

Mathieu VENOT

[Naval] | | {Computation} | | Architecture



Mathieu VENOT

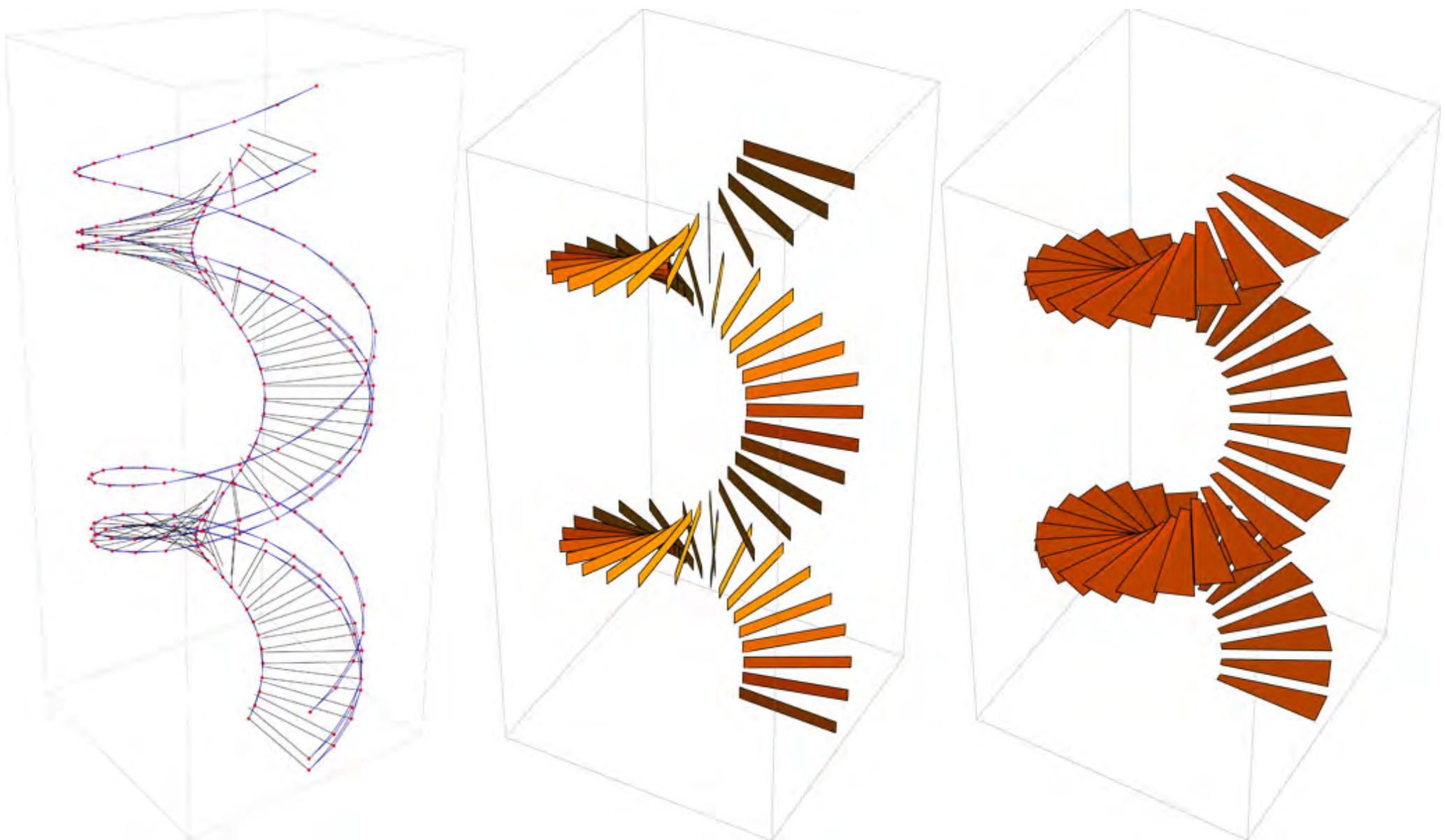
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44300 Nantes FRANCE

+336 79 33 64 10
contact@mathieuenot.com

*Naval Architect Engineer, MSc
Born September 30, 1990*

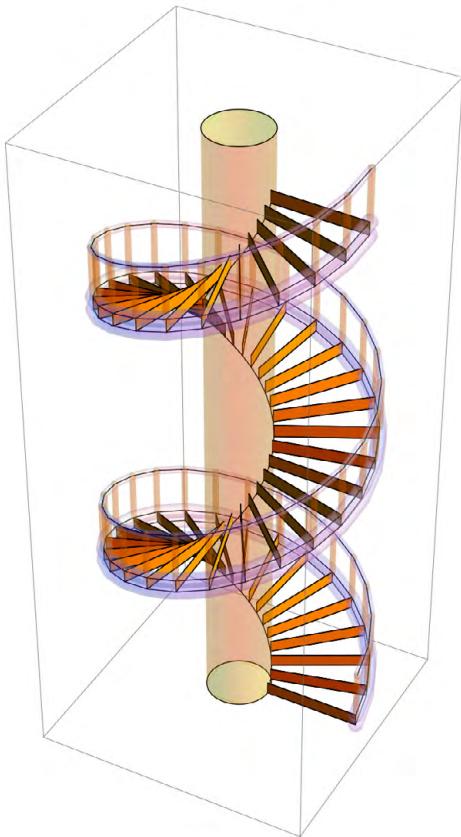
Experience
Education

-
- 05/2013 - Now Mathieu Venot : Naval Architect Engineer
- 12/2018 - Now L2O Naval : Naval Engineer
- 10/2015 - 03/2019 Dixie Lab : Co-founder
- 09/2018 ENSTA Bretagne : Naval Architect Engineer, MSc
- 04/2018 - 08/2018 ENSTA Bretagne : Intern
- 09/2017 DMS2017 : Workshop leader
- 03/2017 ESBAM : Workshop leader
- 09/2015 - 02/2017 ENSAPM : Workshop leader
- 10/2016 - 01/2017 ENSAM - ENSCI Les Ateliers : Studio tutor
- 11/2016 Dixie Lab : DixieVR publication
- 09/2016 AAG2016 : Workshop leader
- 09/2016 ENSAPM : Master thesis publication
- 09/2013 - 09/2016 ENSAPM : Studio & Workshop tutor
- 06/2016 ENSAPM : Architect, MArch
- 07/2013 EZCT : Intern
- 07/2011 Port Napoleon : Intern

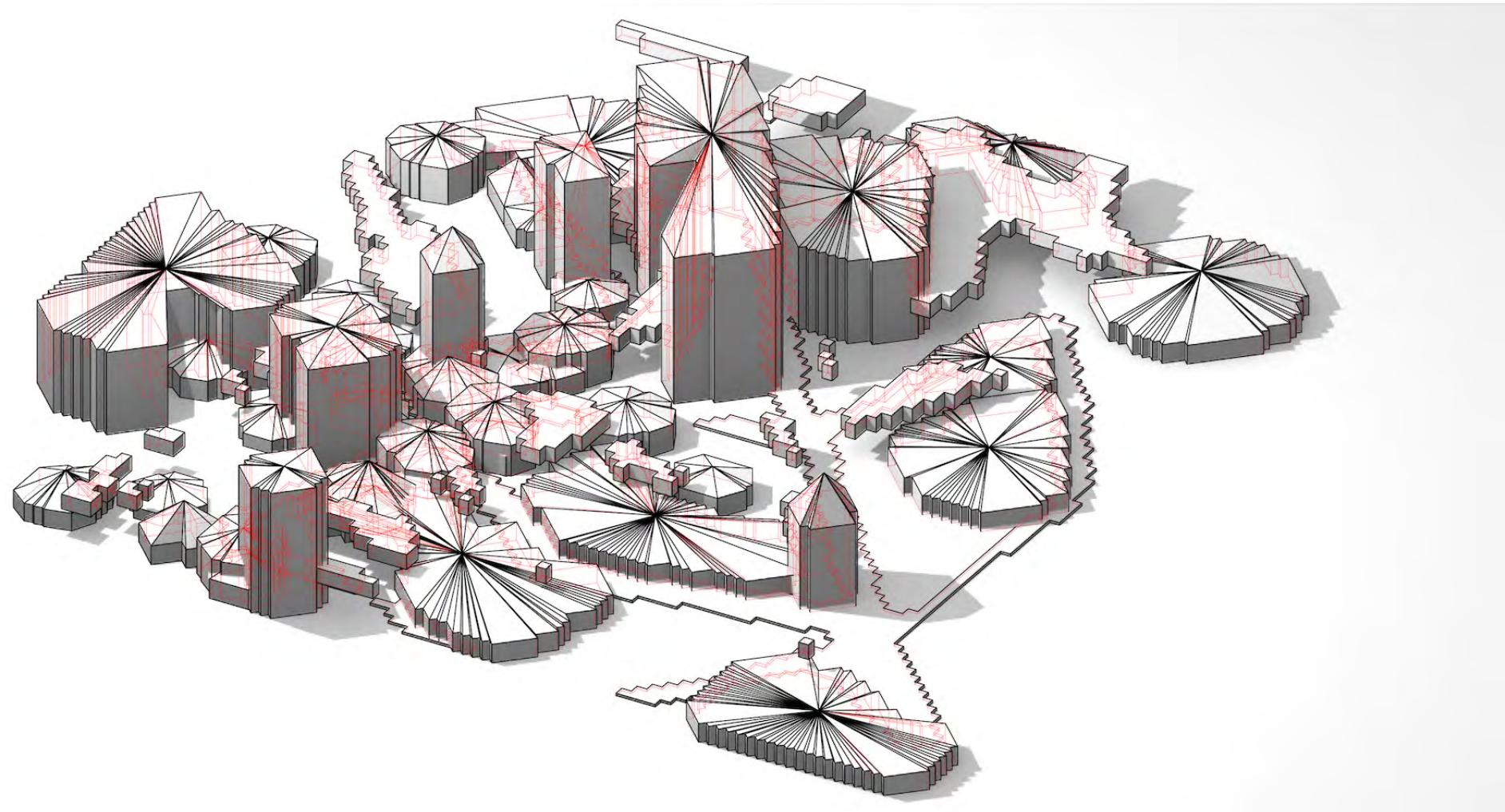


Mathematical programming
Helicoidal stair construction by mathematical operations
[Academic]

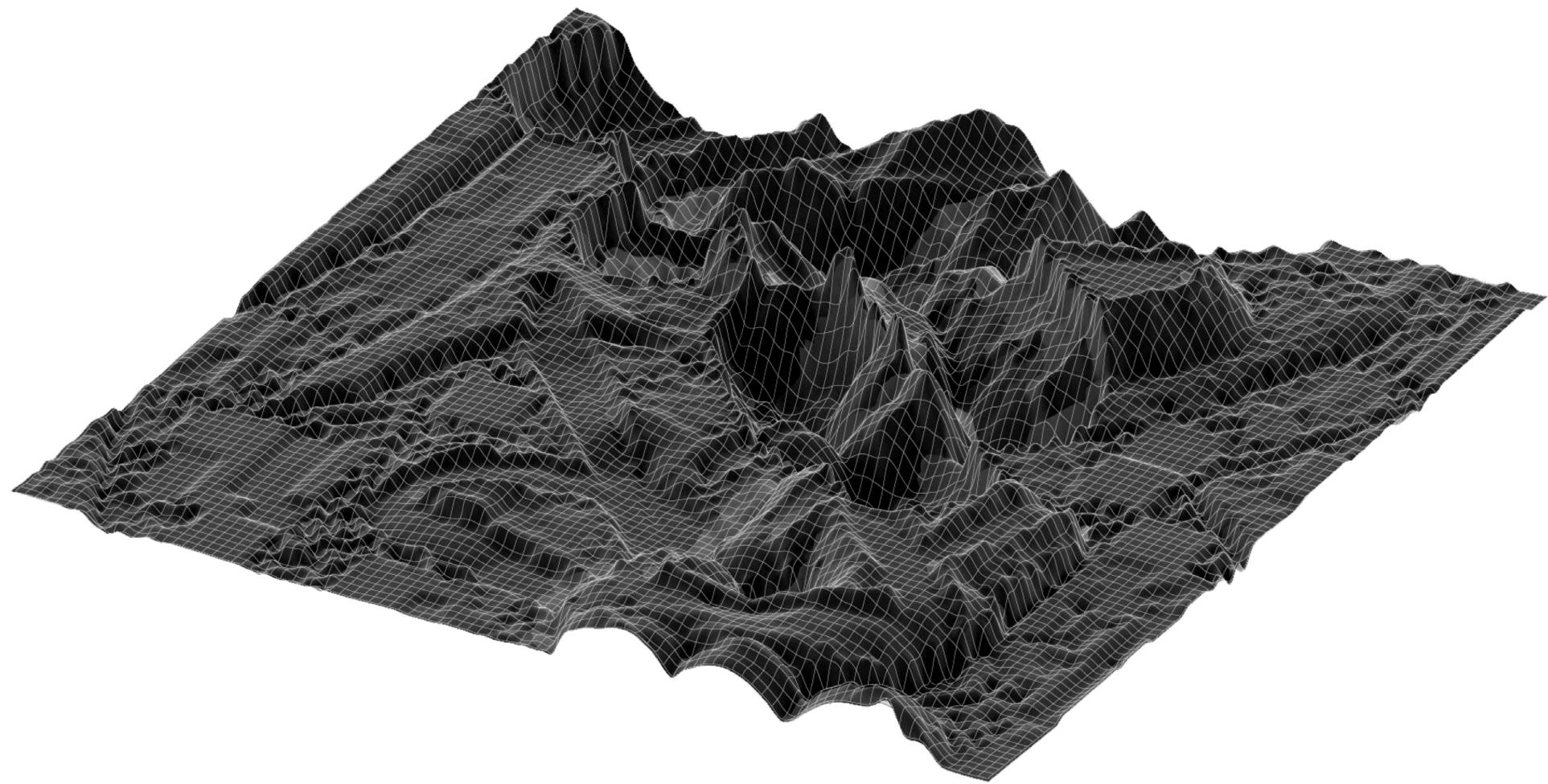
```
Show[{nonbezier1, nonbezier2, ligneh, lignehnez, tube, lignegarde,  
lignemarche, tubegarde, surfcm, tubemarche, tubeext, barriere}]
```

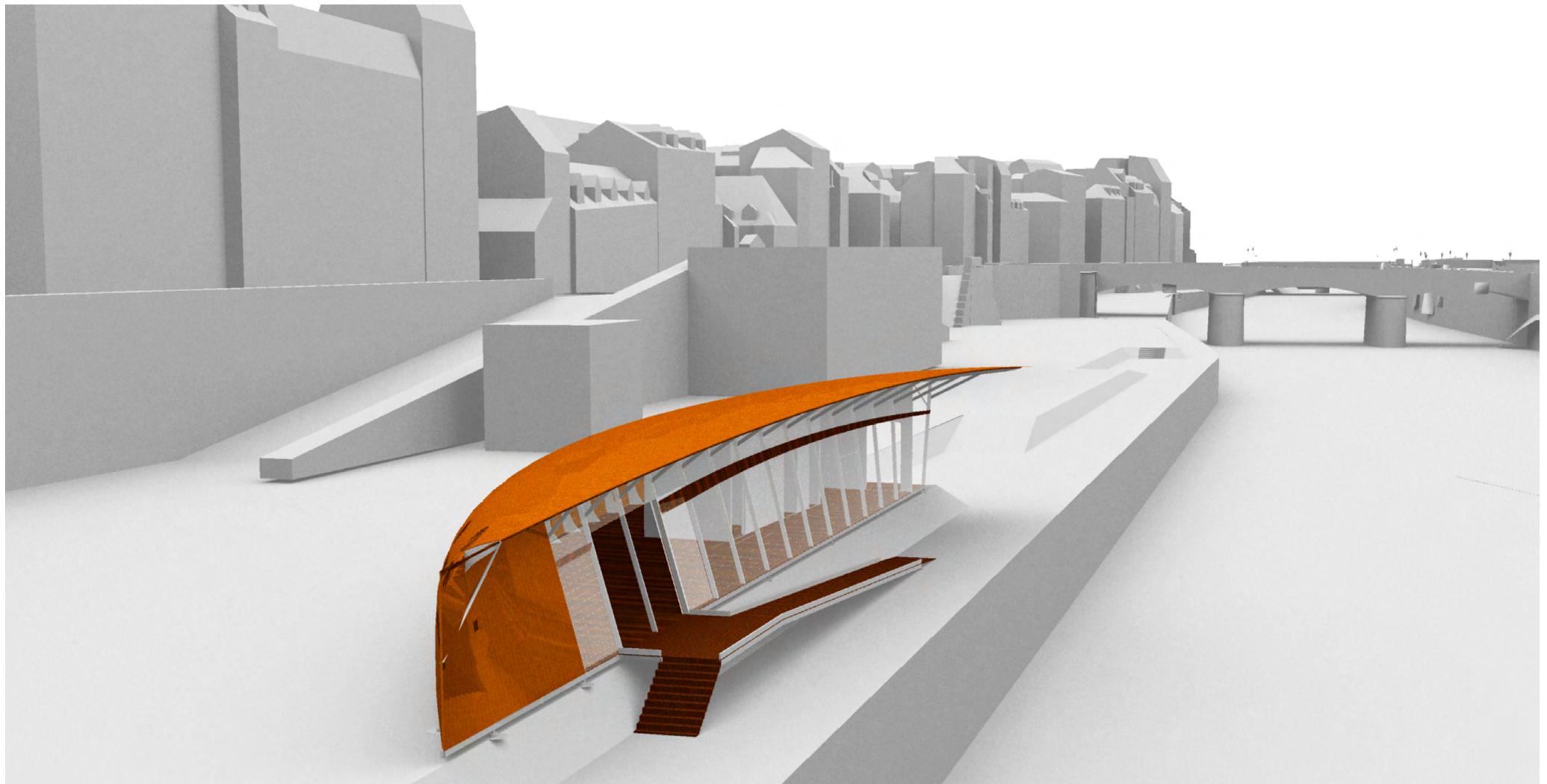


```
pointsSurfMarchel =  
Table[{ptsMarchesIntOK1[[i, j]], ptsMarchesExtOK1[[i, j]], ptsMarchesExtOK1[[  
i, j + 1]], ptsMarchesIntOK1[[i, j + 1]], ptsMarchesIntOK1[[i, j]]},  
{i, 1, Length[ptsMarchesIntOK1]}, {j, 1, Length[ptsMarchesExtOK1[1]]}];  
  
surfmarcheOk1 = Delete[Map[Polygon, pointsSurfMarchel, {2}], -1];
```

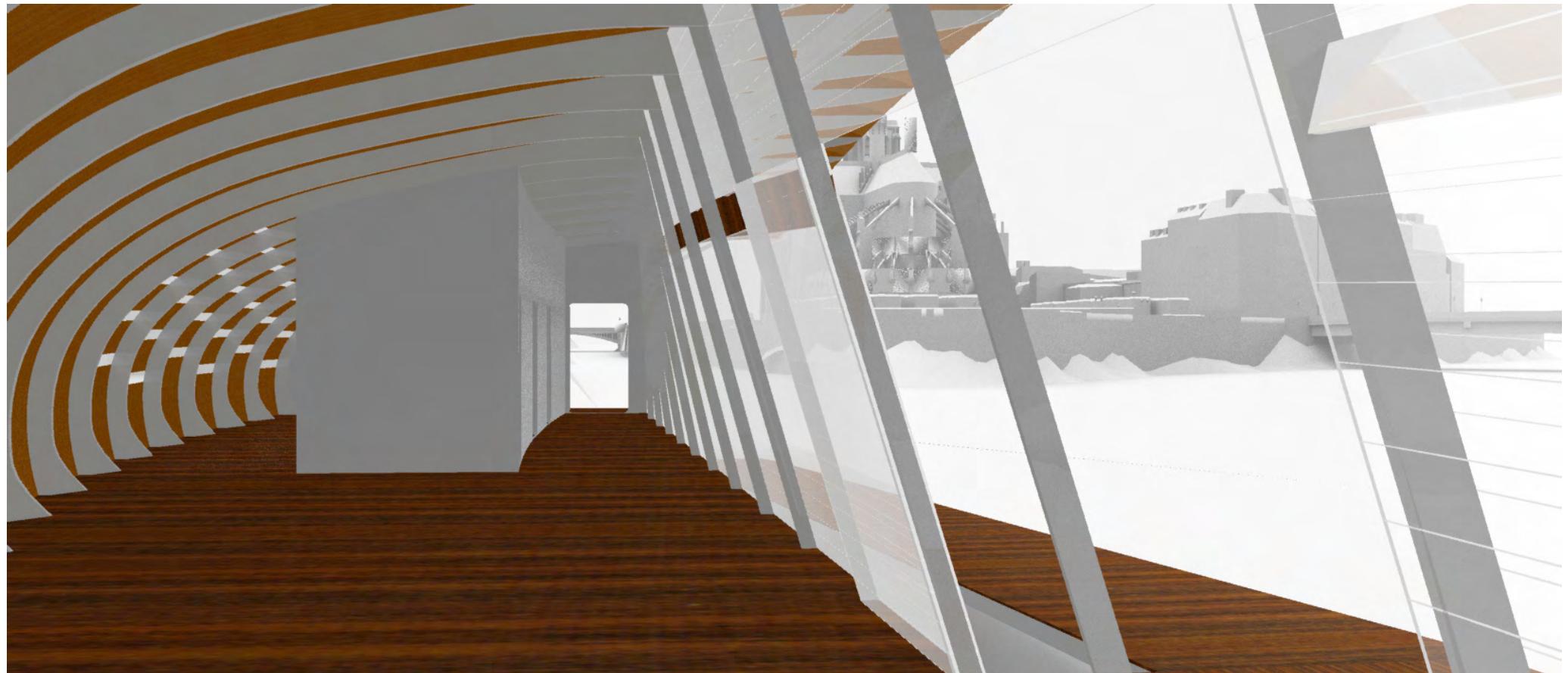


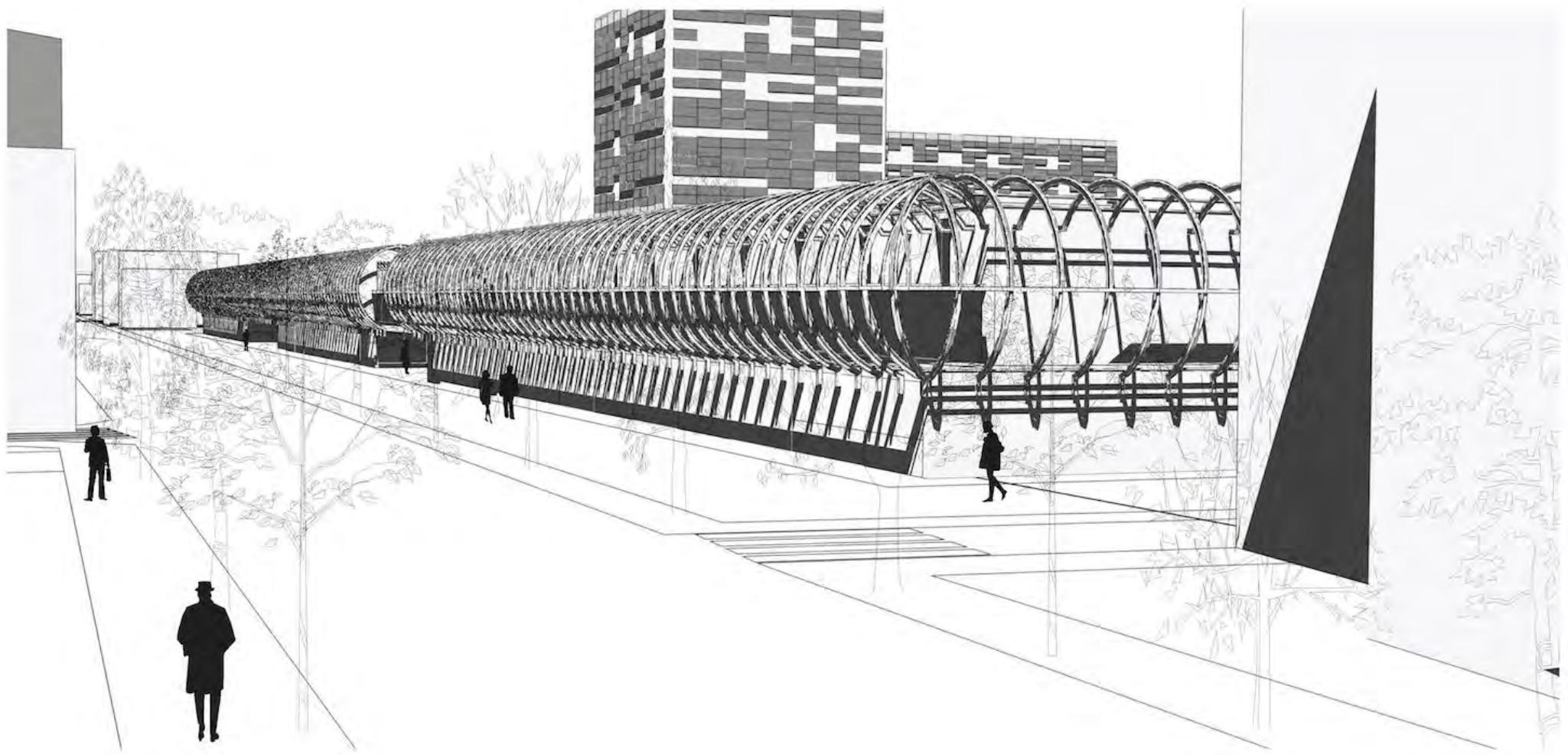
Generative Landscapes
Shape and color detection for procedural generation
[Academic]





Structural Station Cover
Boat station parametric design
[Academic]

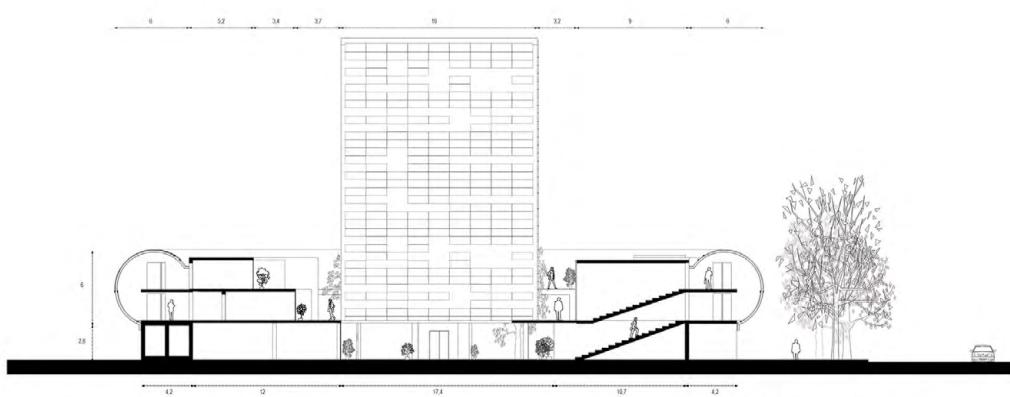
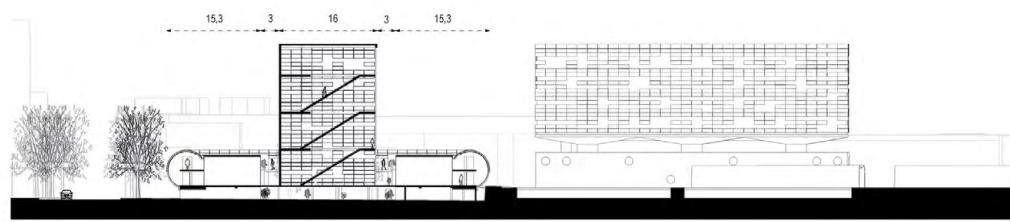
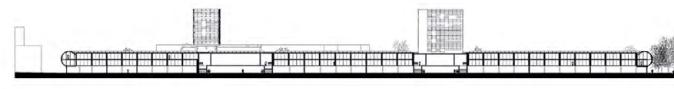
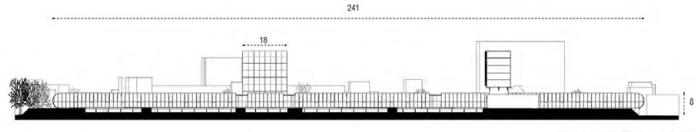


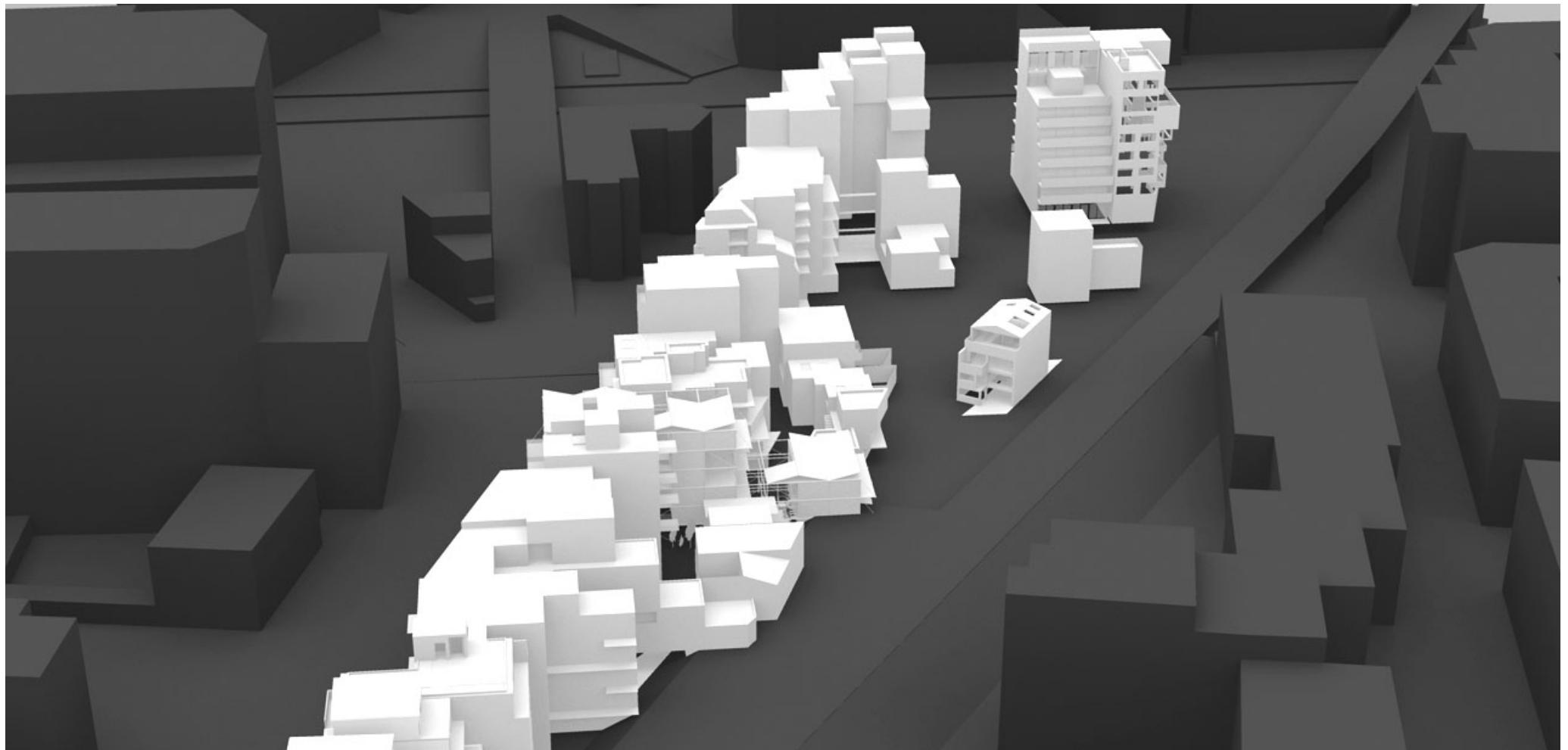


Factory Rehab
*Rehabilitation of the Ivry's water treatment factory into students complex and housing
[Academic]*

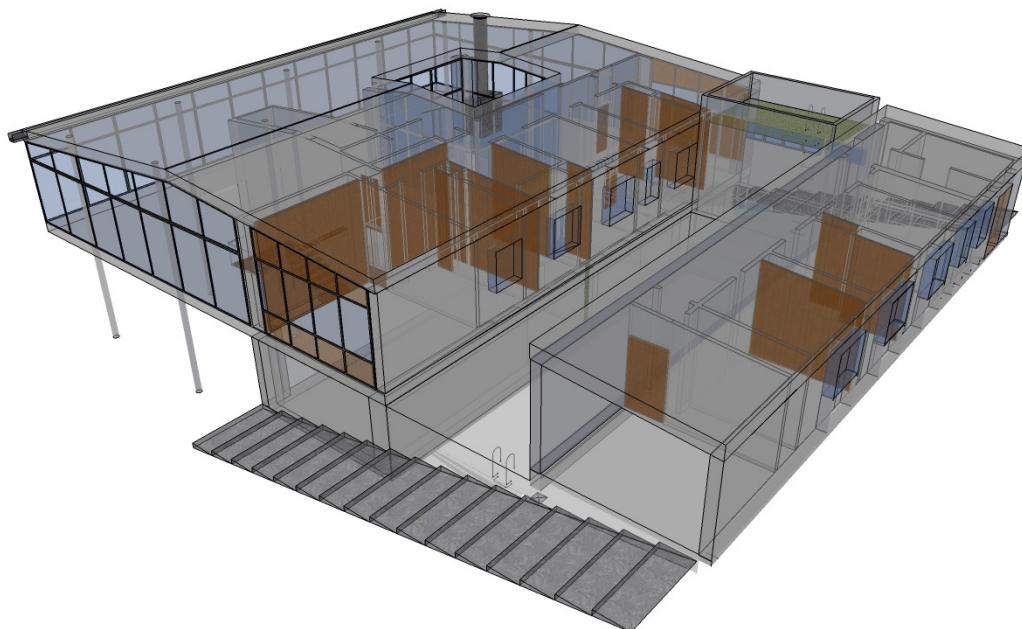
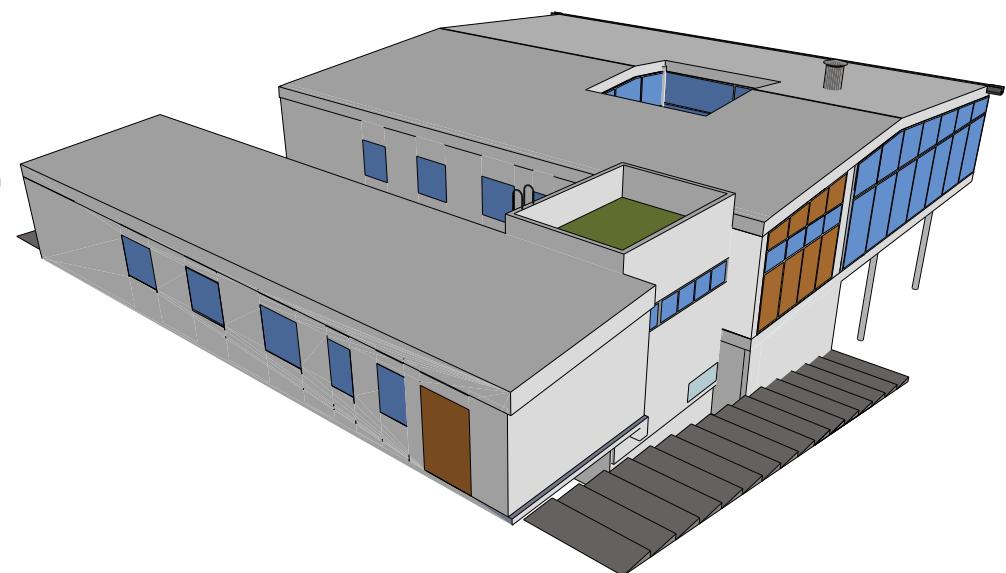
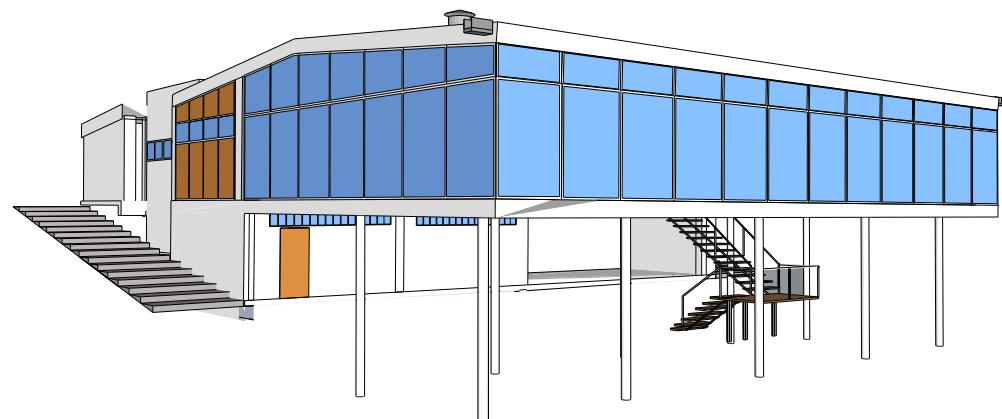


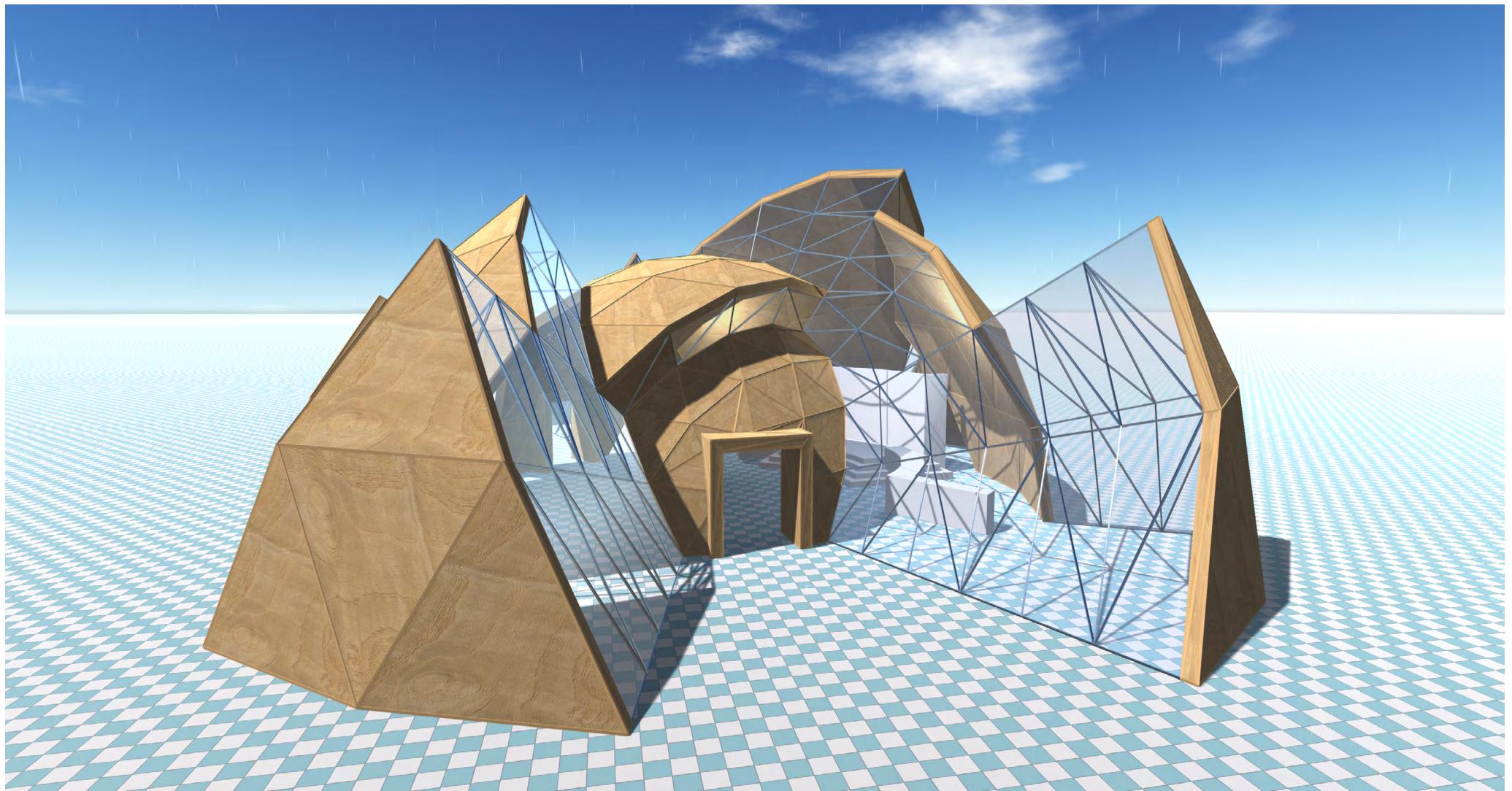
SIX TYPOLOGIES DIFFERENTES D'APPARTEMENTS



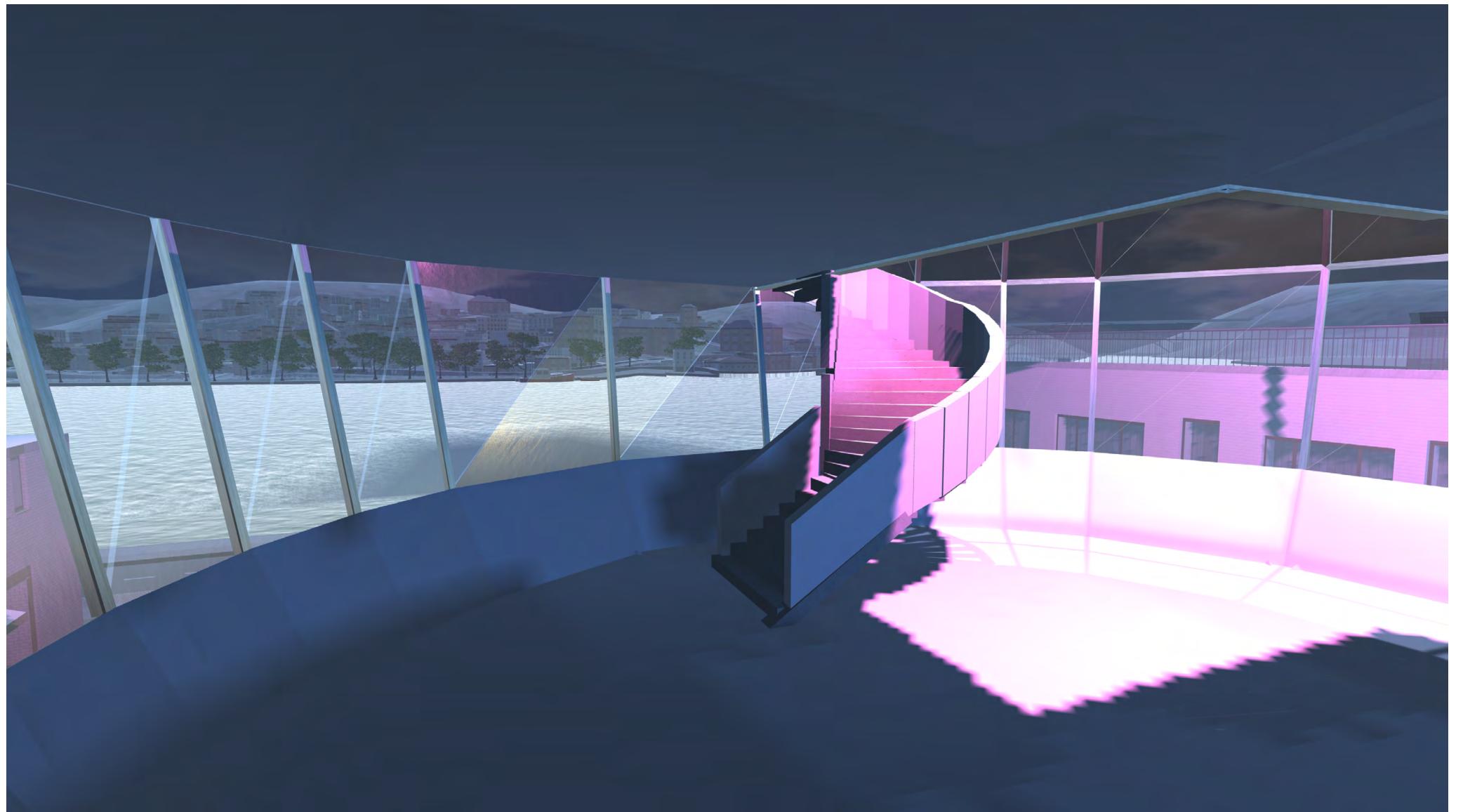


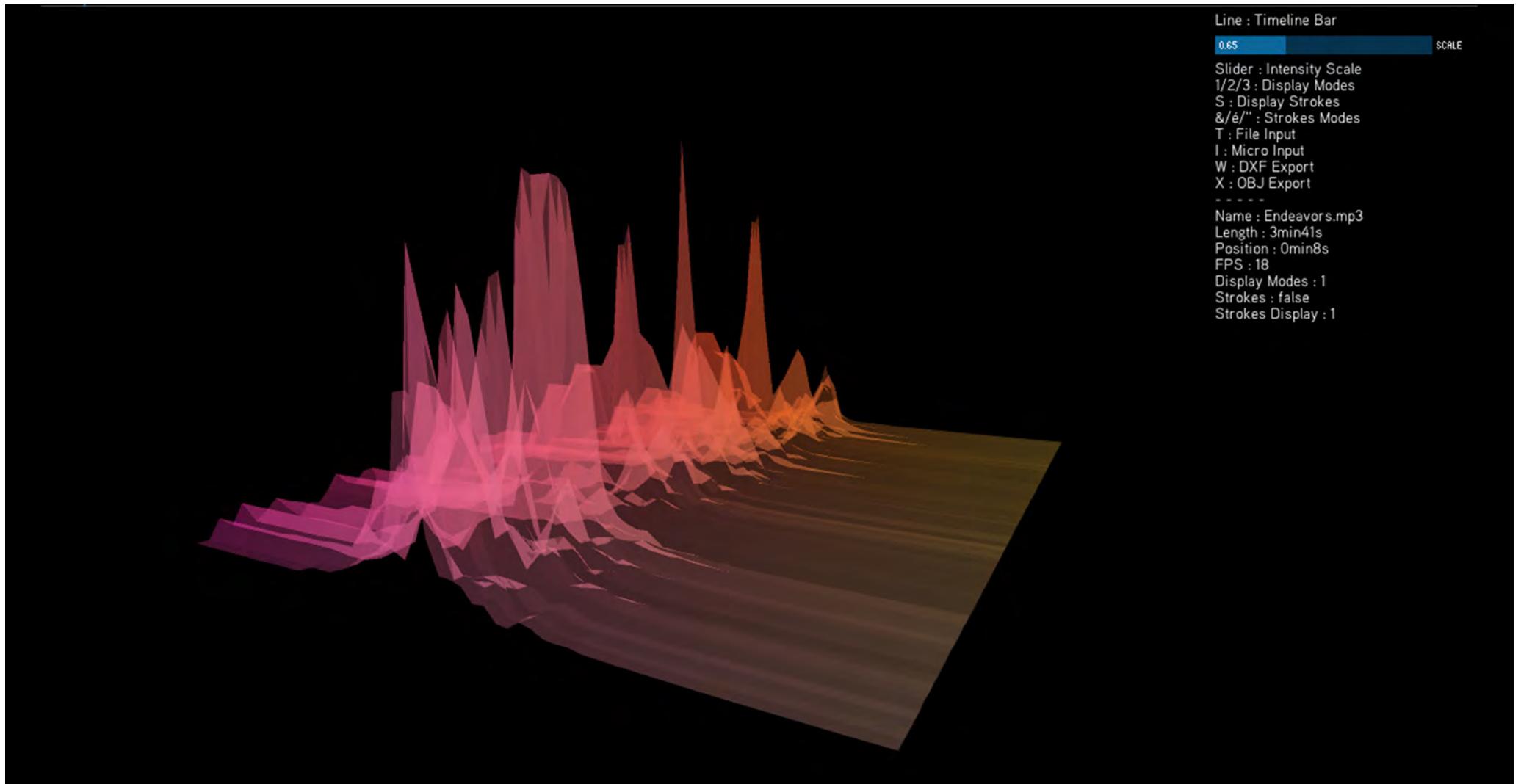
Urban and Housing
Program redefinition for Paris 19th district and housing analysis
[Academic]



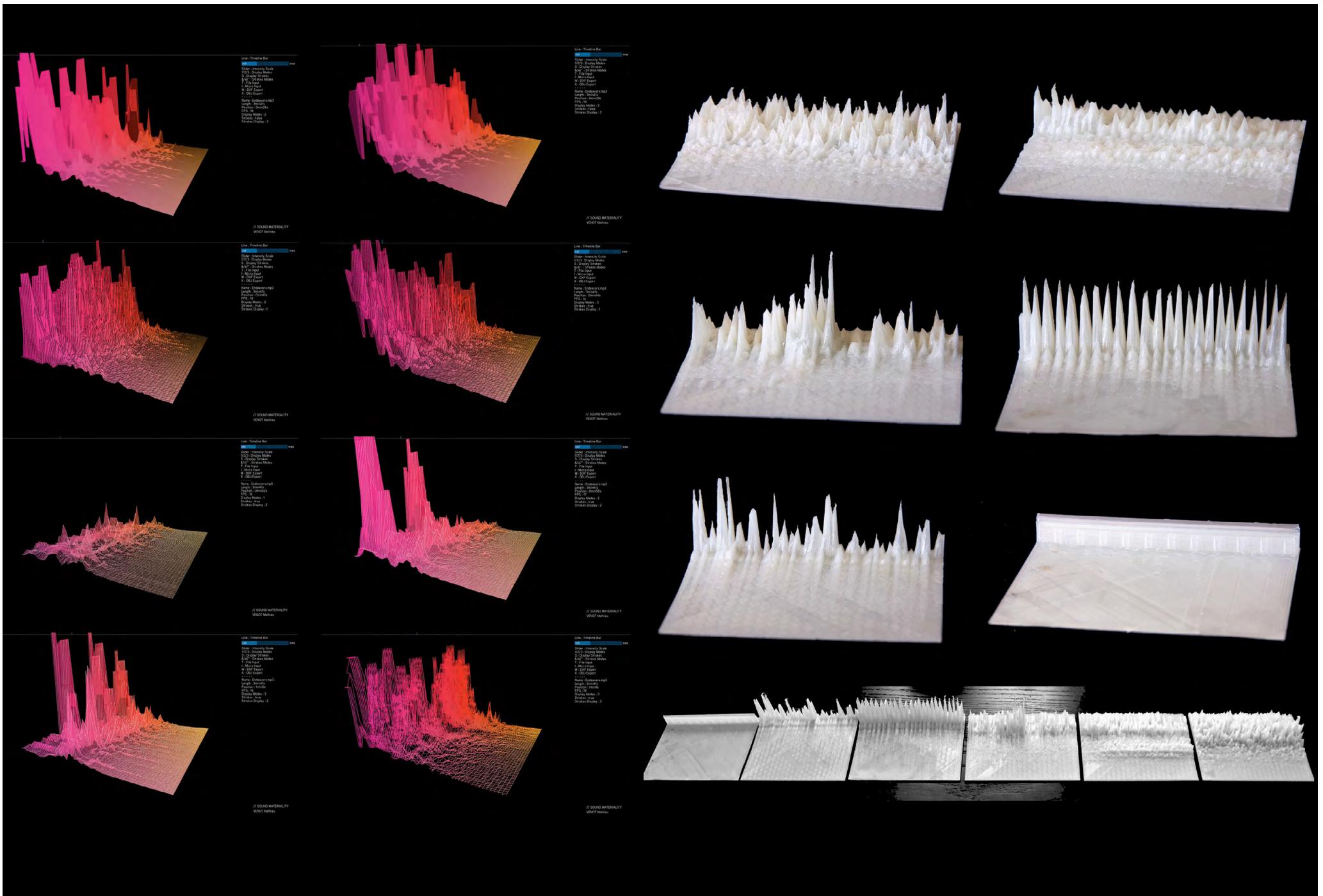


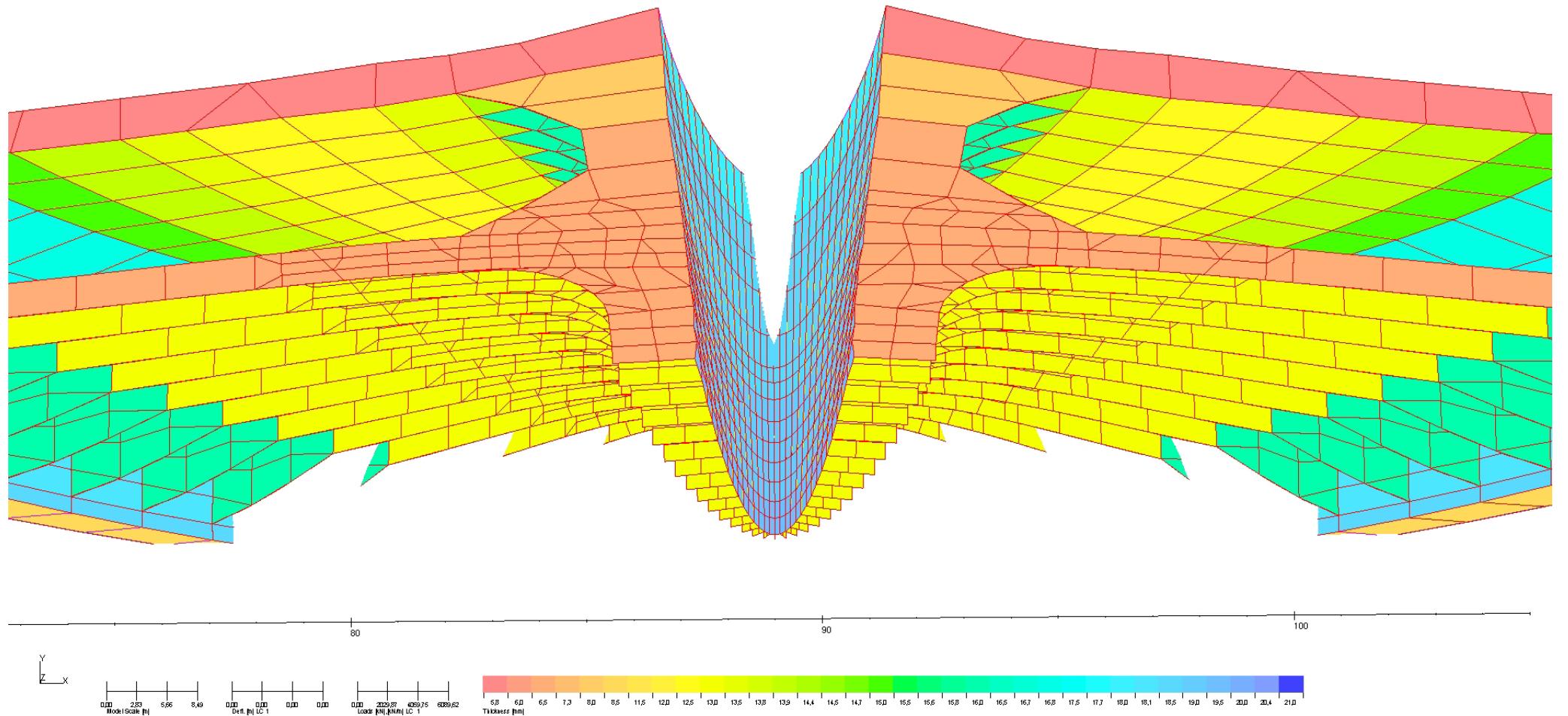
Virtual Reality Architectural Conception Software
Real-time immersive simulation, environment acquisition, interoperability and multi-user collaboration
[Academic]



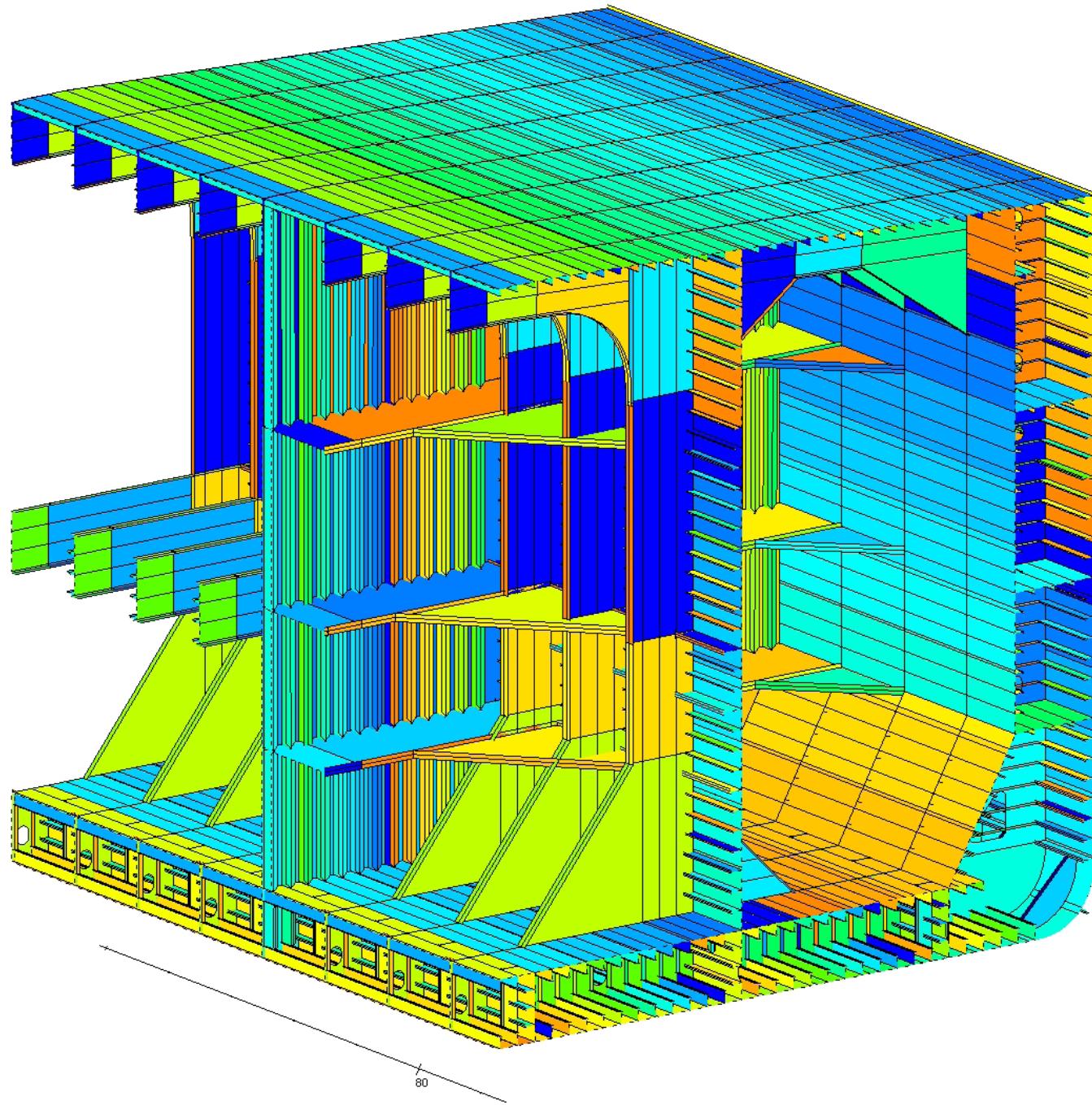


Sound Spectrum Materiality
Sound analysis and extracting for 3D printing prototyping
[Academic]





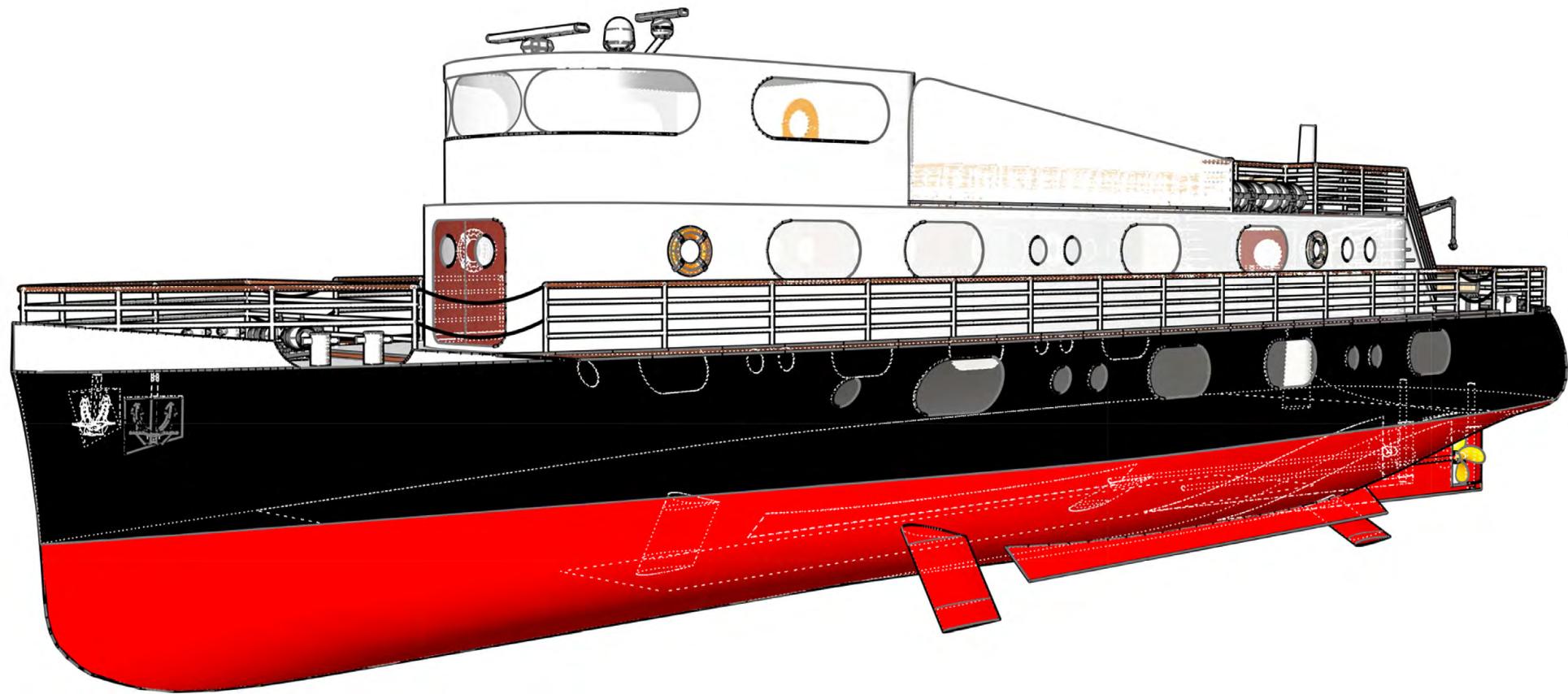
Structure Lab
Double Hull Bulk Carrier
[Academic]



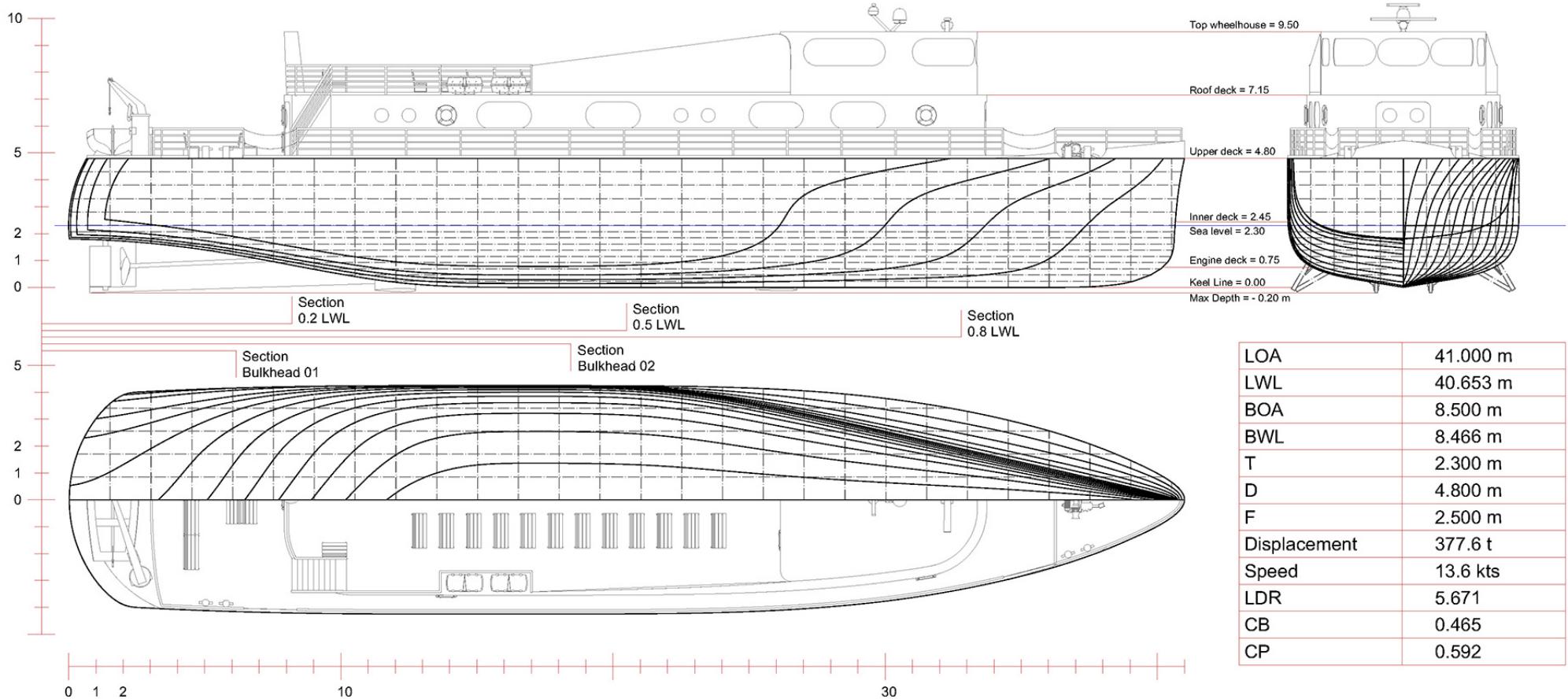
X
Y
Z

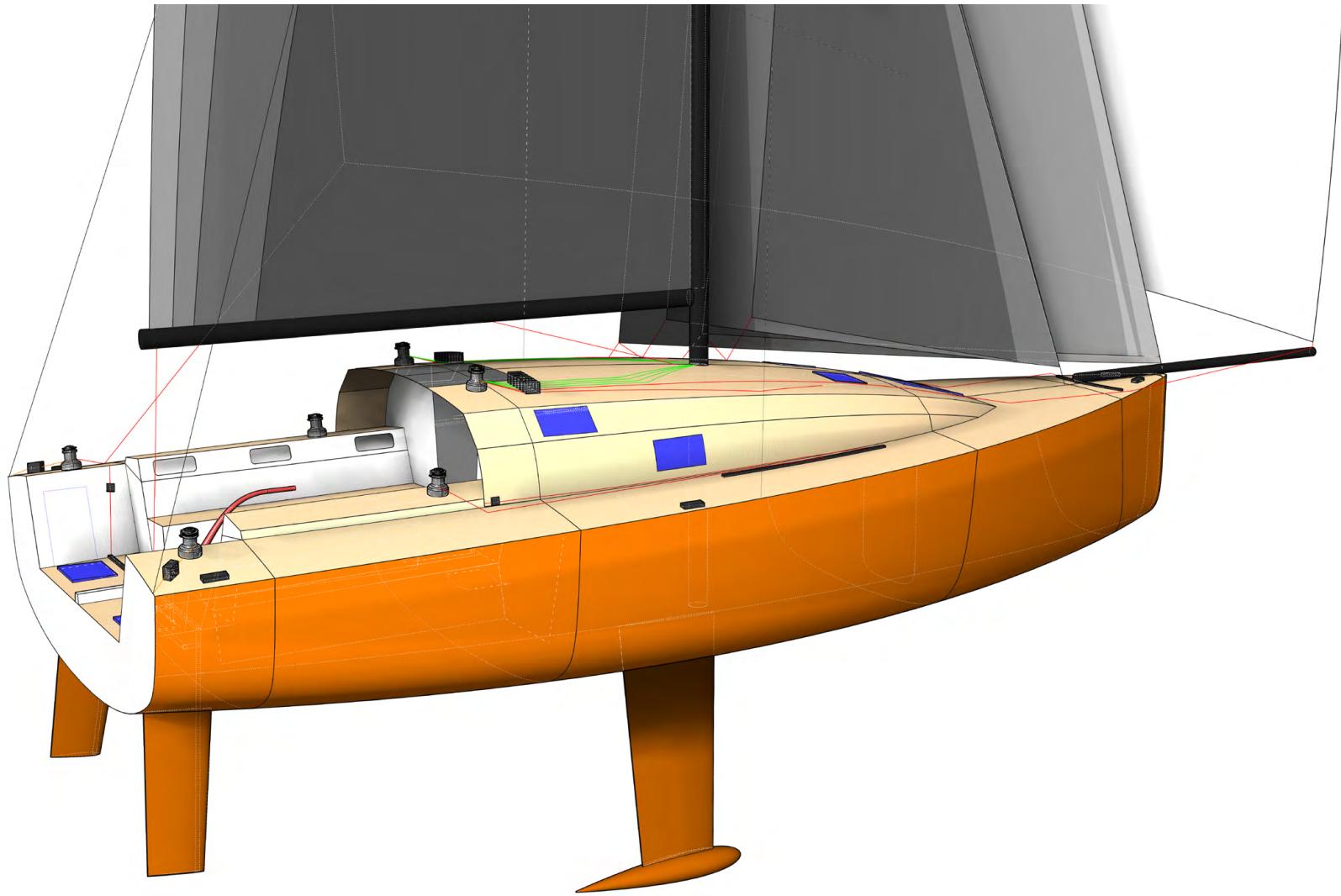
Model Scale [m]

0.00 1.64 3.28 4.92

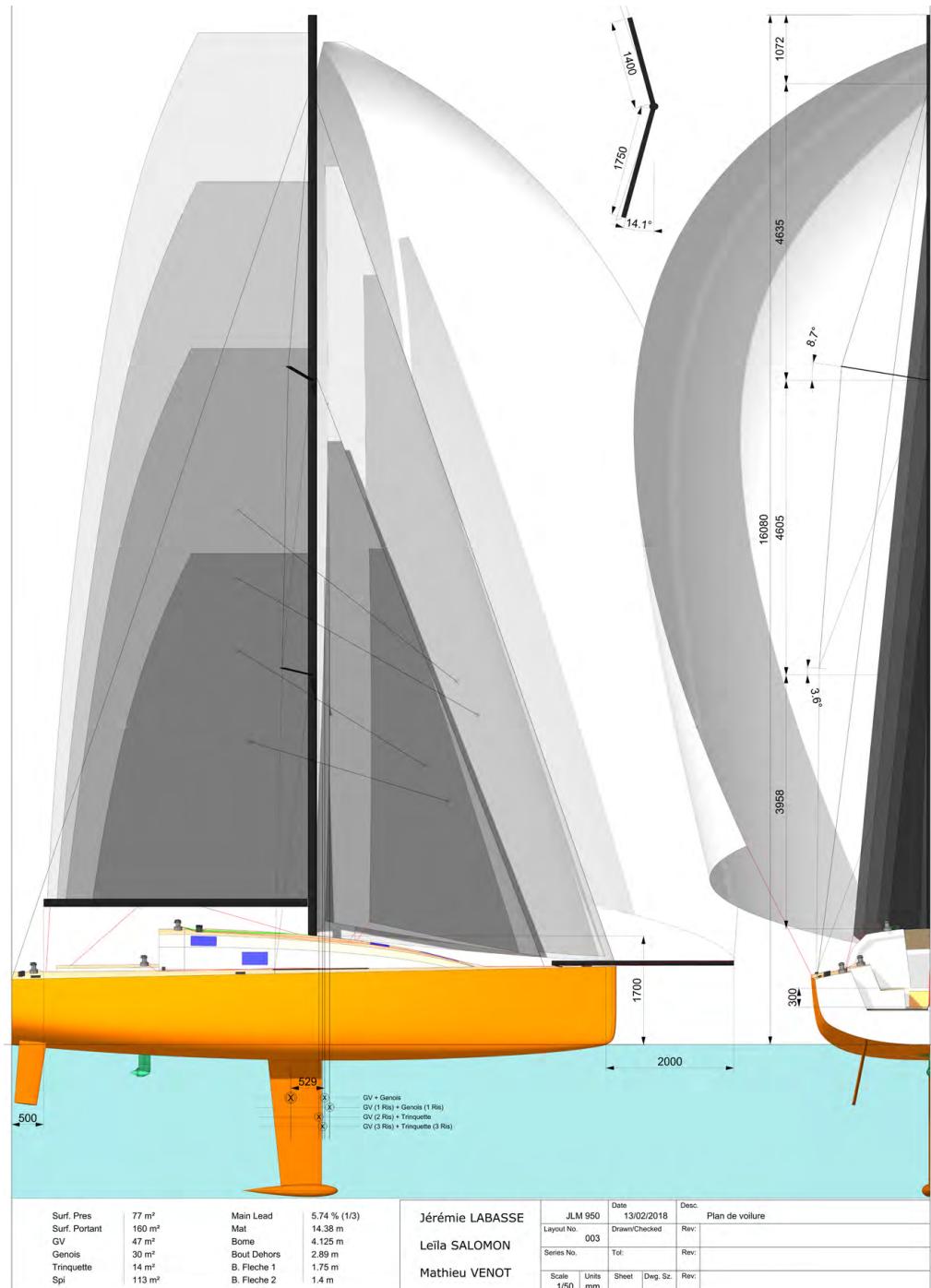
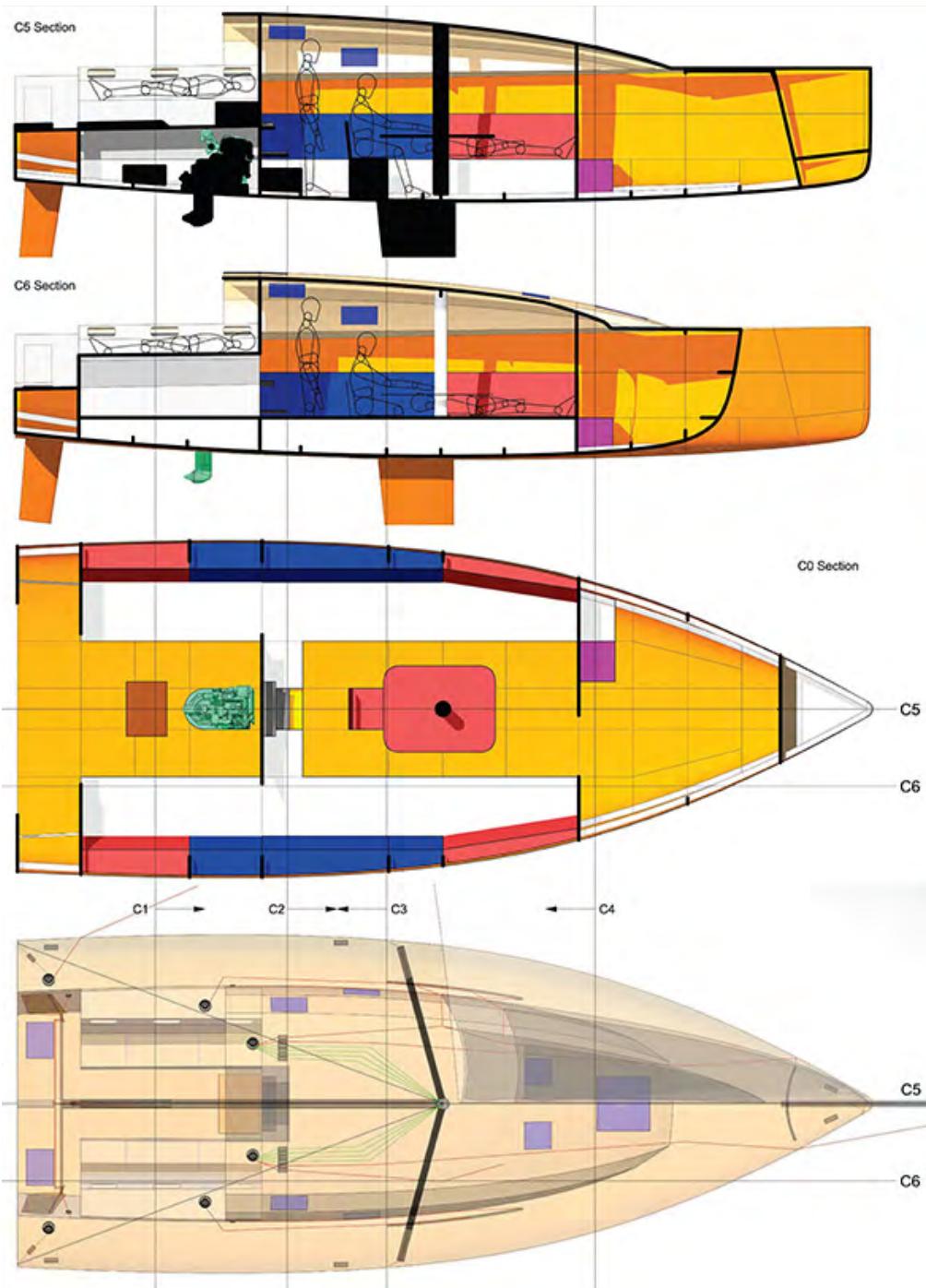


Ships Design Loop
Passenger Ship
[Academic]



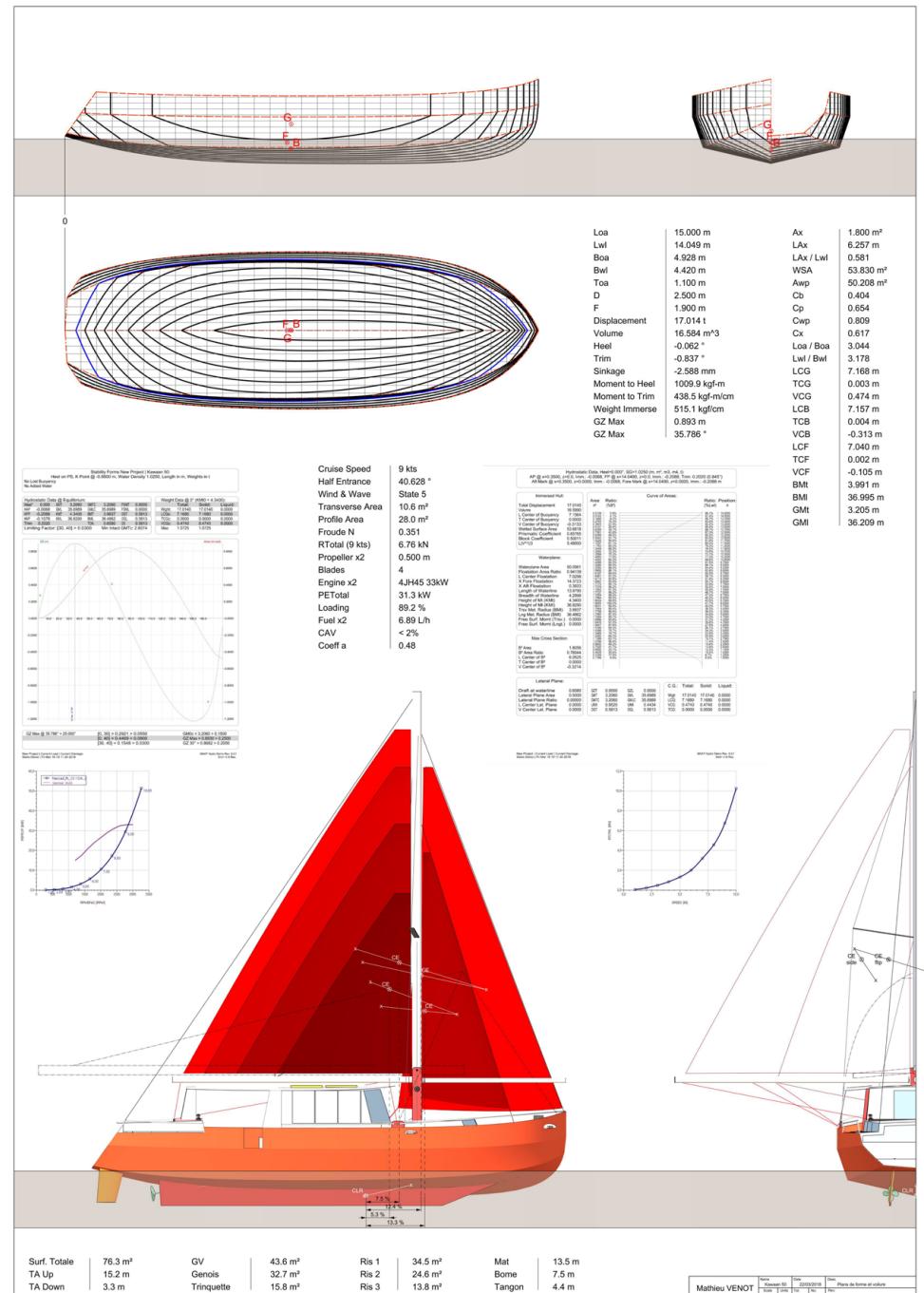
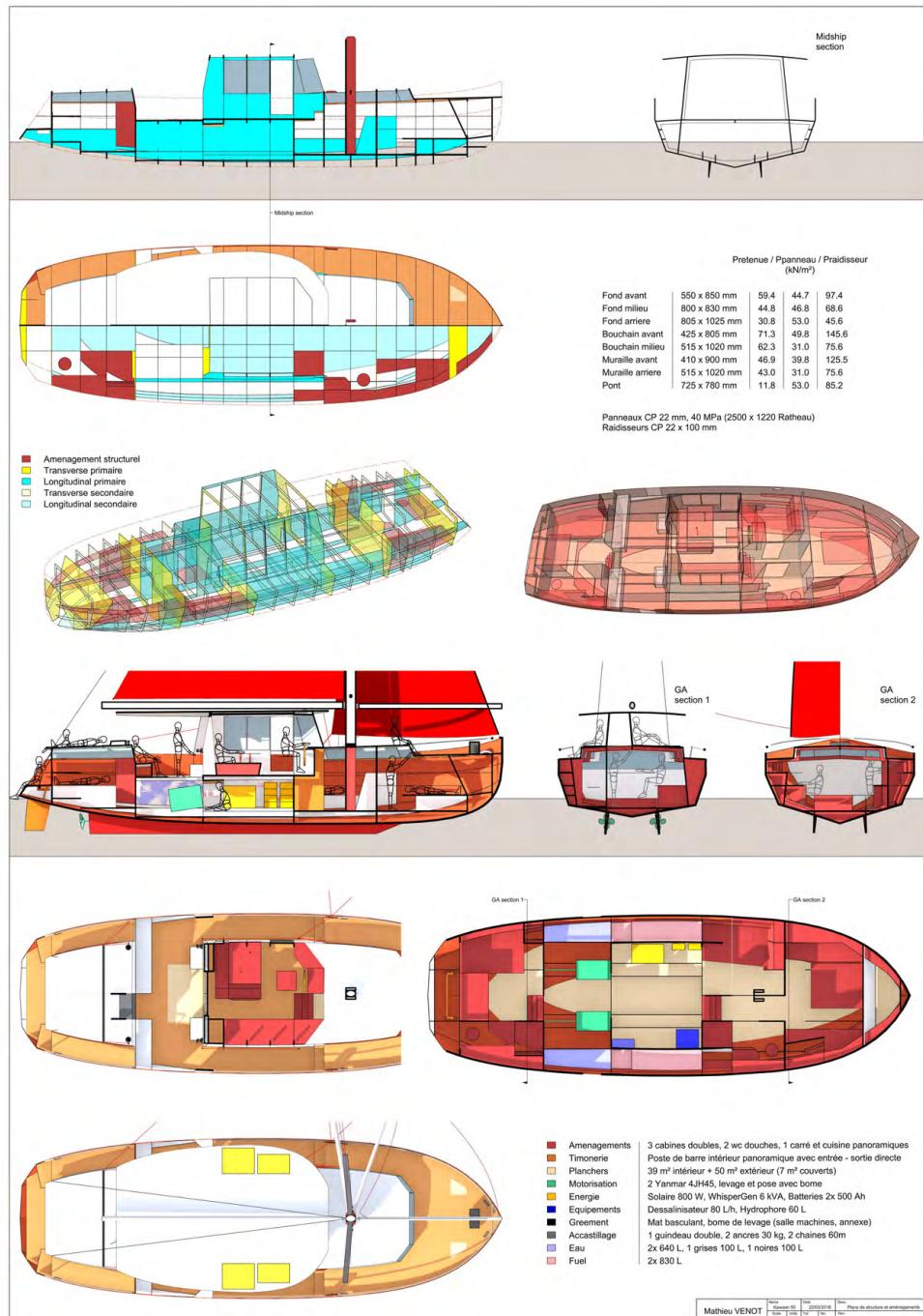


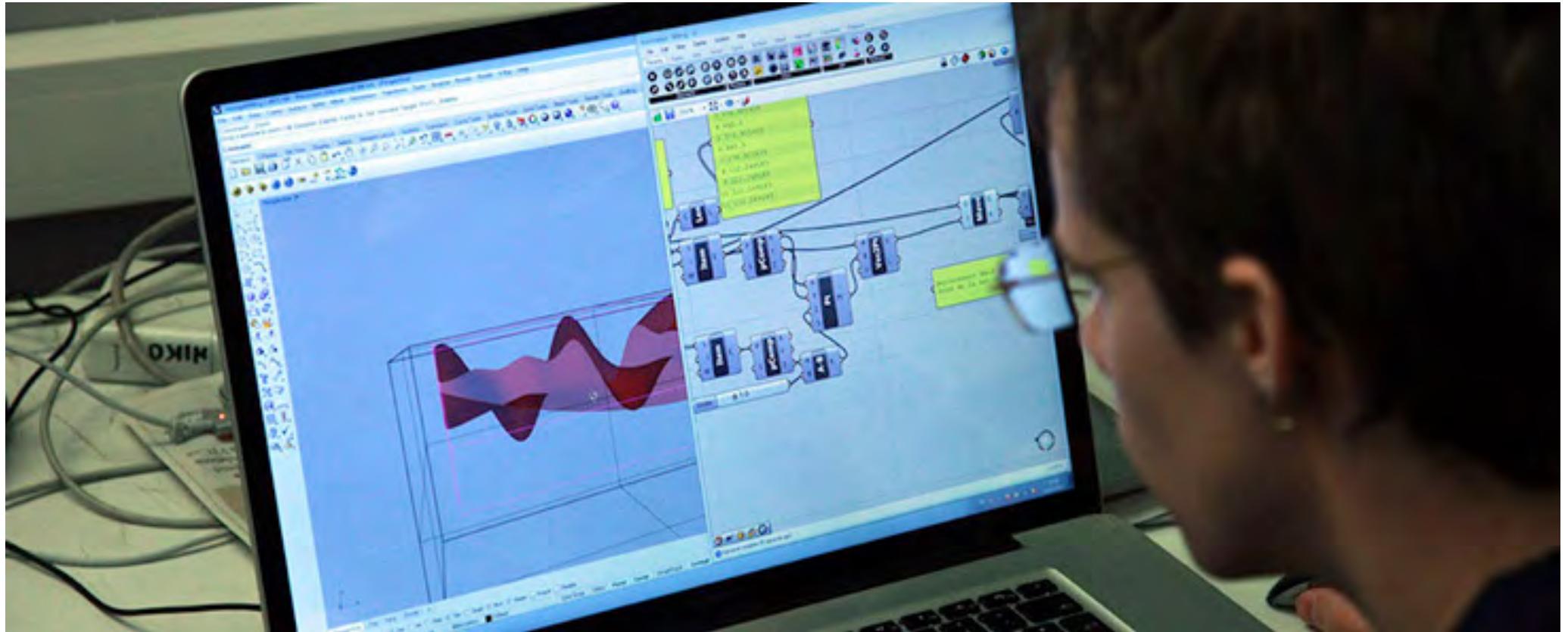
Class 950
Offshore Racing Sailboat
[Academic]





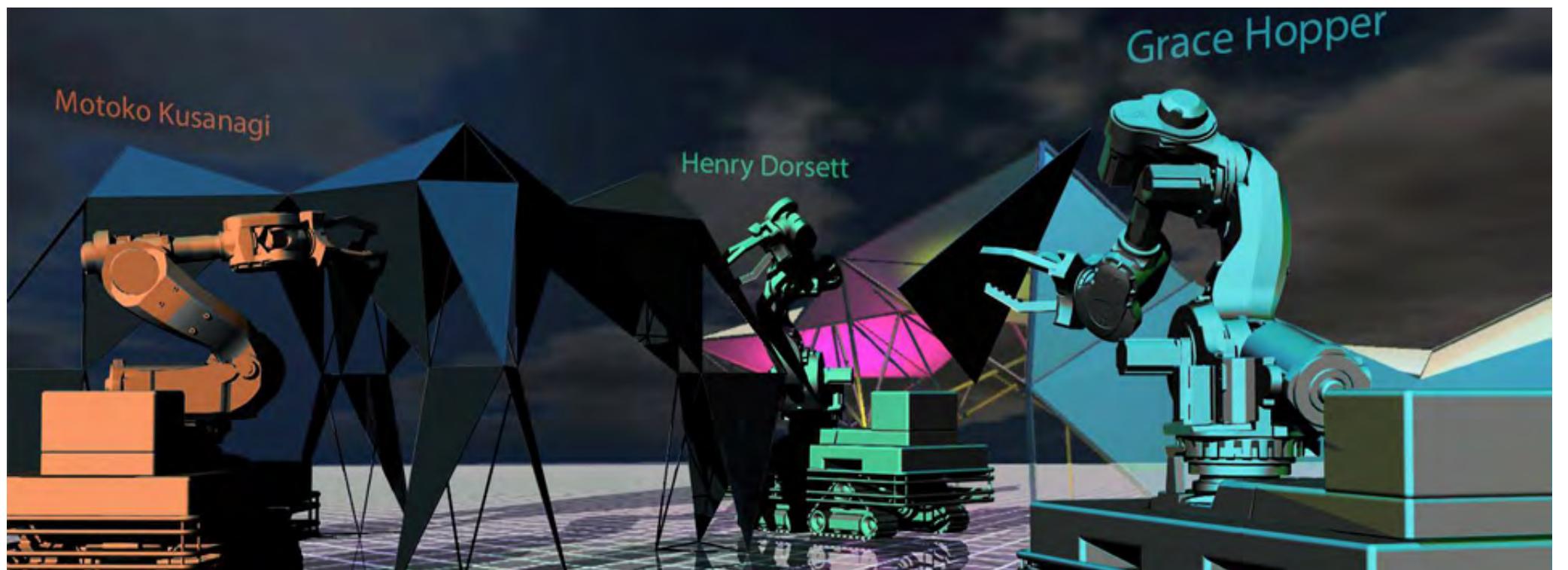
Sailing Barge
Sea/River Expedition Sailboat
[Academic]





Digital Teaching
Robotic control, prototyping, 3D modeling, parametric design and programming softwares
[Teaching]





*AAG 2016 Workshop
Multi-User Cobotics Simulation in Virtual Reality applied construction
[Teaching]*





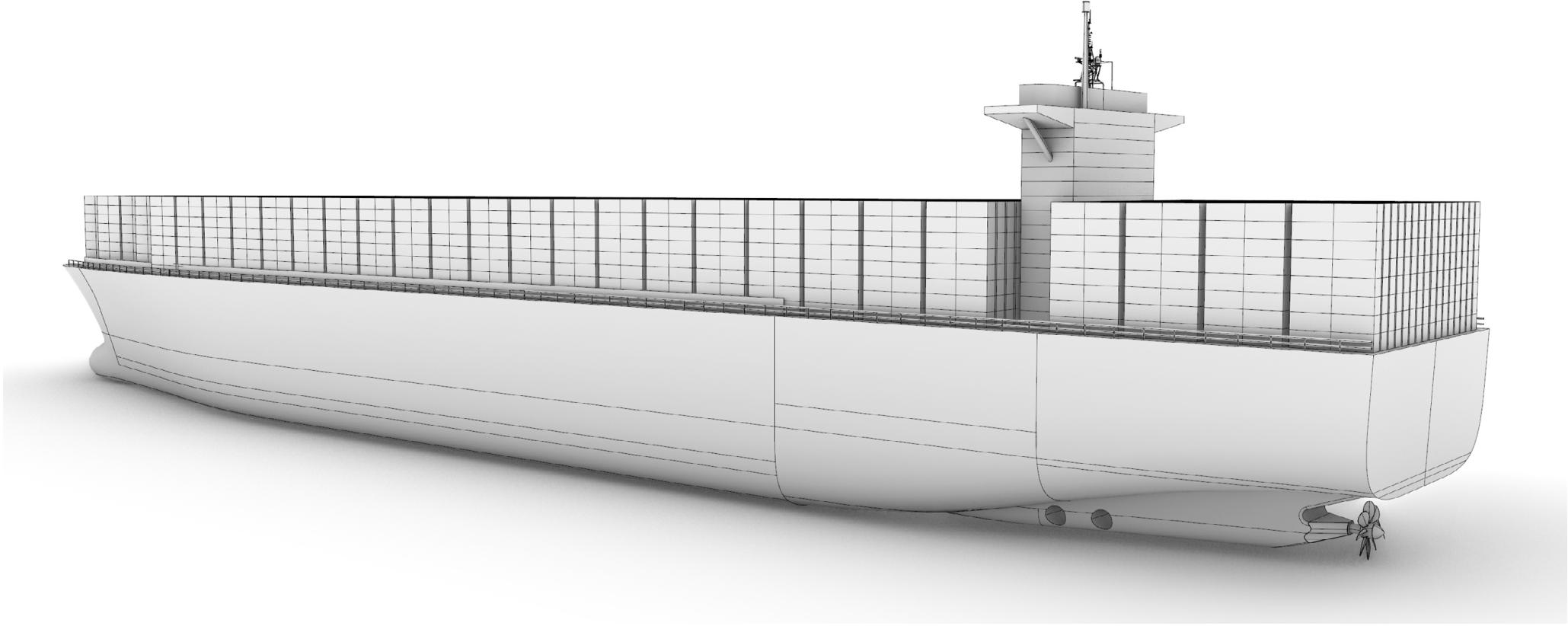
*DMS 2017 Workshop
Virtual Immersive Architecture
[Teaching]*



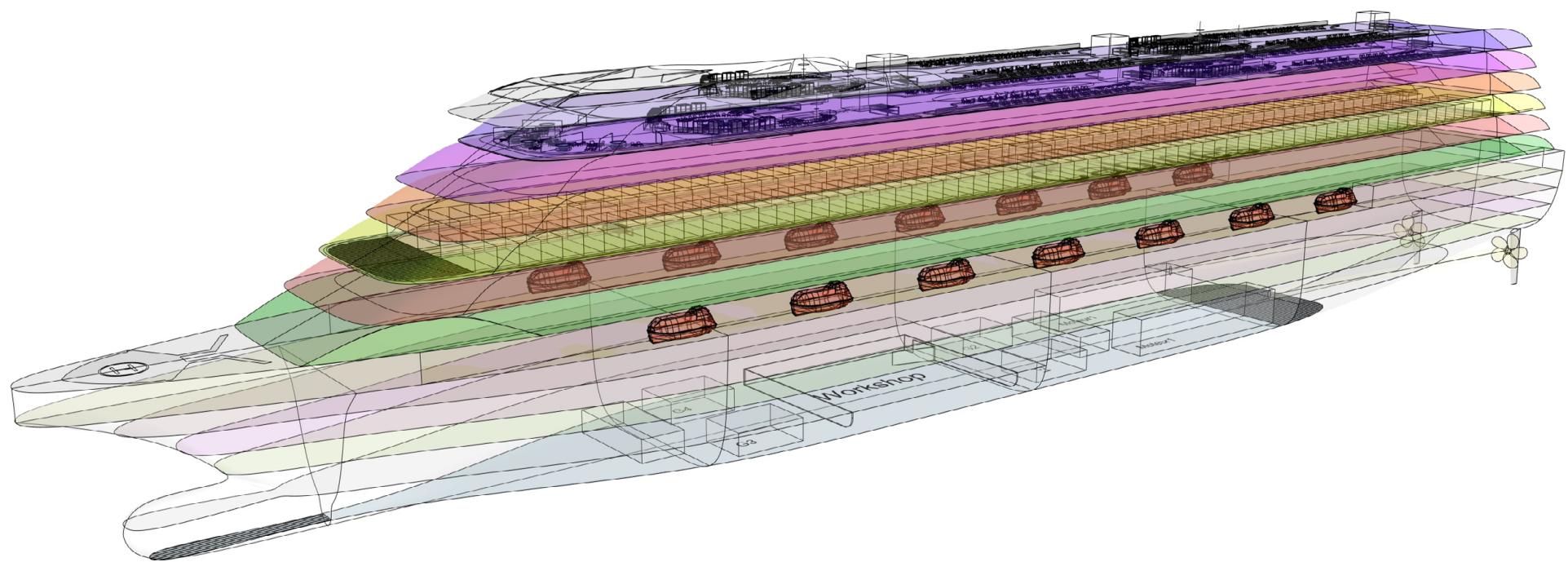


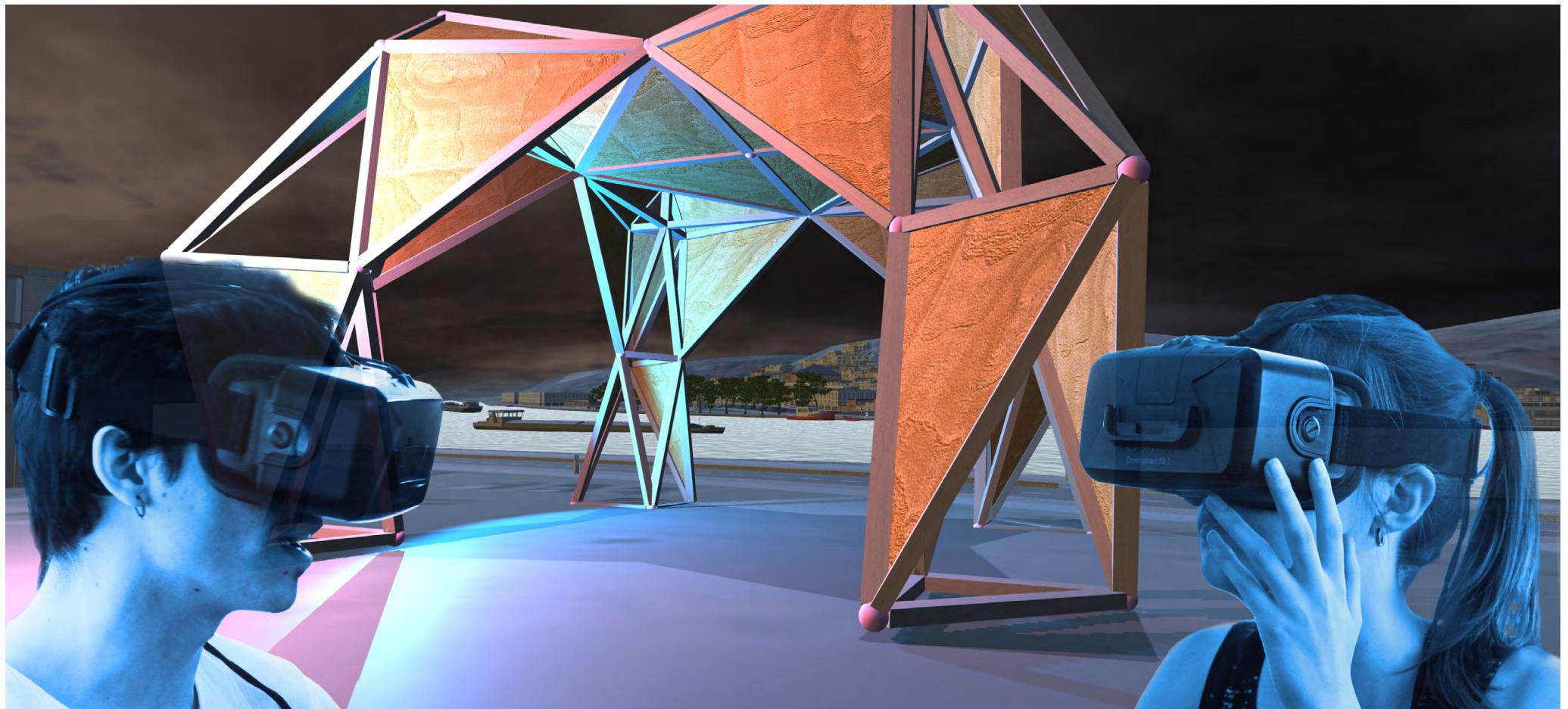
Virtual Reality Workshops
Architectural and fine arts schools, conventions and events, exhibitions and shows
[Teaching]



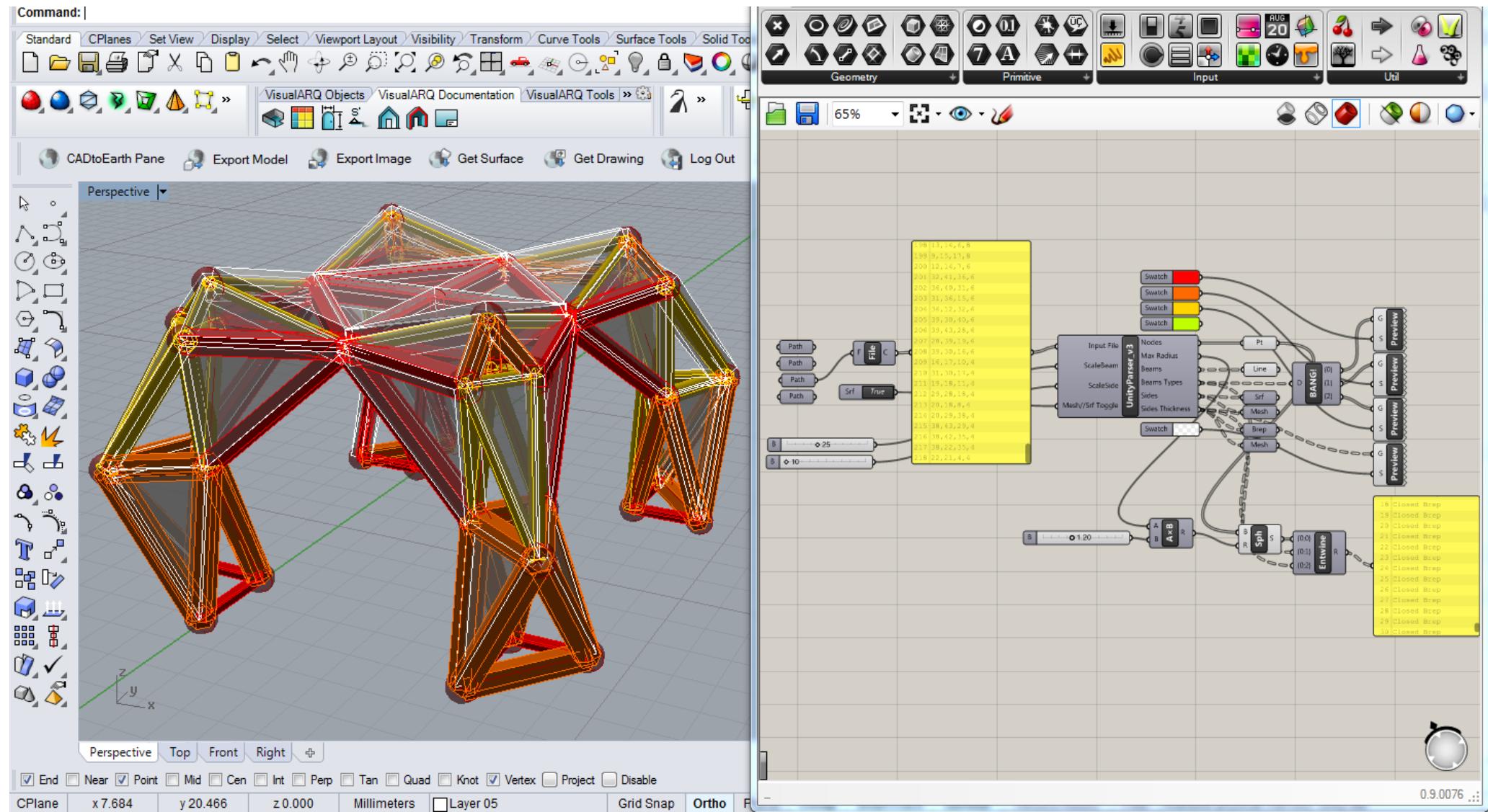


Junior Entreprise
Ensta Bretagne group follow-up
[Teaching]





DixieVR
Immersive Multi-User Simulation for Architectural Conception
[Consulting]

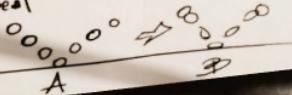




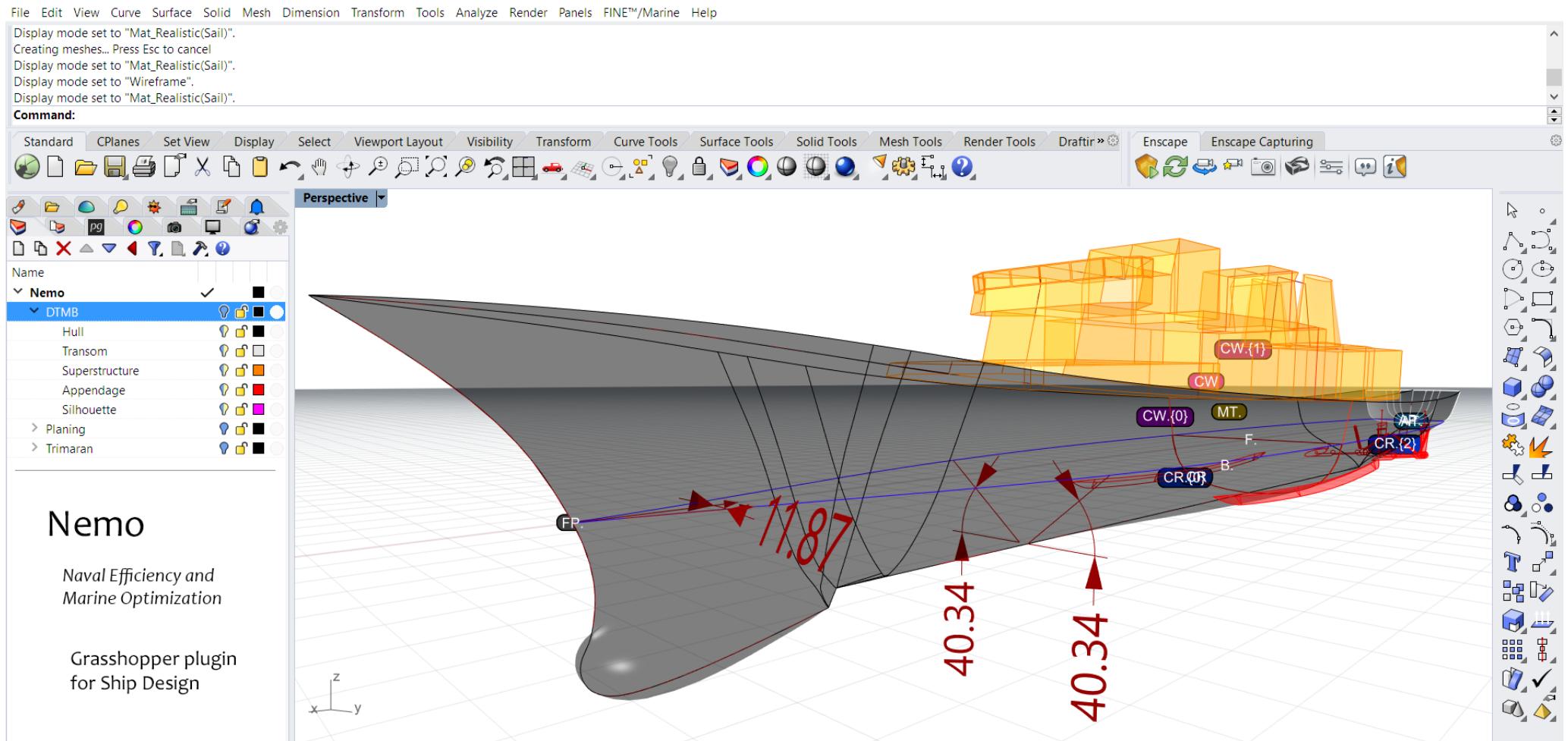
Dixie Lab

*Virtual Reality Experts, Architectural Research, Real-time Rendering
[Consulting]*

recommended to suppress

1. squash and stretch
 2. staging
 3. anticipation
 4. straight ahead and pose to pose
 5. follow through and overlapping
 6. slow in and slow out
 7. arcs
 8. secondary action
 9. timing
 10. exaggeration
 11. solid drawings
 12. appeal
- last lesson today*
- 





Nemo
Grasshopper plugin for Ship Design
[Consulting]

C:\Users\Mathieu Venot\AppData\Roaming\Grasshopper\UserObjects\Nemo\Examples\Example.3dm (1 MB) - Rhinoceros 6 Educational - [Perspective]
File Edit View Curve Surface Solid Mesh Dimension Transform Tools Analyze Render Panels FINE™/Marine Help

Autosave succeeded

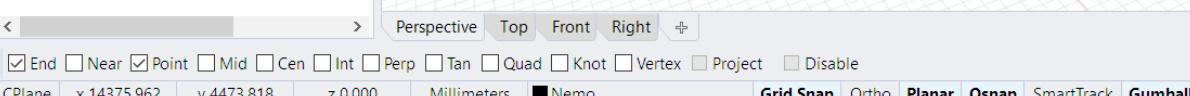
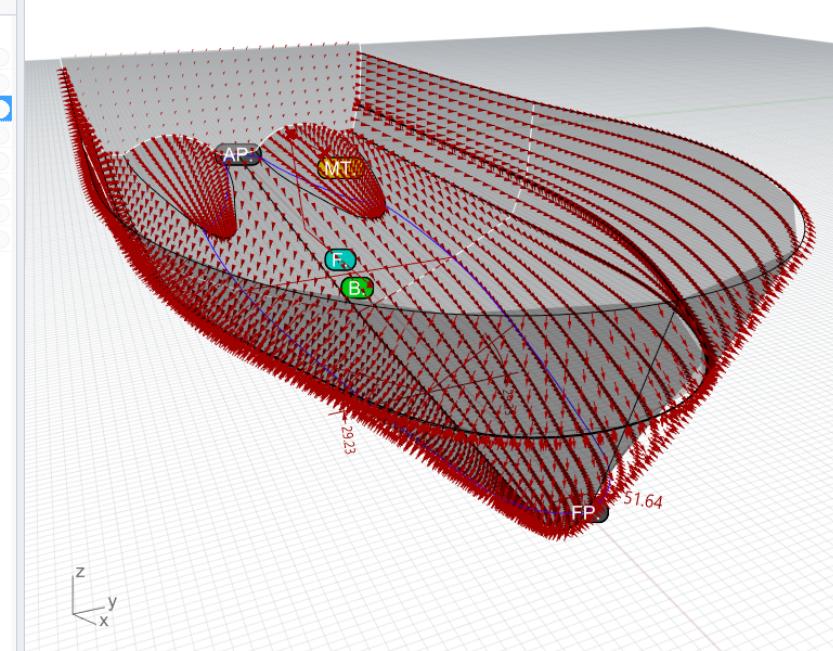
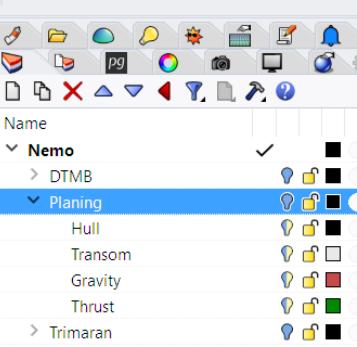
Choose coordinate system (CPlane World): _World

Choose world view (Top Bottom Left Right Front Back Perspective TwoPointPerspective): _Front

Autosaving file as C:\Users\Mathieu Venot\AppData\Local\McNeel\Rhinoceros\6.0\AutoSave\Example (394472) RhinoAutosave.3dm

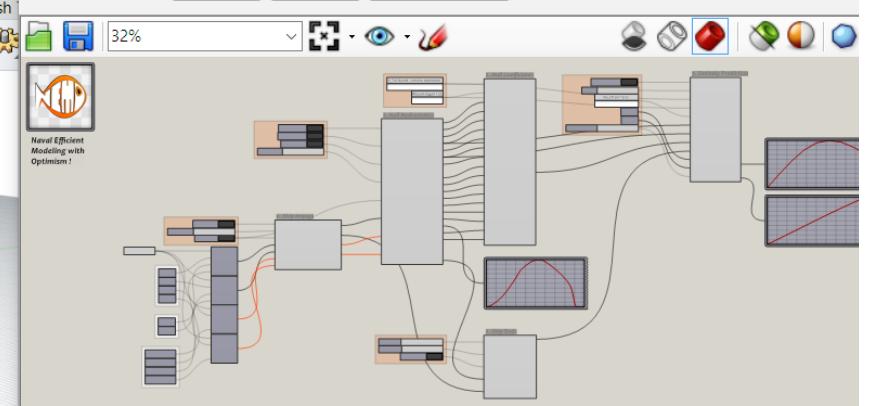
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Command:

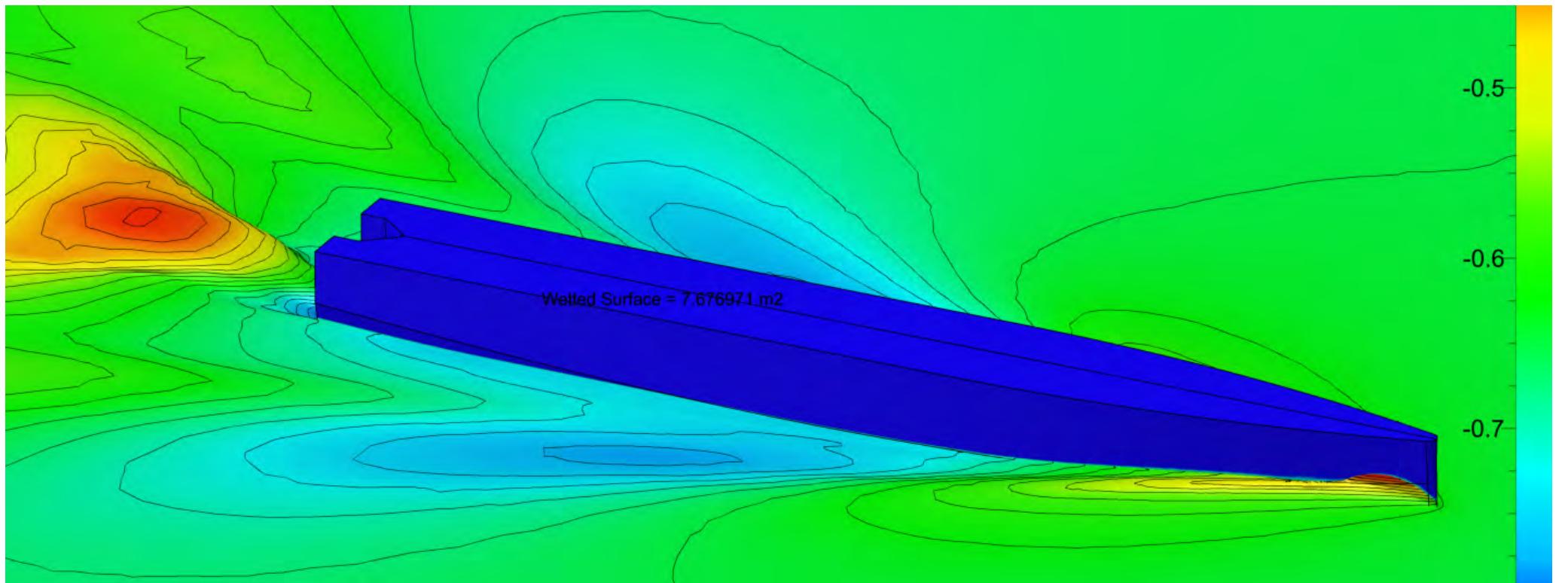


Grasshopper - 3_Savitsky Prediction
File Edit View Display Solution Help

Prm Math Set Vec Crv Srf Msh Int Tms Dis Nemo Kangaroo2 Ameba K G M U 3_Savitsky Prediction



```
C:\Users\Mathieu Venot\AppData\Roaming\Grasshopper\UserObjects\... - Speed = 40 Knots
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RN = 307092621.59752
Lk = 23.312731
d = 0.318953
TAU = 2.572692
-
T = 35286.680449
D = 35288.663603
-
Cf = 0.001779
CV = 3.964057
-
Ps = 8.68101 & Check fig.18 for : 0.247344
PE = 726162.277695
PB = 1452324.55539
```



mathieuvenot.com
Naval Architecture, Marine Engineering, Generative Design & Interactive Rendering
[Consulting]





*Windsurfing
Seas and lakes
[Lifestyle]*





RM 1050
*Refit after struck bottom
[Lifestyle]*





First 35
One year around the North Atlantic Ocean
[Lifestyle]





Coco 650
*Parents skippers on mediterranean Classe Mini circuit
[Lifestyle]*





Freyinet Barge
Home living, handmade interior and equipments installation
[Lifestyle]



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