



Tobias Haelke portfolio

TOBIAS HAEELKE

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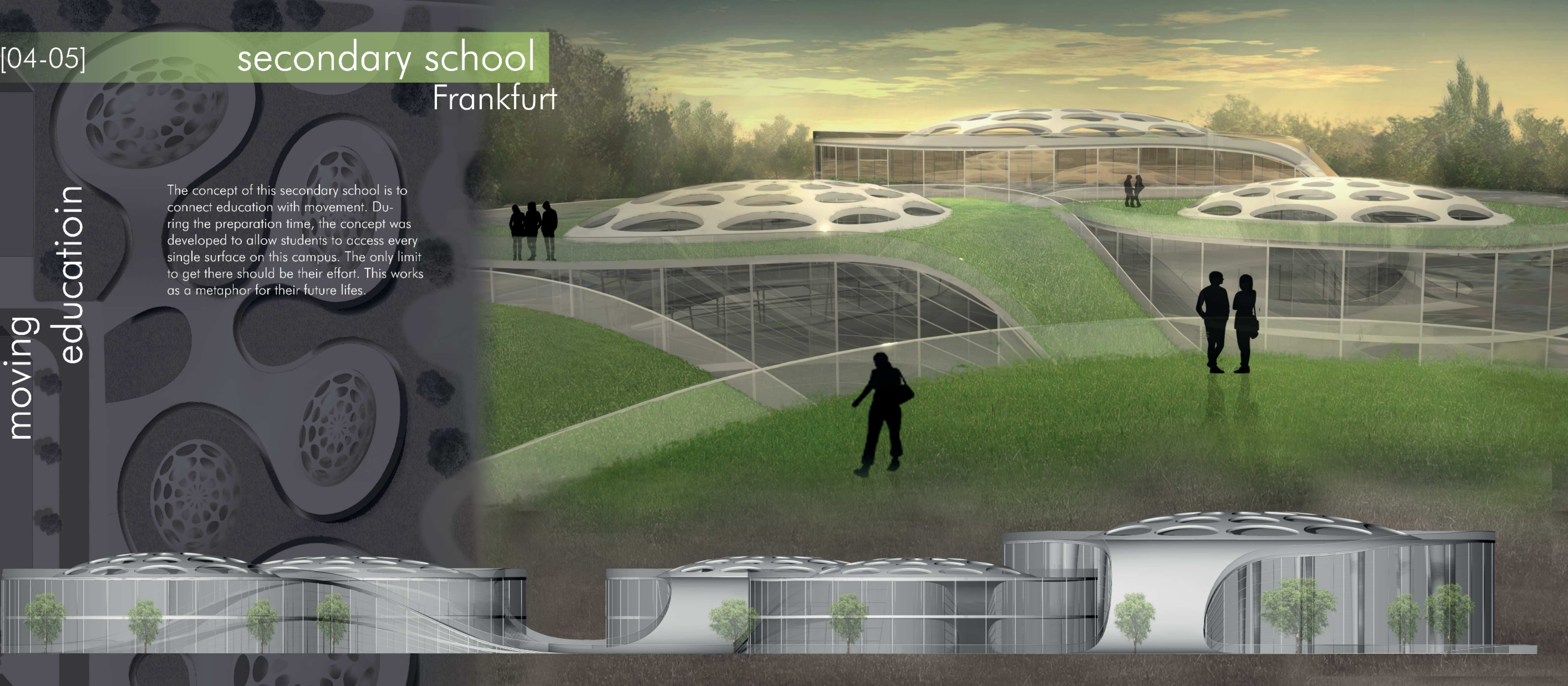
educational work

[04-05]

secondary school Frankfurt

The concept of this secondary school is to connect education with movement. During the preparation time, the concept was developed to allow students to access every single surface on this campus. The only limit to get there should be their effort. This works as a metaphor for their future lives.

moving
education



secondary school
Frankfurt

[06-07]



[08-09]

secondary school
Frankfurt



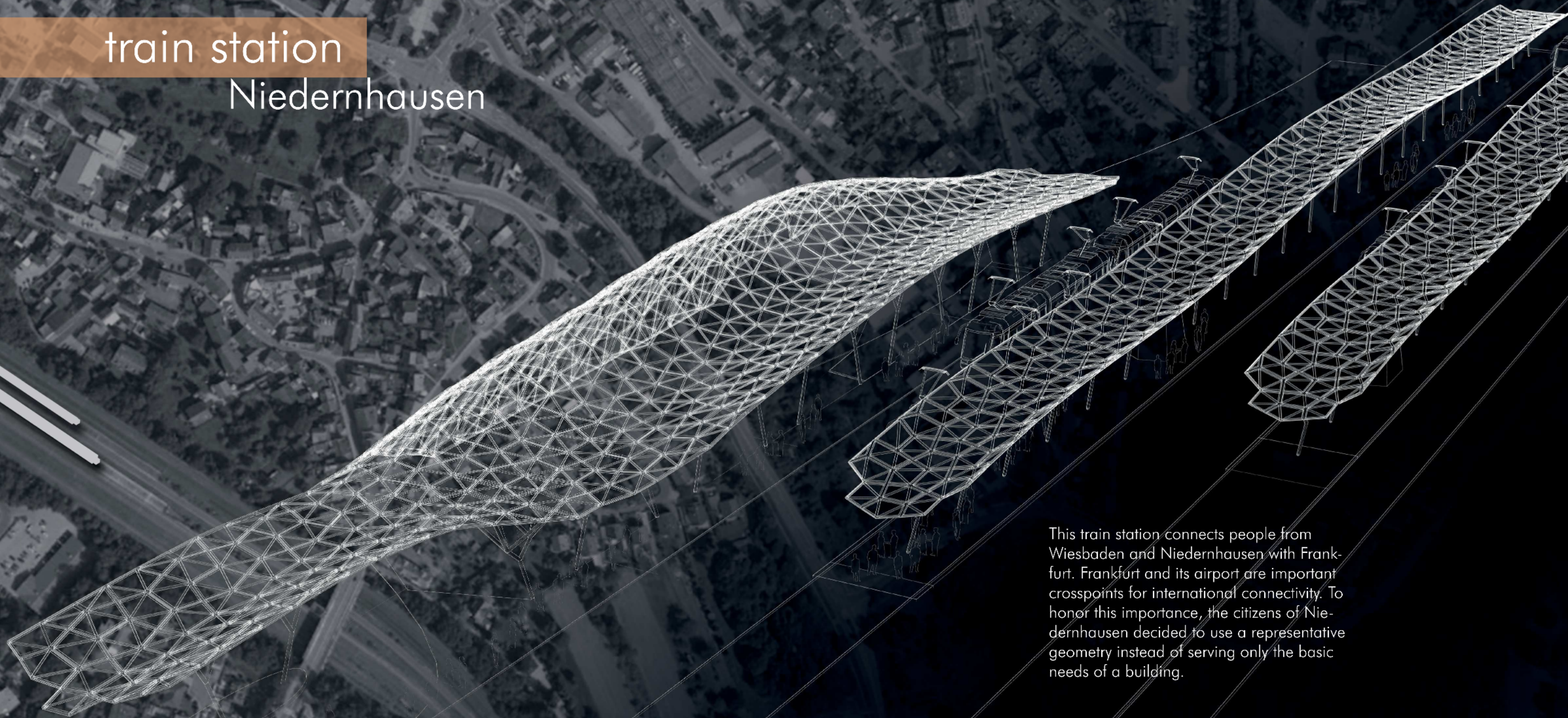
[10-11]

train station

Niedernhausen

transition

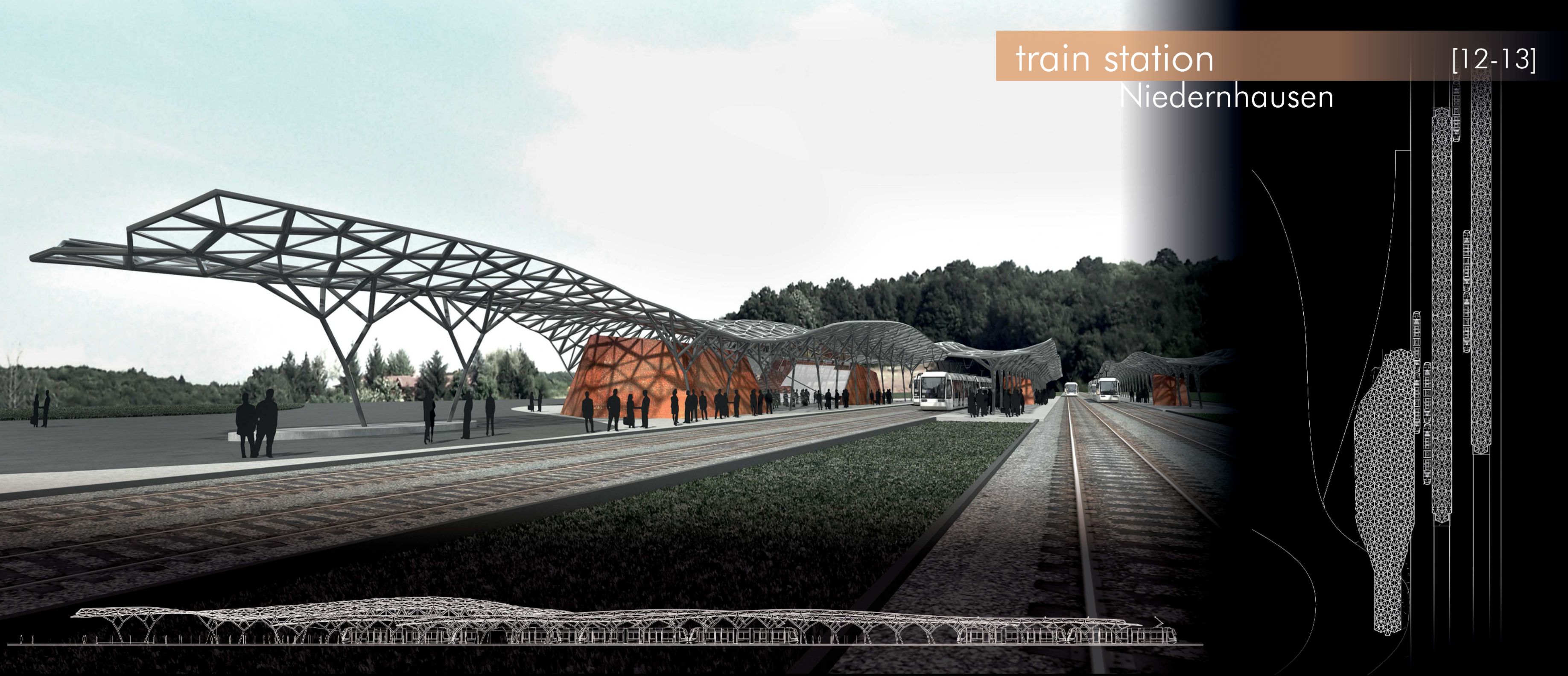
zones



This train station connects people from Wiesbaden and Niedernhausen with Frankfurt. Frankfurt and its airport are important crosspoints for international connectivity. To honor this importance, the citizens of Niedernhausen decided to use a representative geometry instead of serving only the basic needs of a building.

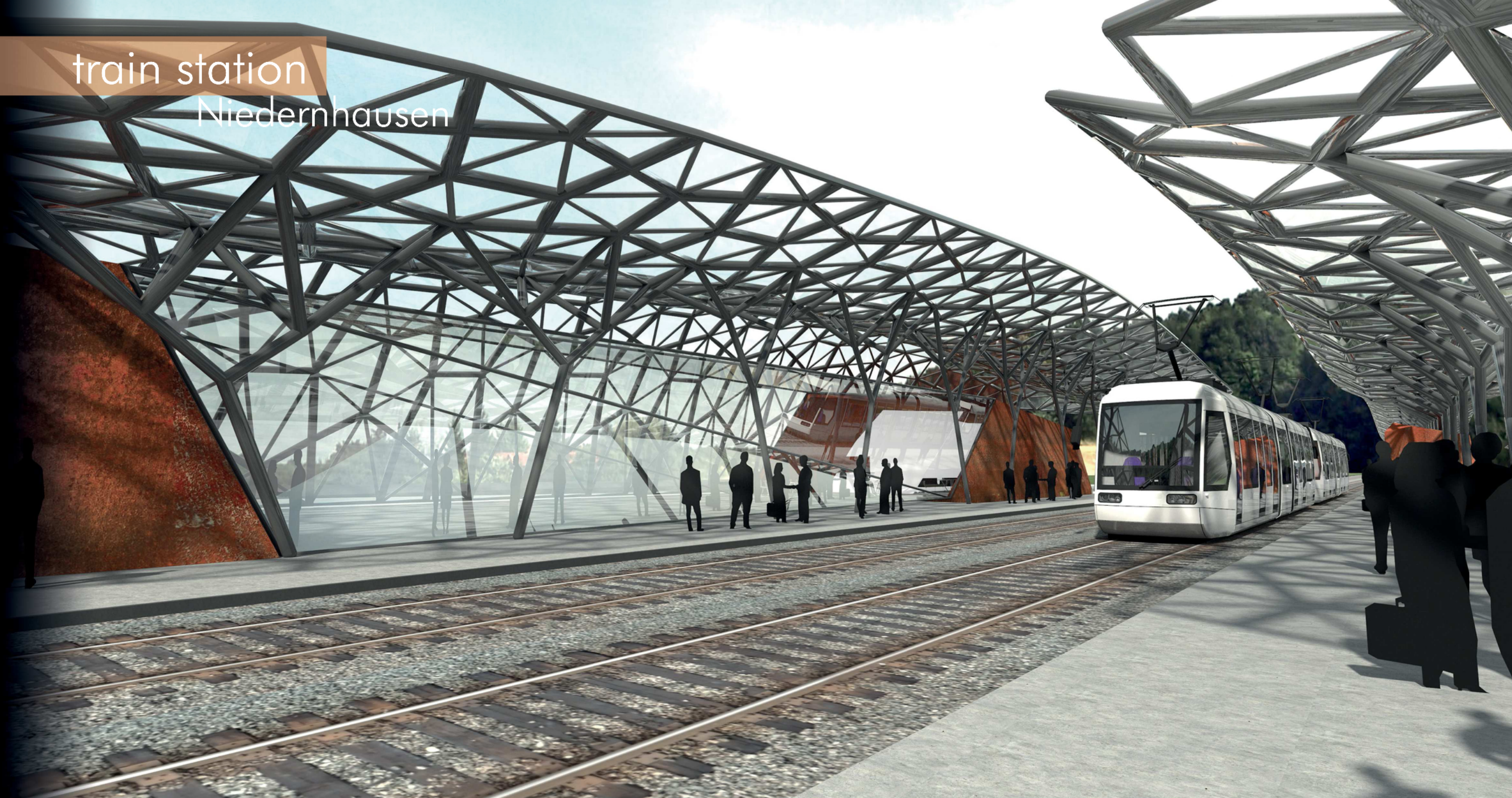
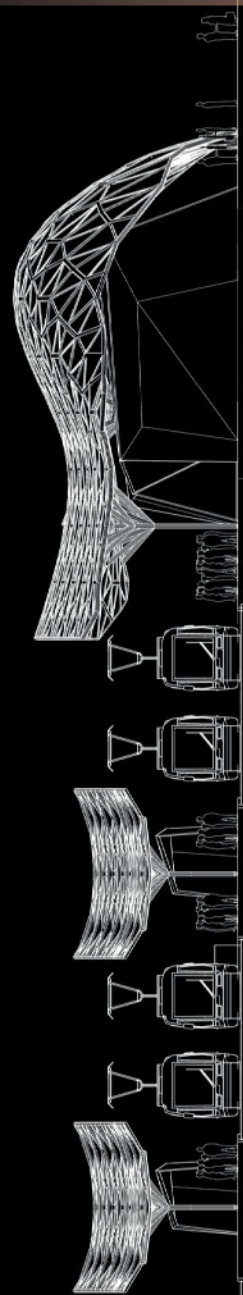
train station
Niedernhausen

[12-13]



[14-15]

train station
Niedernhausen



professional work

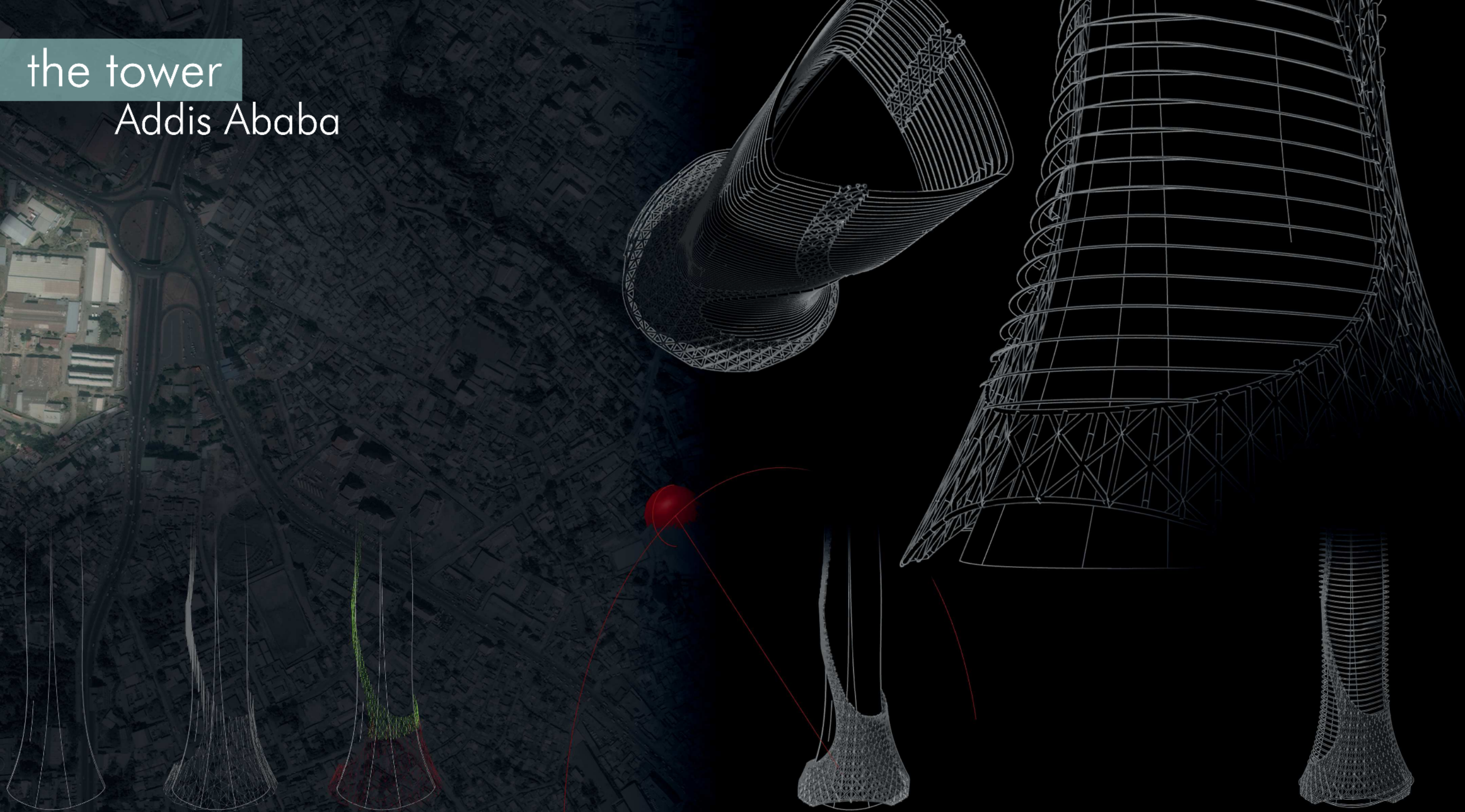
[18-19]

the tower

Addis Ababa

climate
issues

The occupants in Ethiopia's capital face enormous issues, cooling their buildings. To avoid this, we decided to shade the buildings, using a facade made out of fins. This passive cooling system saves a tremendous amount of energy and costs, while allowing the occupants to see their surroundings and providing pleasant room temperatures.



[20-21]

WAVE A

pavillion University Course

parametric
design

WAVE B

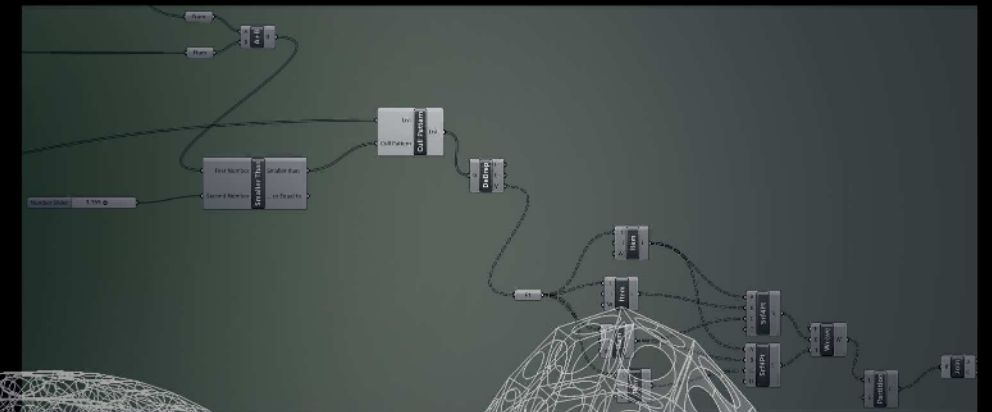
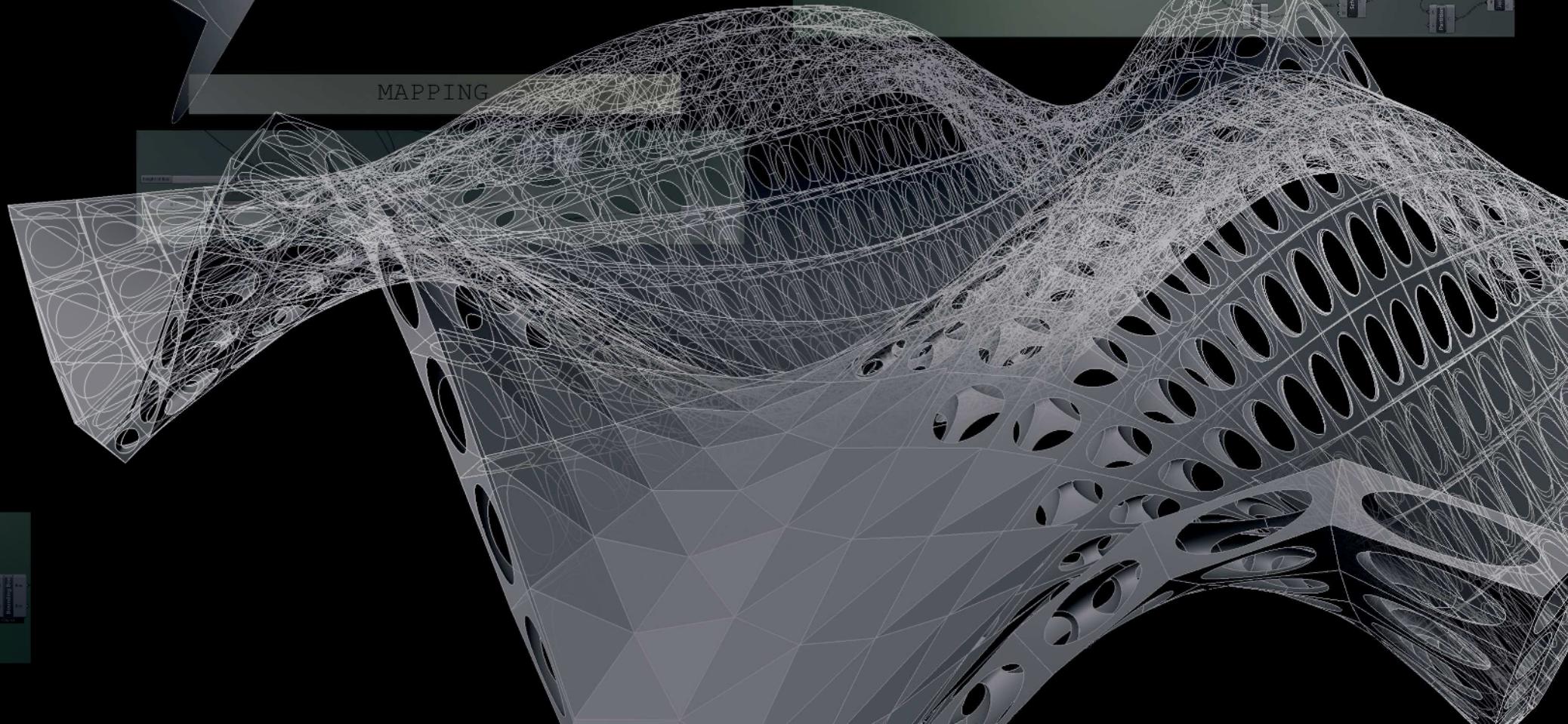
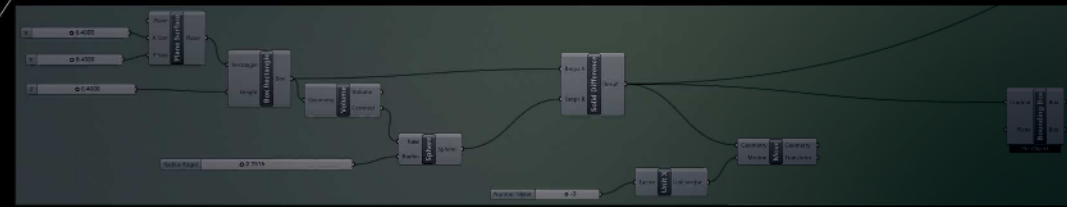
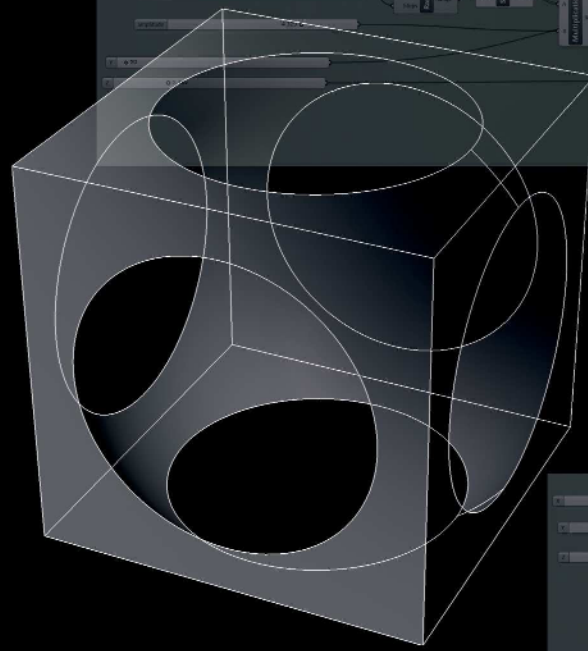
WELLE C

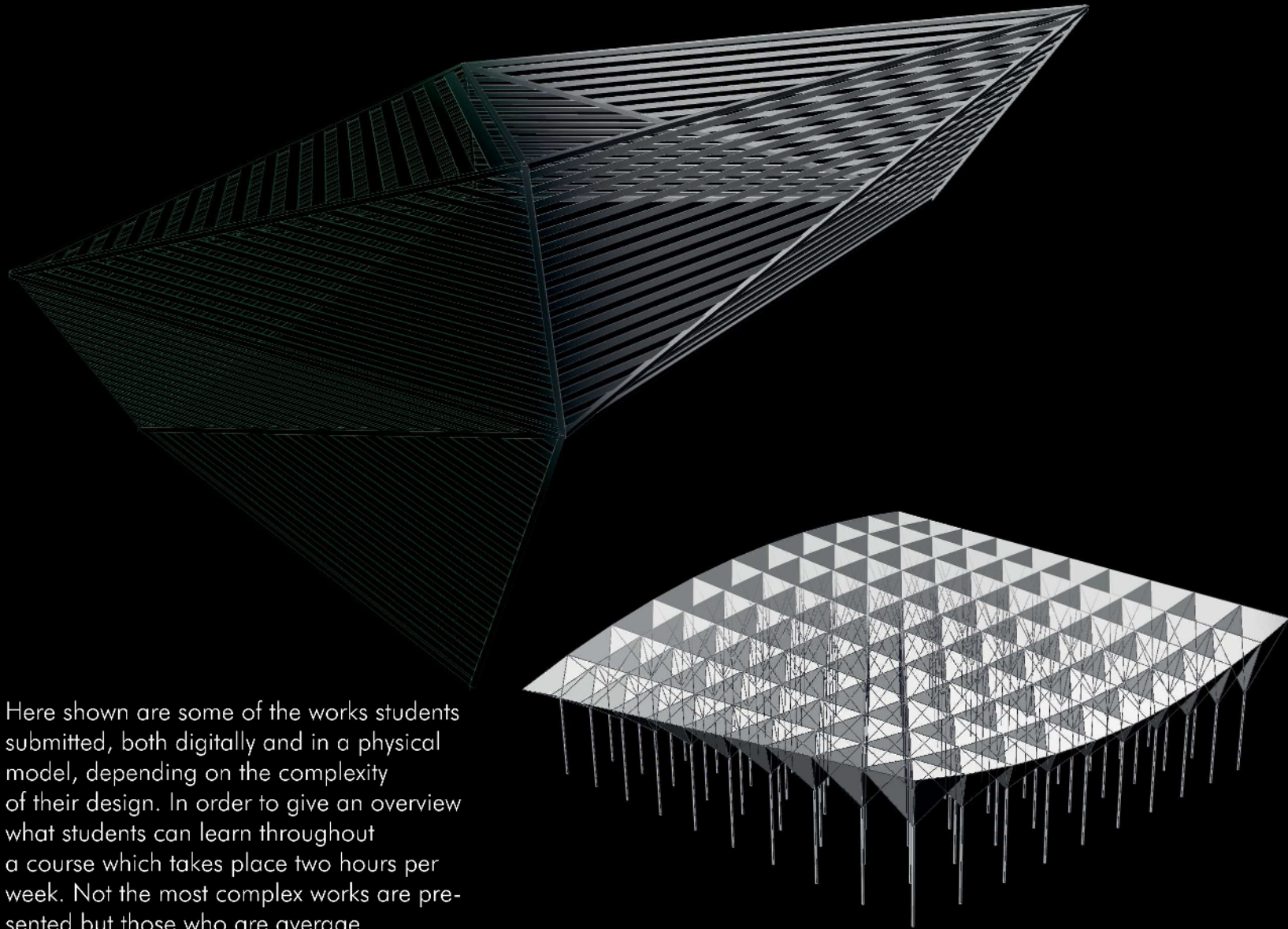
MAPPING

TRIANGLE SELECTION

BOX

During the course i teach at the RheinMain University of Applied Sciences, students learn how to build a pavillion using the software Rhino 3D and Grasshopper 3D. The goal is to generate a complex structure that considers the manufacturing process in terms of simplicity and eco-friendliness. Students create a variety of iterations throughout the course.





Here shown are some of the works students submitted, both digitally and in a physical model, depending on the complexity of their design. In order to give an overview what students can learn throughout a course which takes place two hours per week. Not the most complex works are presented but those who are average.

curriculum vitae

Personal Information

Name
Born
Adress

Tobias Haelke
09/10/1988 in Wiesbaden
Reichsapfelstraße 15
65201 Wiesbaden
0611 – 26 11 36
01575 – 2001636
tobias@haelke.com
German
Roman Catholic
Single



Education

08/1995-07/1999
08/1999-07/2003
08/2003-07/2006

Hafenschule Wiesbaden-Schierstein (primary school)
Gymnasium Am Mosbacher Berg (secondary school)
Werner-von-Siemens-Schule mit Realschulabschluss
(secondary school certificate)
(leadership of the music working group)

Graduation

08/2006-06/2009
01/08/2009-30/04/2010
01/05/2010-30/09/2010

Friedrich-List-Schule (secondary school, subject area: Data processing)
University-Entrance Diploma (06/2009)
Alternative civilian service: St. Josefs-Hospital Wiesbaden
Employee: St. Josefs-Hospital Wiesbaden.

Studies

01/10/2009-30/09/2011
01/09/2011
17/02/2014-24/06/2014
01/04/2015

21/09/2015
01/10/2015

Two semesters psychology at FU Hagen
Start of architectural studies: RheinMain UoAS
Semester abroad: QUT (Brisbane, QLD, Australia)
Student assistant for parametric design, maintenance of PC-pools,
maintenance of technical equipment in administration, evaluation
B.A. Architecture at RheinMain University of Applied Sciences
Lectureship for parametric design

Work Experience

07/2011-09/2011
08/2013-02/2014
11/2015-01/2016

Internship at Elmar Krebber Architekten
Cooperation with BLOCK 3
Internship at Willen Associates

Computer Literacy

Rhino 3D, Grasshopper 3D, AutoCAD, Photoshop,
Illustrator, InDesign, Word, Excel, Java, Arduino, Processing etc.