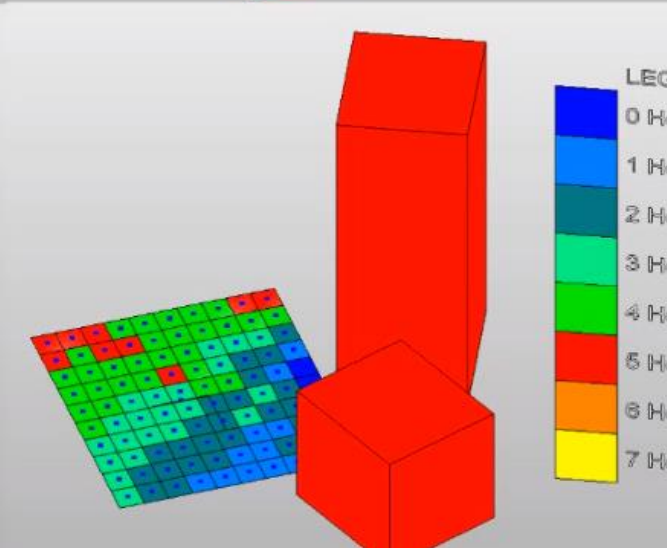
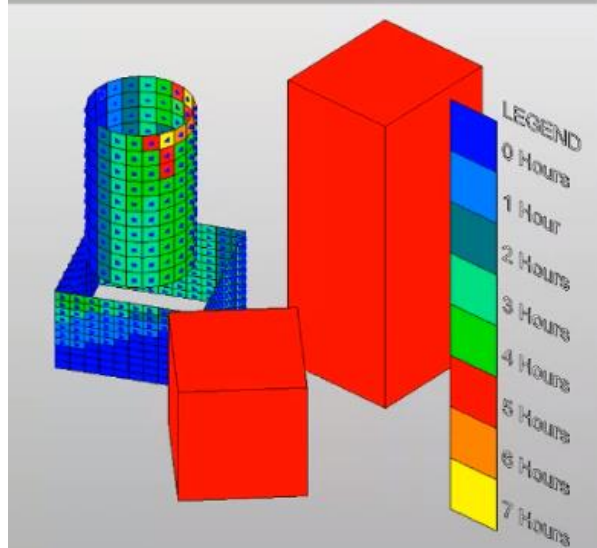
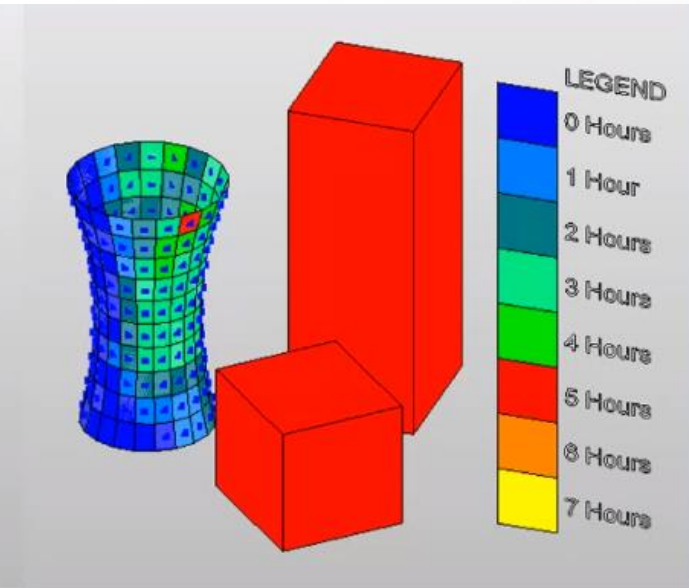
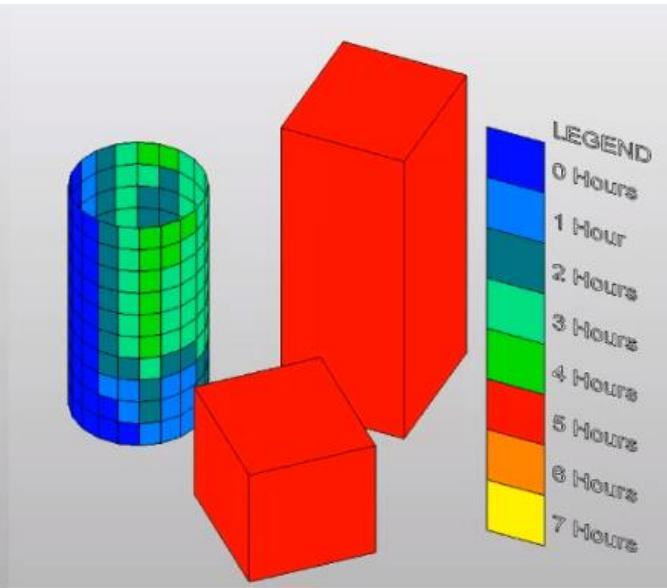
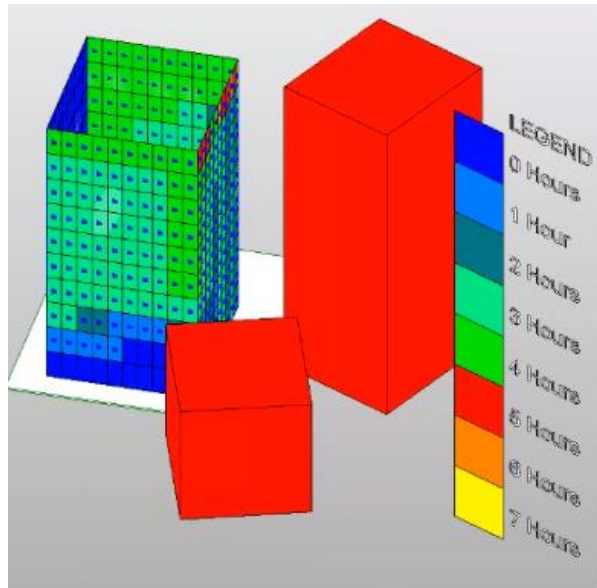


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Solar Analysis



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DAYLIGHT ANALYSIS (9am - 3pm, 22nd June)

Using Dynamo scripting

Output = curtain panels, each with respective hours of daylight, filtered graphically

Rectangular - 15 Seconds, 400 samples

Cylinder - 18 Seconds, 200 samples

Lofted form - 25 seconds, 200 samples

Hybrid form - 35 seconds, 600 samples

Plane - 12 seconds, 100 samples

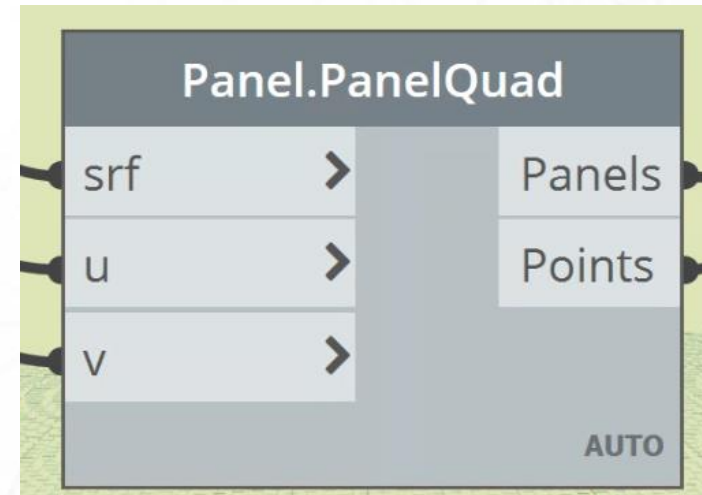
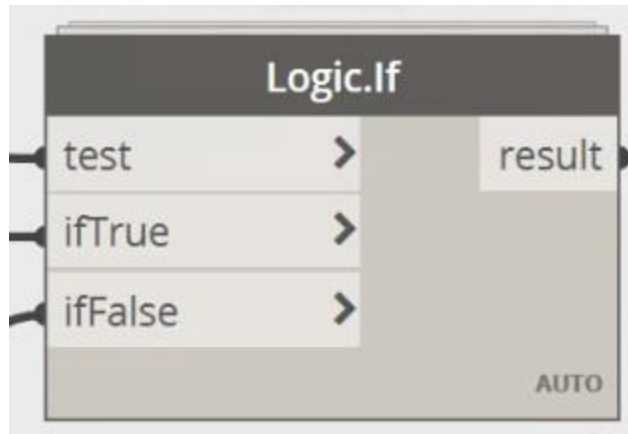


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Custom Nodes

Zebra (2016.7.2)

Lunchbox (2018.7.6)



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Versioning

Need Dynamo 2.X!



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A faint, light gray background graphic consisting of a network of interconnected dots and lines, resembling a molecular structure or a complex web, extending across the right side of the slide.

Without further ado...

Let's get started...



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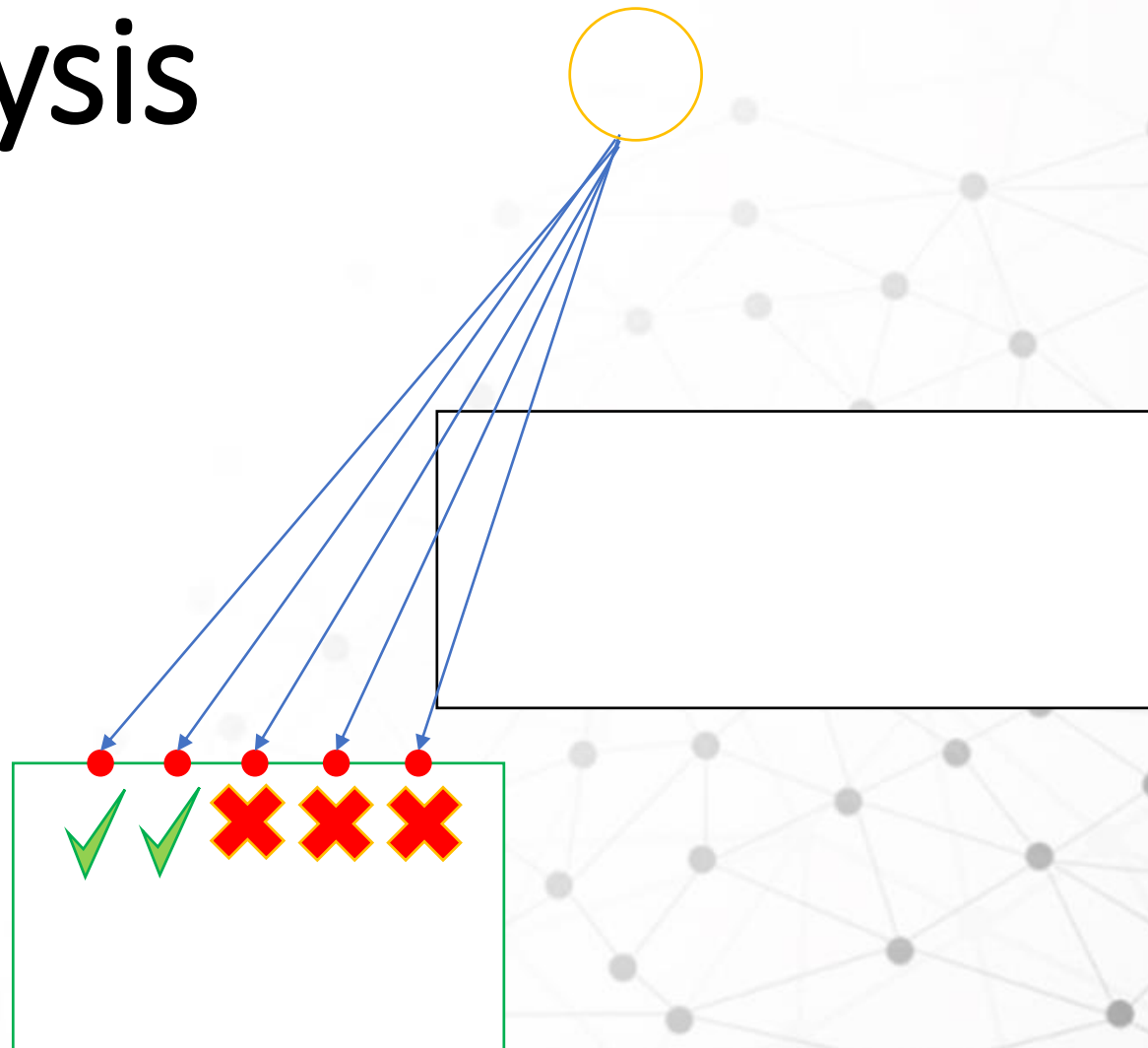
Next: Part 8

View Analysis (via Dynamo)



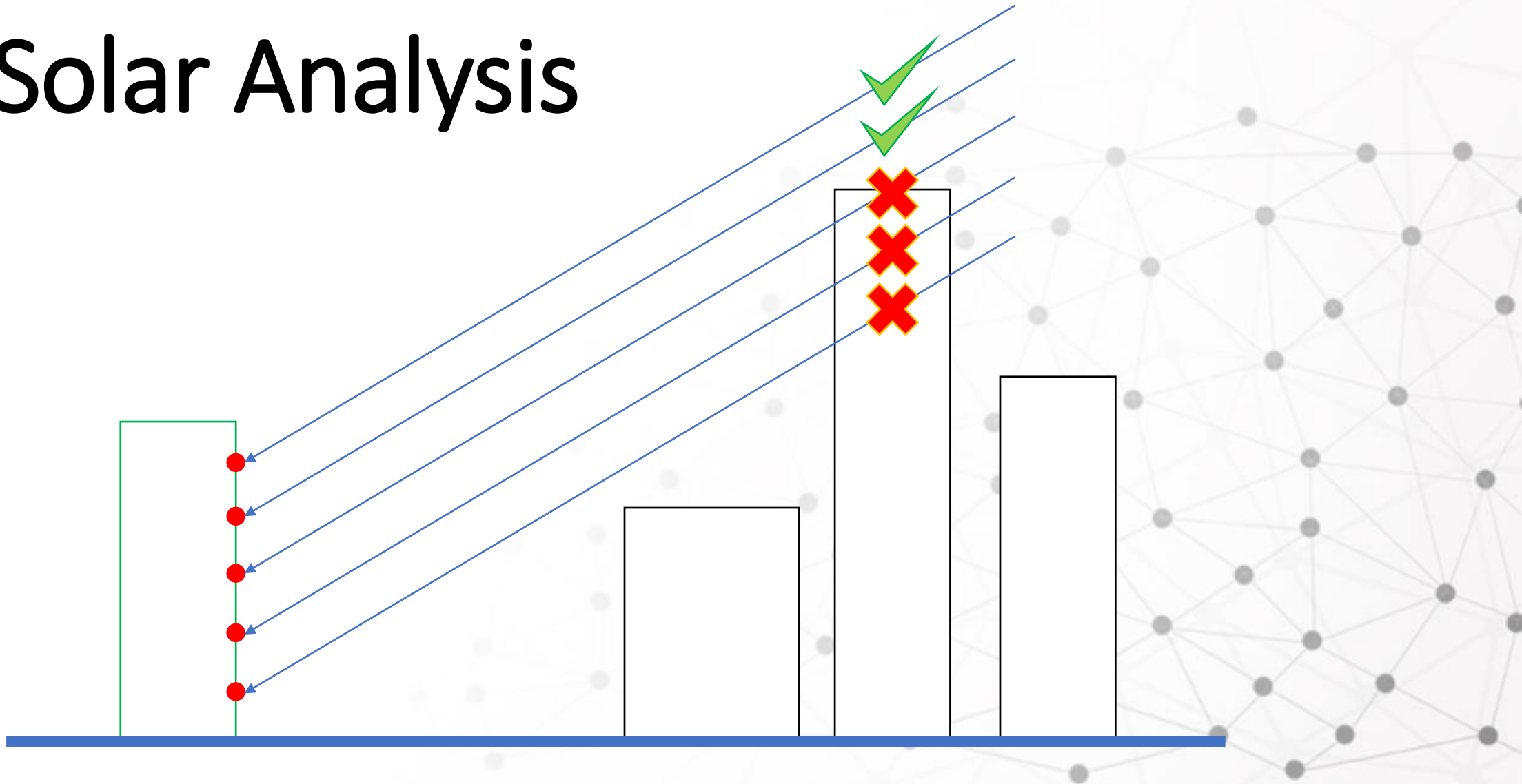
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View Analysis

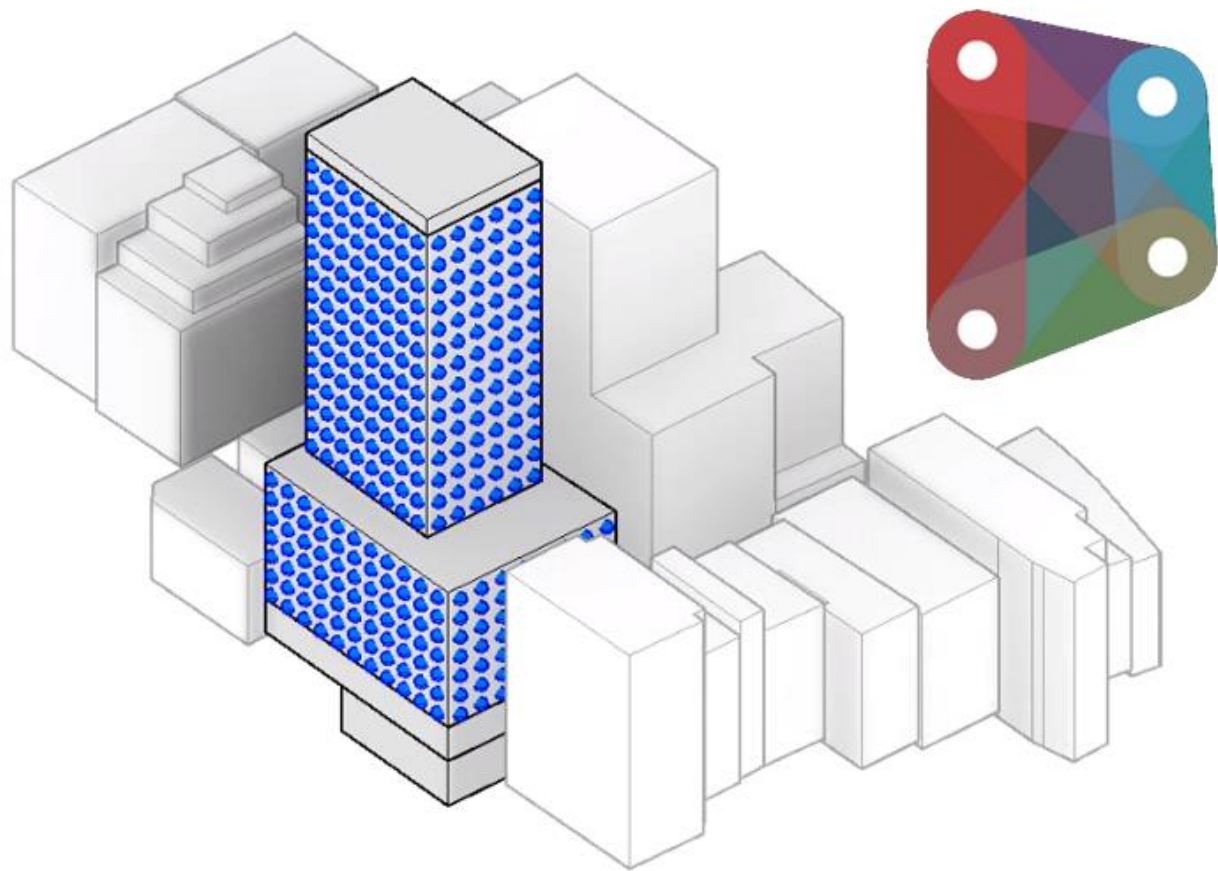


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Solar Analysis



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