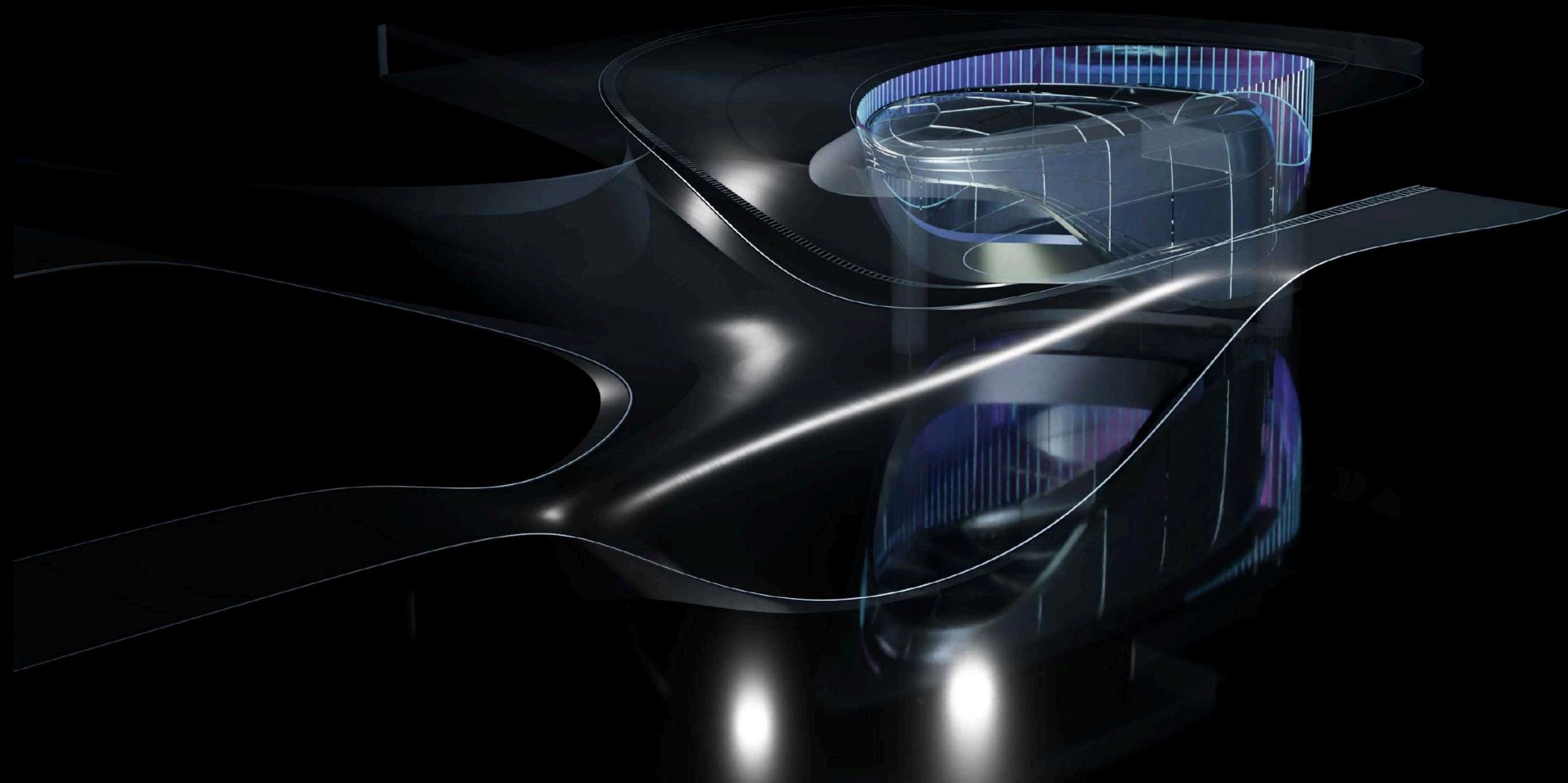


FUZES/ARCH

Construction-facing BIM geometry +
computational delivery.

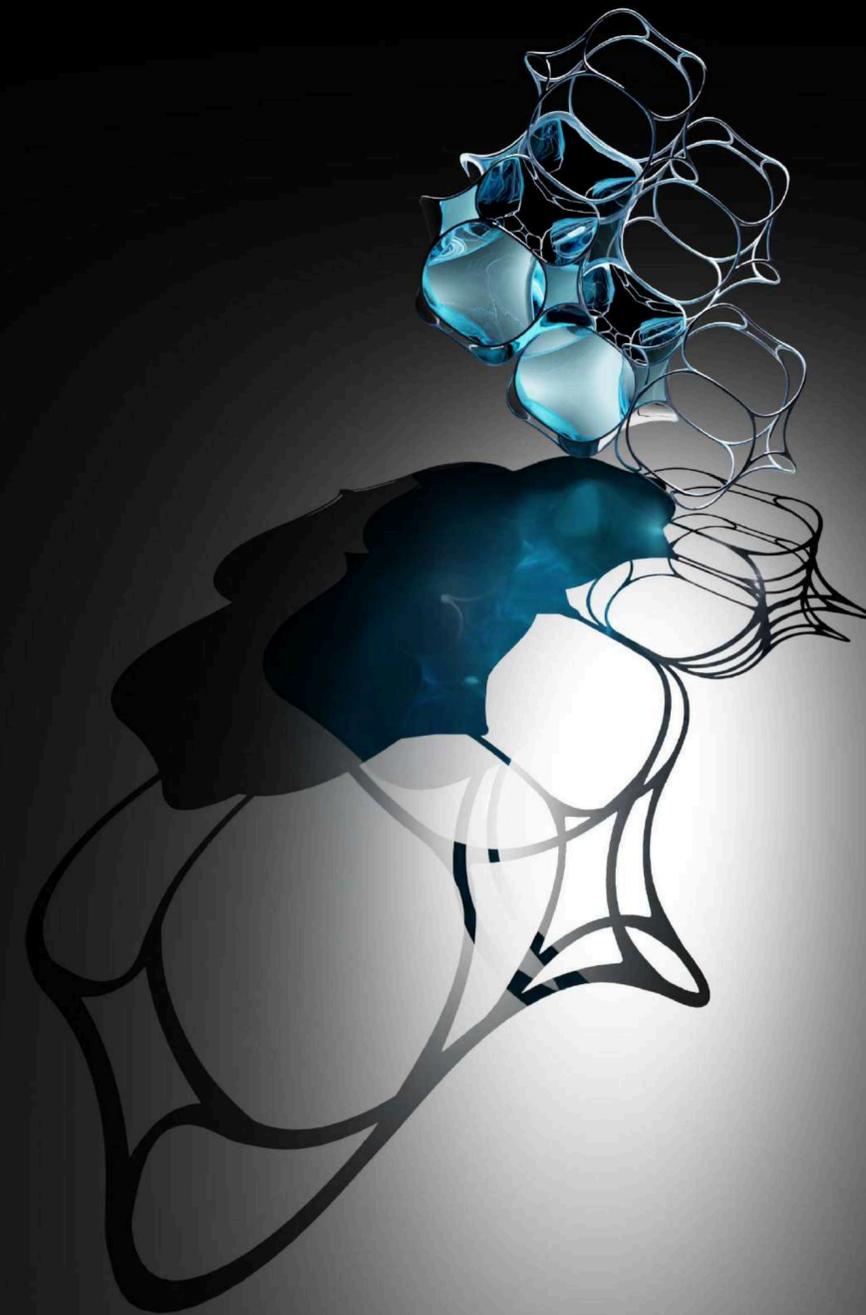


Modeling.

High-precision BIM 3D geometries from early massing to manufacturing-ready details and validated drawing output.

Algorithms.

Additional support with custom C# plugin development to accelerate delivery. Plug-and-play modules.



Targets.

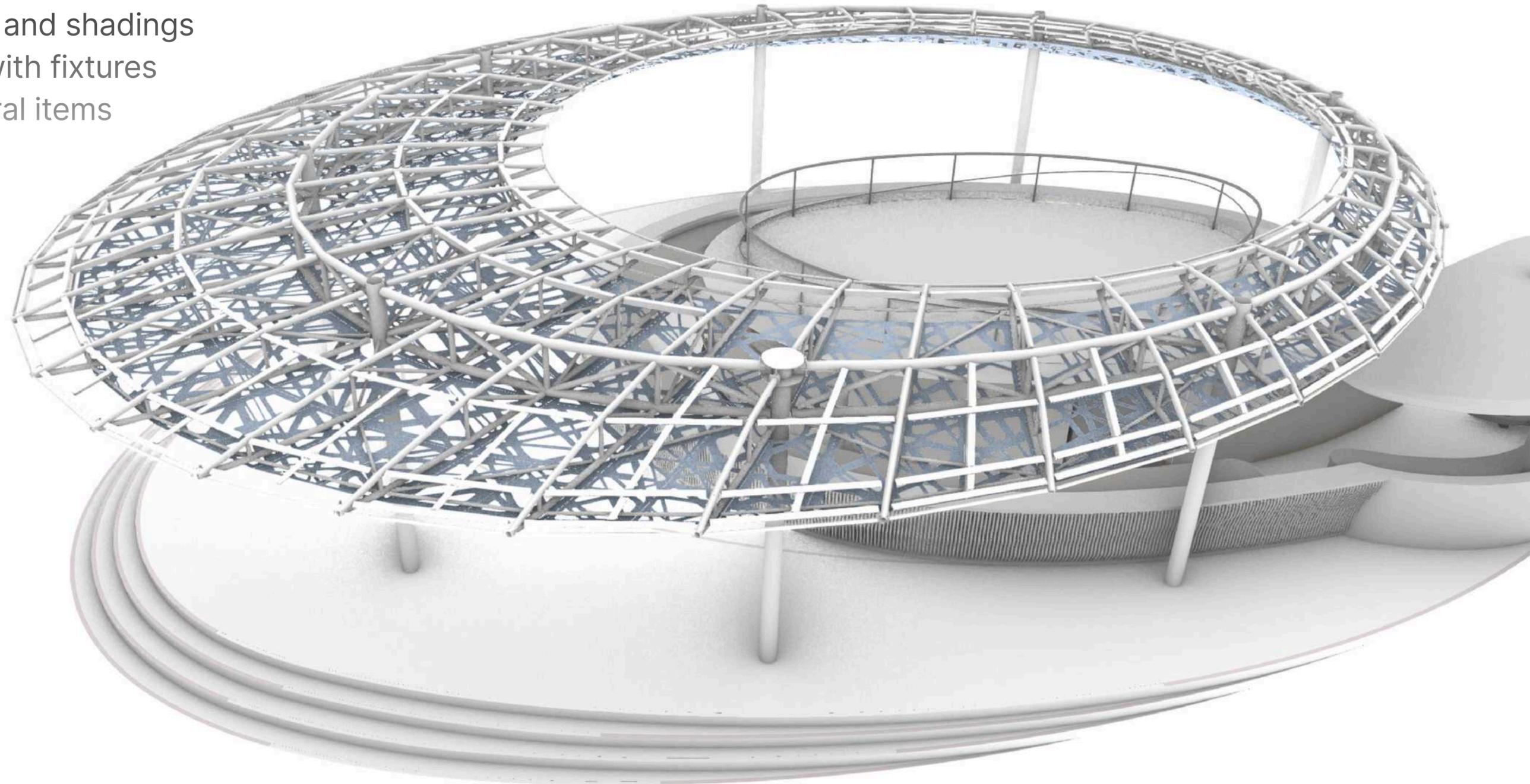
Volumetric building shapes

Facade systems and skins

External envelopes and shadings

Interior claddings with fixtures

Singular or sculptural items

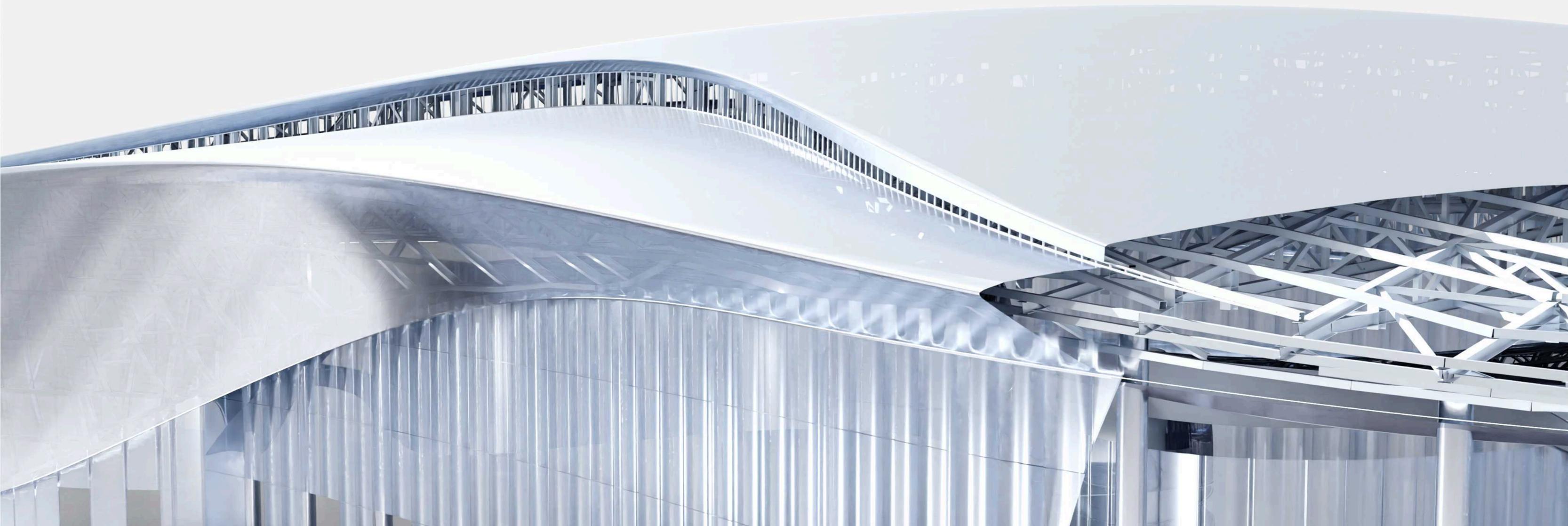


Platforms.

Rhino McNeel models on full programmatic control

Autodesk Revit Families up to LOD 400

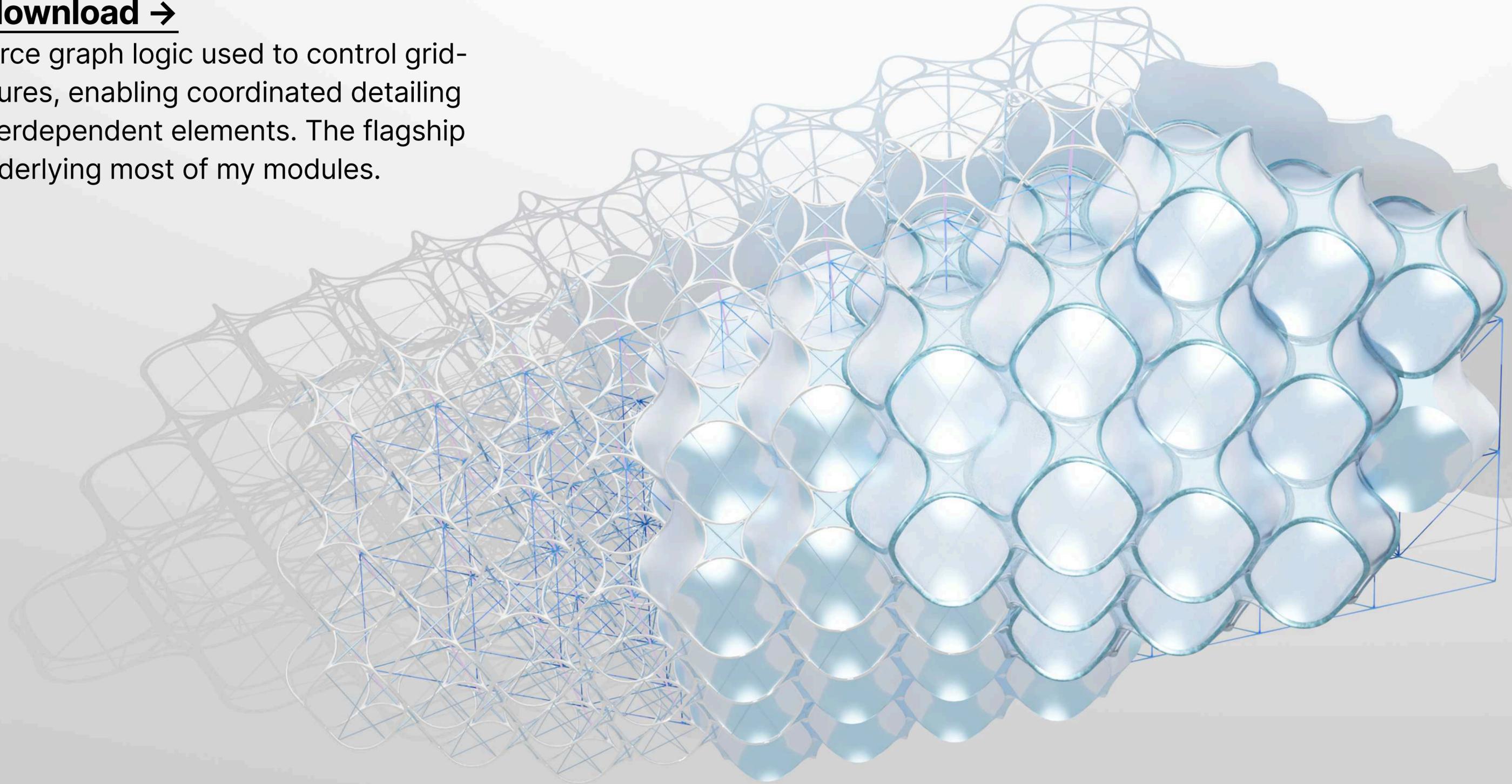
Graphisoft ArchiCAD data transfer via *tAPIr*



PORTIA / Graph

[Link to download →](#)

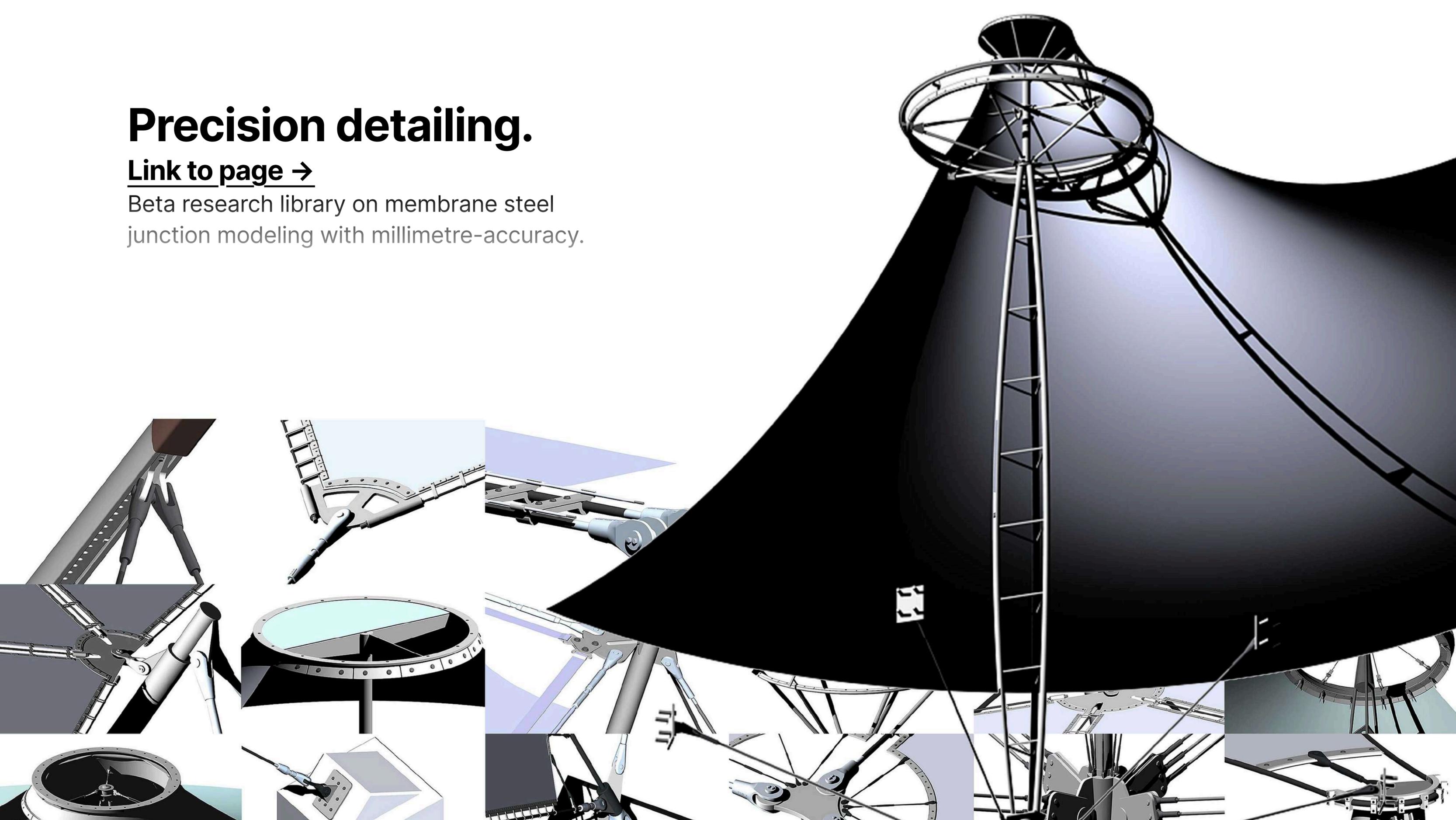
Open-source graph logic used to control grid-like structures, enabling coordinated detailing across interdependent elements. The flagship engine underlying most of my modules.



Precision detailing.

[Link to page →](#)

Beta research library on membrane steel junction modeling with millimetre-accuracy.

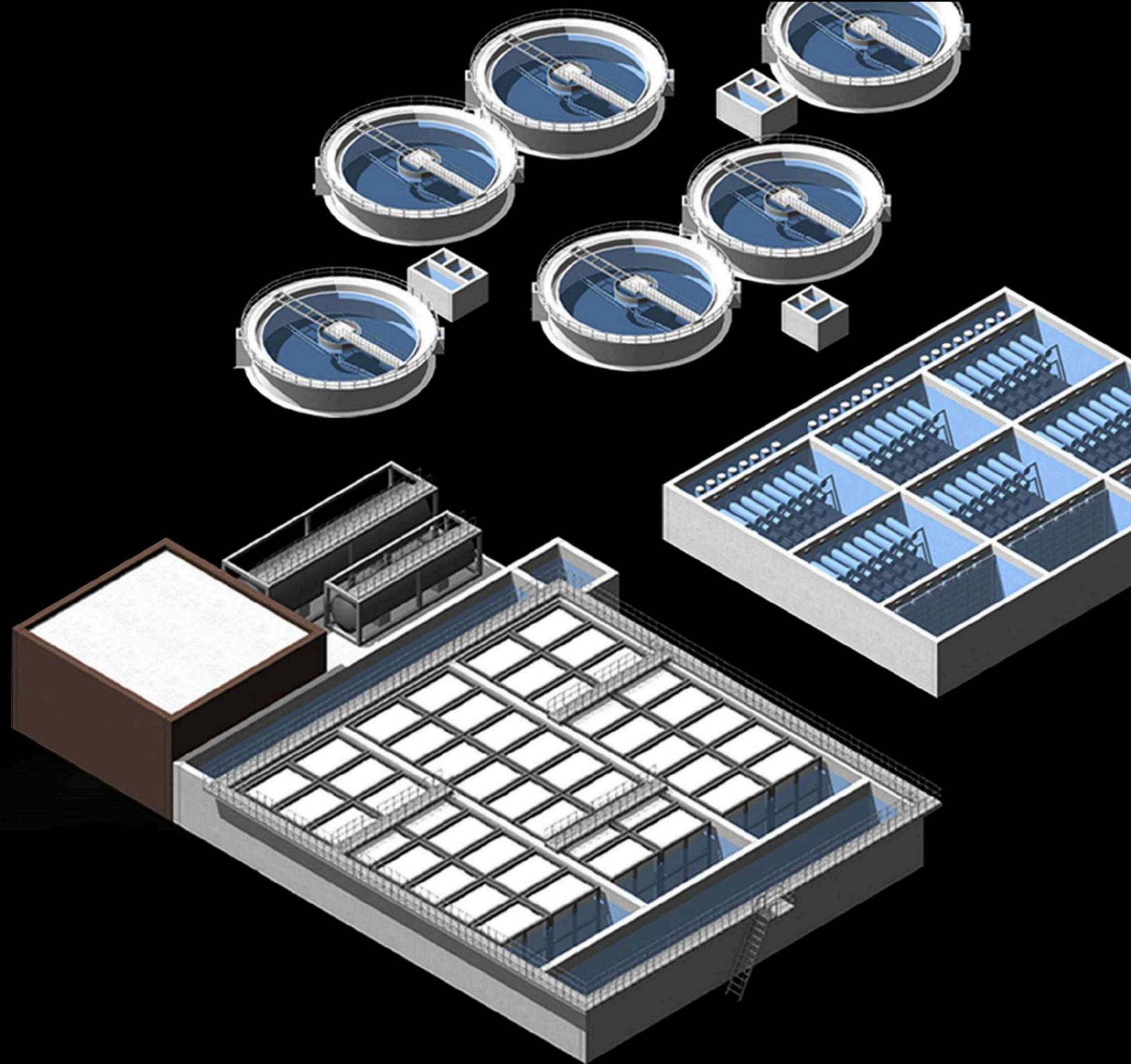
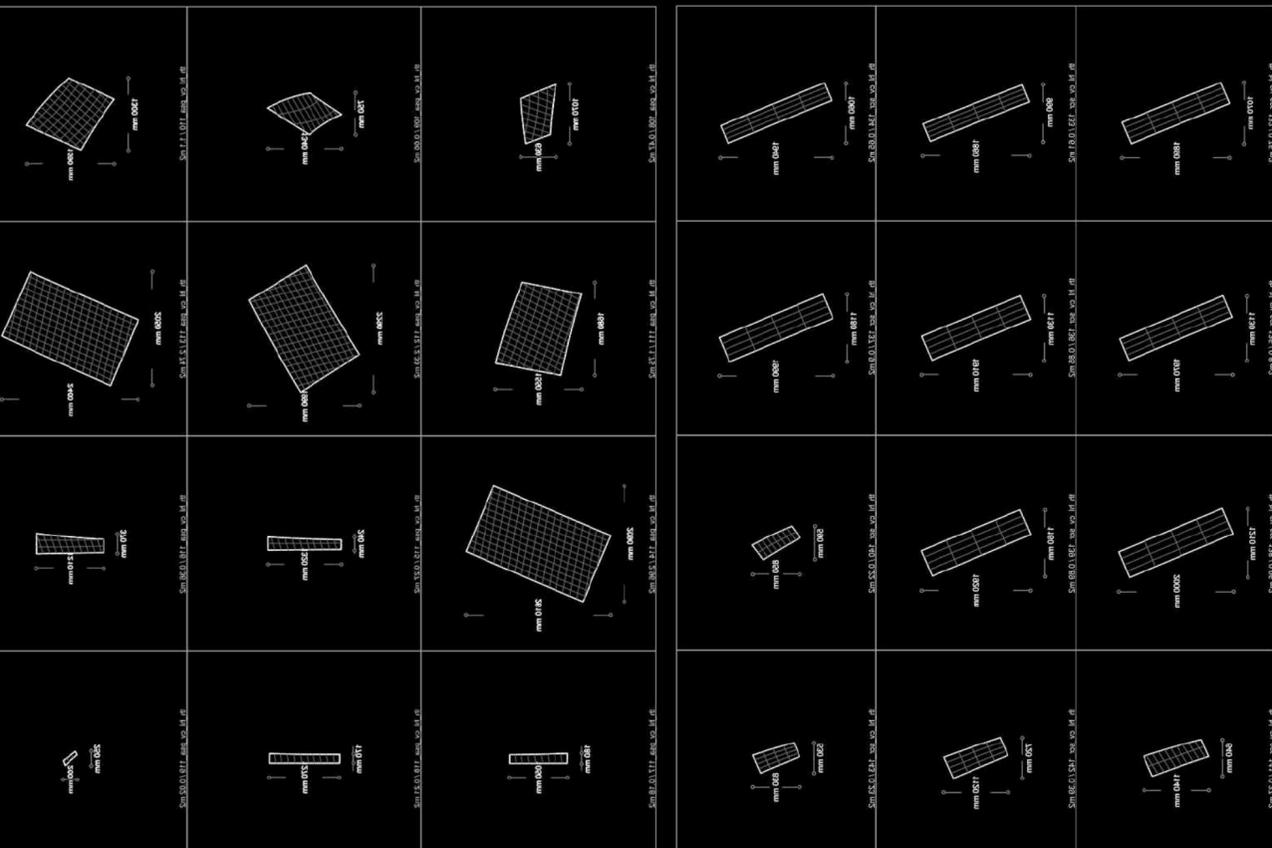


Documentation.

Automatic sheet organization

Real-time viewport PDF exports

Item tagging and grouping by code

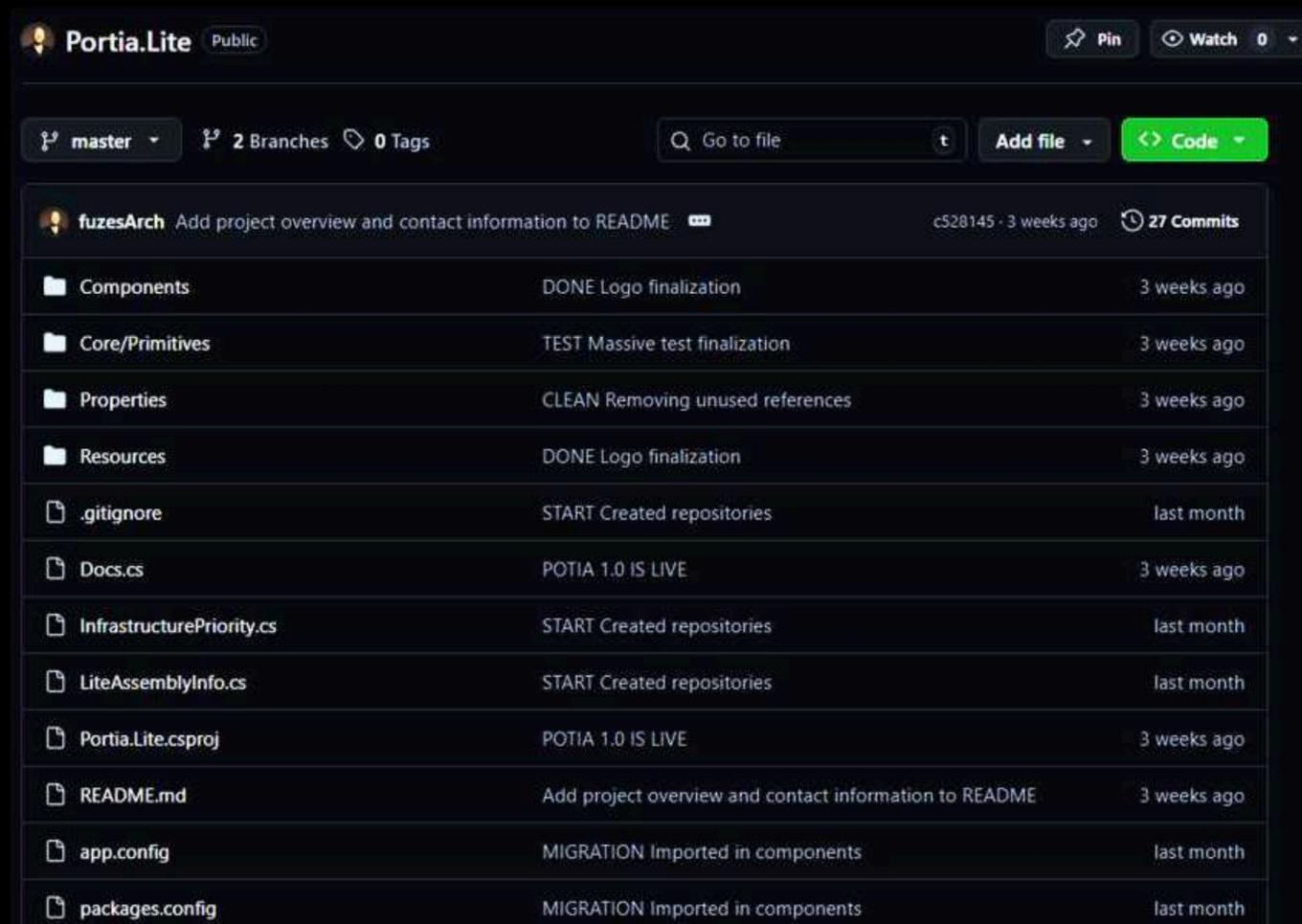


.NET C# development Rhino plugins.

Easily activated Grasshopper components designed for absolute clarity and repeatable use. Zero coding knowledge required upon project integration.

Revit commands.

Custom BIM logic for reliable model operations, validation, and controlled data handling. Family-based transactions, automated schedule setup, error messaging and queries - based on the Revit API.



The screenshot shows the GitHub repository for 'Portia.Lite'. The repository is public and has 27 commits. The main branch is 'master'. The repository contains several folders and files, including 'Components', 'Core/Primitives', 'Properties', 'Resources', '.gitignore', 'Docs.cs', 'InfrastructurePriority.cs', 'LiteAssemblyInfo.cs', 'Portia.Lite.csproj', 'README.md', 'app.config', and 'packages.config'. The repository was created by 'fuzesArch' and is currently in a state of 'DONE Logo finalization'.

File/Folder	Description	Last Commit
Components	DONE Logo finalization	3 weeks ago
Core/Primitives	TEST Massive test finalization	3 weeks ago
Properties	CLEAN Removing unused references	3 weeks ago
Resources	DONE Logo finalization	3 weeks ago
.gitignore	START Created repositories	last month
Docs.cs	POTIA 1.0 IS LIVE	3 weeks ago
InfrastructurePriority.cs	START Created repositories	last month
LiteAssemblyInfo.cs	START Created repositories	last month
Portia.Lite.csproj	POTIA 1.0 IS LIVE	3 weeks ago
README.md	Add project overview and contact information to README	3 weeks ago
app.config	MIGRATION Imported in components	last month
packages.config	MIGRATION Imported in components	last month

```
2 references
public class FitnessSettingsValidator : FlatMixCoreBaseValidator<FitnessSettings>

private static readonly FitnessSettingsValidator instance =
    new FitnessSettingsValidator();
1 reference
public static FitnessSettingsValidator Instance { get; } = instance;

1 reference
private FitnessSettingsValidator()
{
    RuleFor(x => x.BestPopulationCount)
        .Must(value => 0 <= value)
        .WithMessage(nameof(FitnessSettings.BestPopulationCount) +
            " must have a non-negative value.");

    RuleFor(x => new List<double>() {
        x.AreaWeight,
        x.OrderWeight,
        x.CountWeight,
    })
        .Must(value => value.All(x => 0 <= x && x <= 10))
        .WithMessage(
            nameof(FitnessSettings.AreaWeight) + ", " +
            nameof(FitnessSettings.OrderWeight) +
            nameof(FitnessSettings.CountWeight) +
            $" must all be between 0 and 10.");
}
```



Partners.

Group Dyer

Banati + Hartvig Studio

Paulinyi & Partners Ltd.

TranscendWater

Equinox International Ltd.

...

Bálint Füzes.

MSc Architect and certified software developer.

multi-year partnership on full-scope planning
co-competition and ongoing in-house development
multi-year plugin development collaboration
software team member
competition collaboration

Awards.

Special prize 2017 National Scientific Conference of Student Research

1st prize 2014 Genoa ACCROSS International Idea Competition

10th prize 2008 German language National Scientific Competition of Students

Collaboration.

<https://www.fuzesarch.com>

balint@fuzesarch.com

[linkedin](#)

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Budapest Hungary

1093 Lónyay str 42

Driven by a deep passion for geometry, I welcome any project scale and type — from standard residential to complex industrial buildings.

Let's connect if our capabilities align; I offer entirely flexible setups, including support for capacity surges, direct module deployments, project collaborations, or even complete team embedding.

