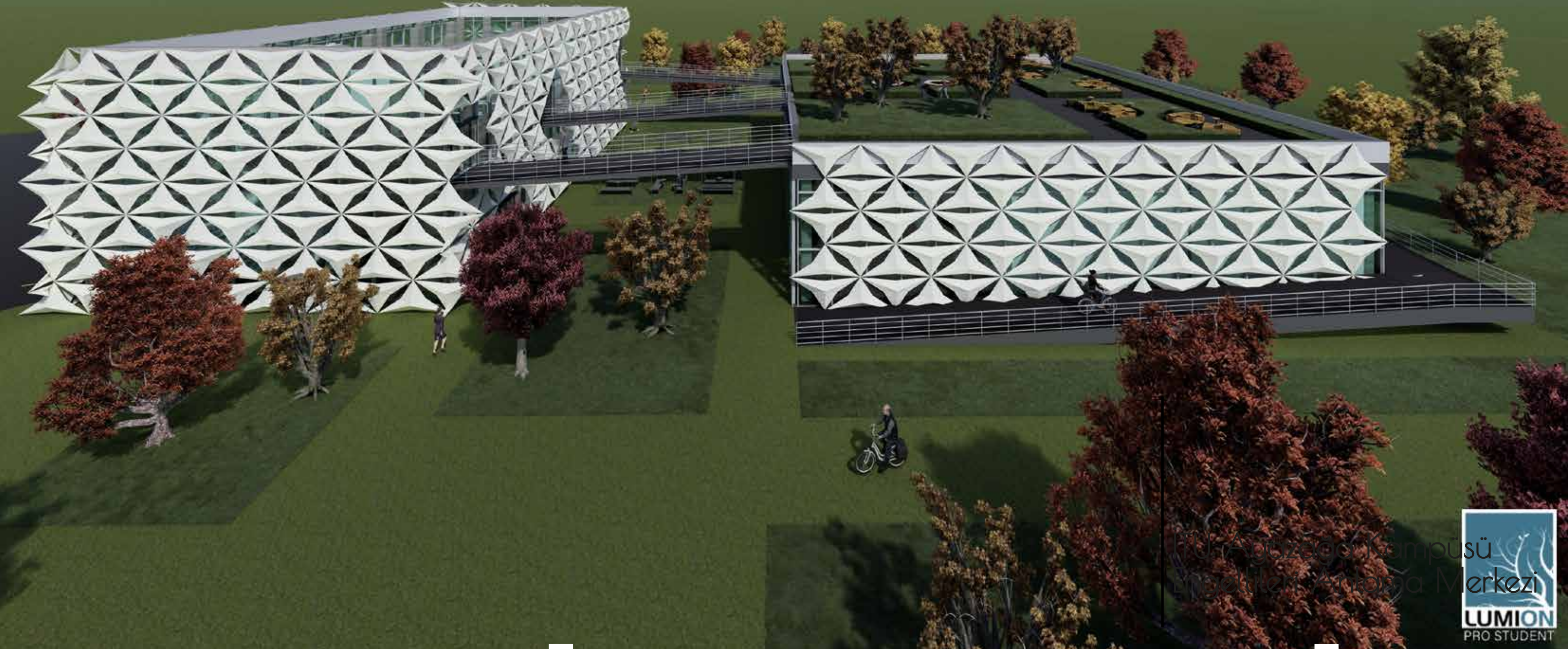


Onur Korkmaz | Buket Yürekli | Simay Cavdar | Dinç Doğruseven | Habibe Şenkal | Akif Çelik

dialogue.rvt





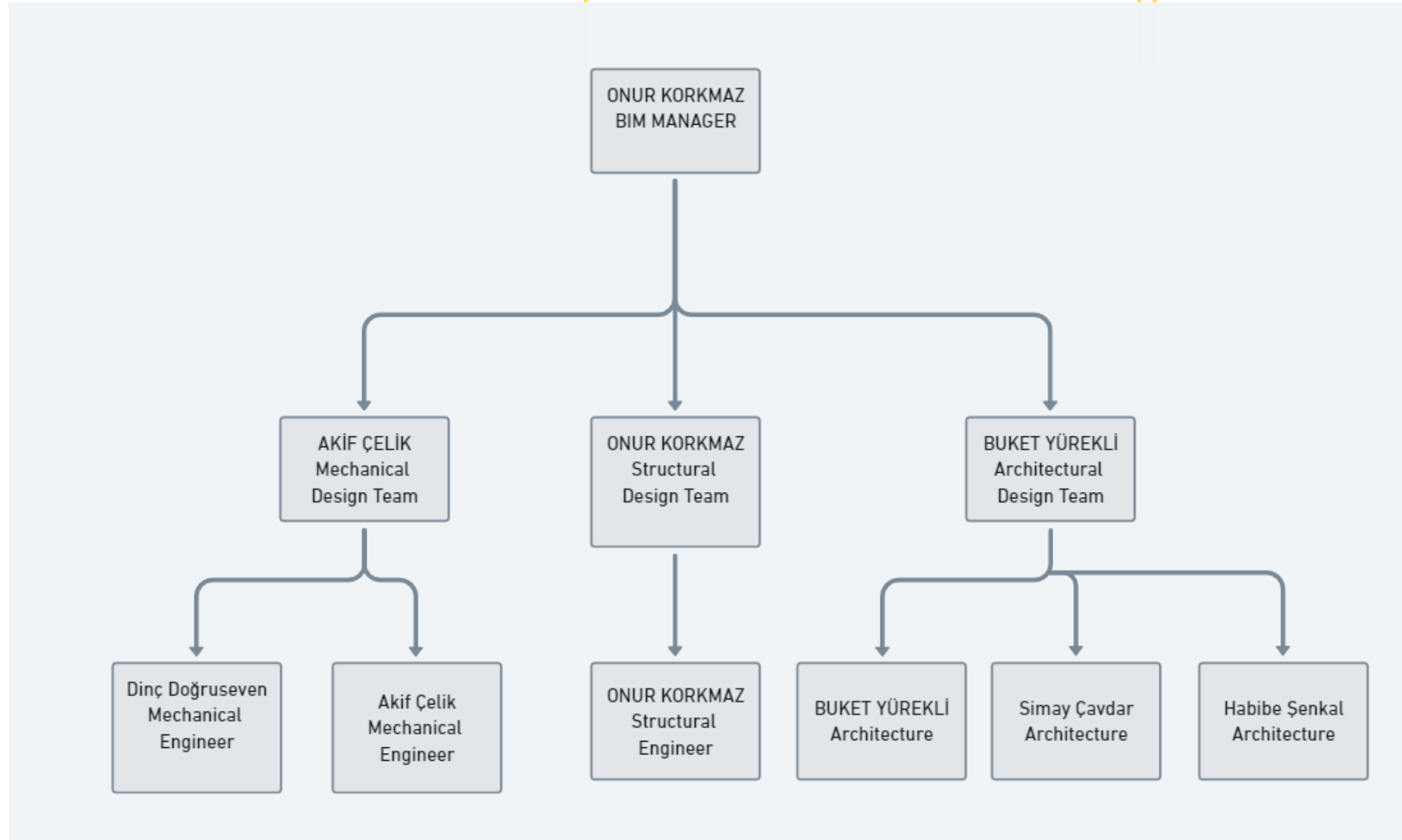
- 1 Organizasyon Şeması
- 2 BIM Uygulama Planı
- 3 Çalışma Koordinasyonu
- 4 Yarışma İş Programı
- 5 Kullandığımız Yazılımlar
- 6 Mimari Çalışma Prensipleri

- 7 Çakışmalar
- 8 Planlar
- 9 Kesitler
- 10 Yapısal Tasarım
- 11 Mekanik Tasarım
- 12 Sistem Fonksiyon Şemaları

- 13 Render
- 14 4D Simülasyon
- 15 Insight Analizi
- 16 Sürdürülebilirlik
- 17 Referanslar

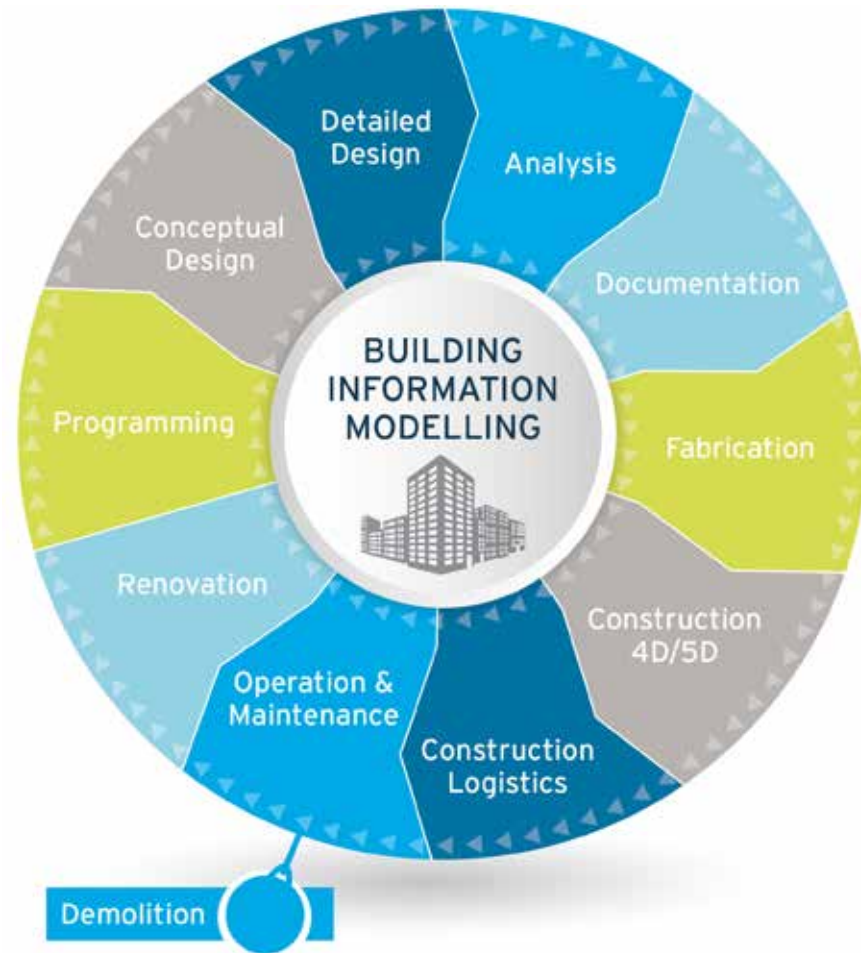
# Organizasyon Şeması

dialogue.rvt



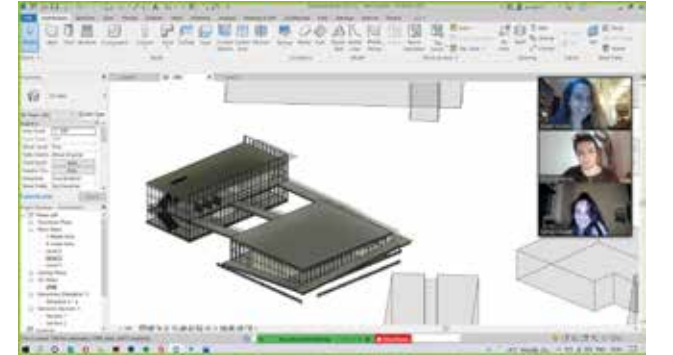
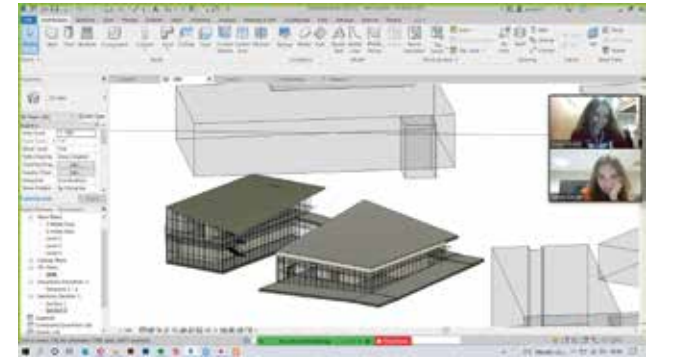
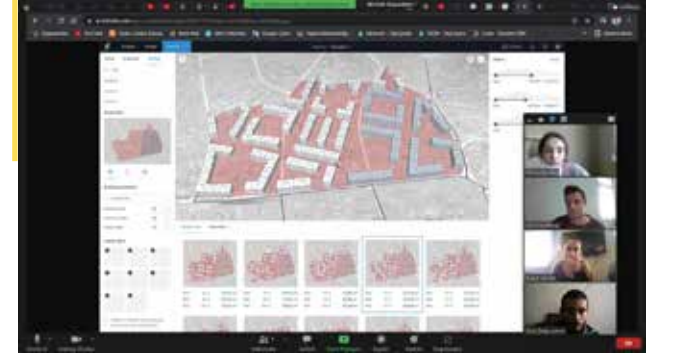
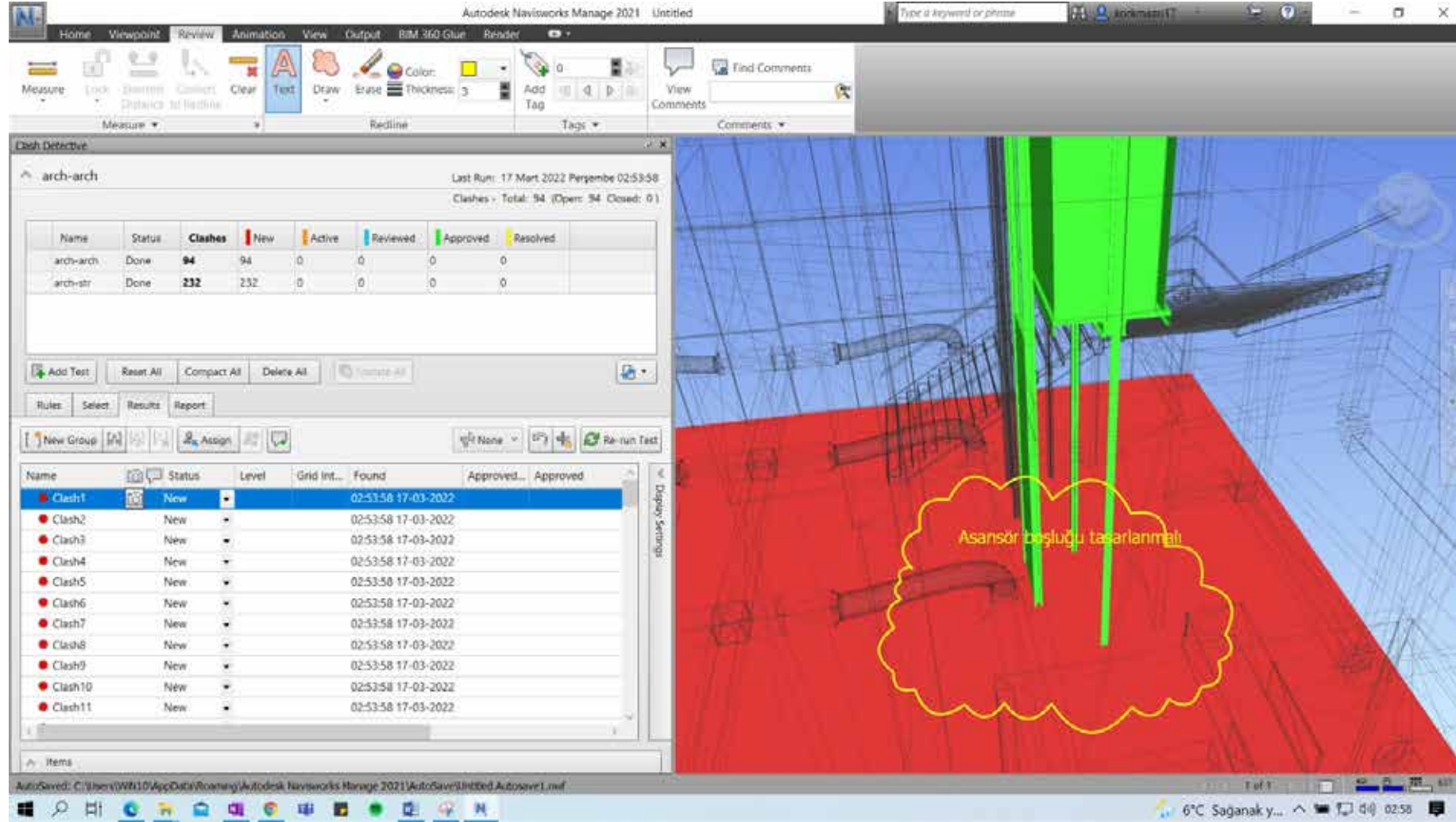
# BIM Uygulama Planı

dialogue.rvt



# Çalışma Koordinasyonu

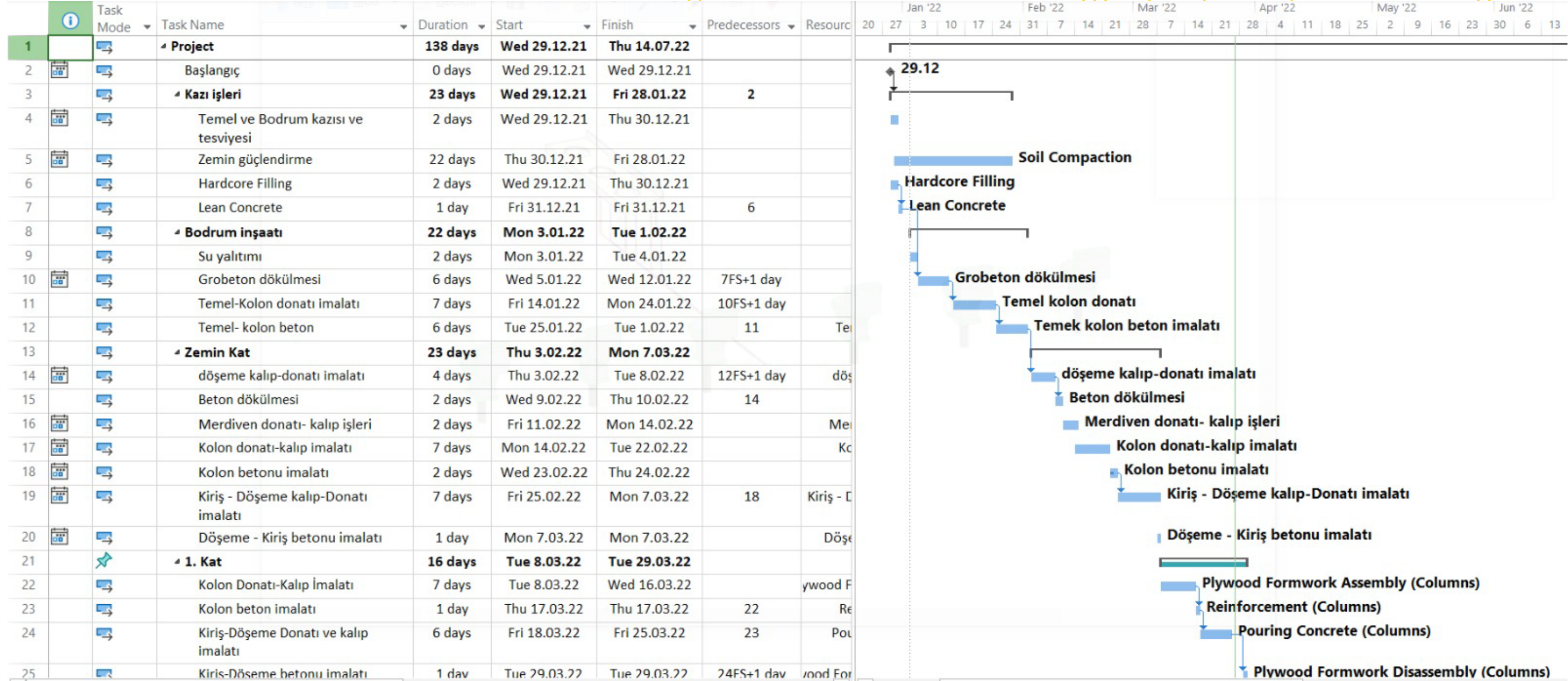
dialogue.rvt





# Yarışma İş Programı

dialogue.rvt



# Kullandığımız Yazılımlar

dialogue.rvt



Rhinoceros

ETABS®



tasarım aşaması



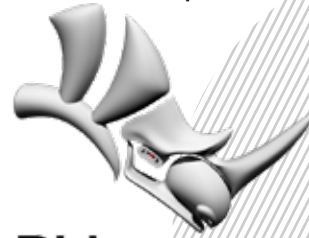
planlama aşaması



generative design aşaması



parametrik tasarım aşaması



Rhinoceros



çakışma aşaması

sunum/rapor  
aşaması

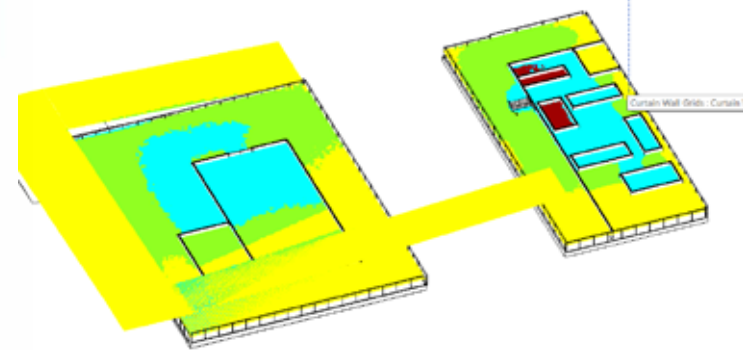
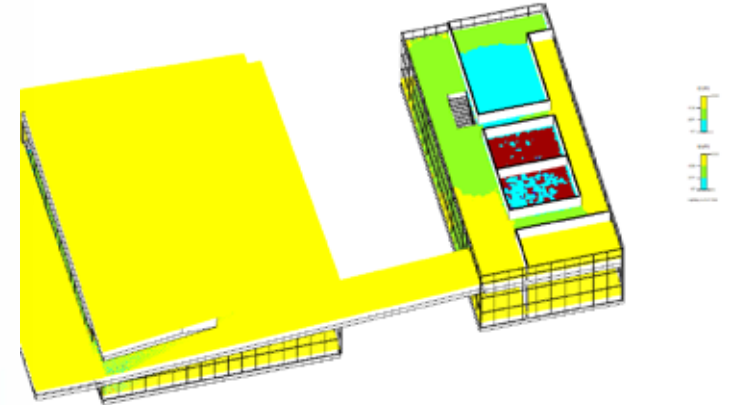
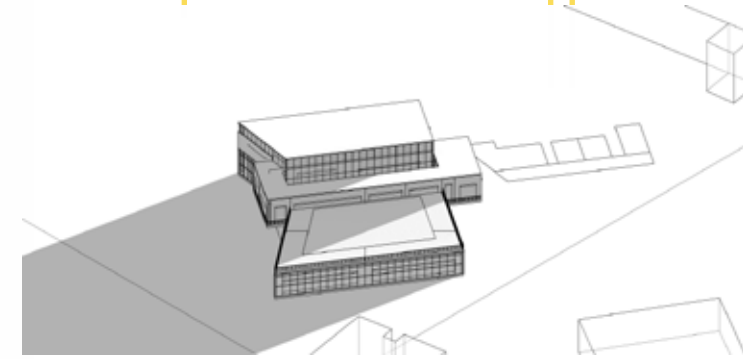
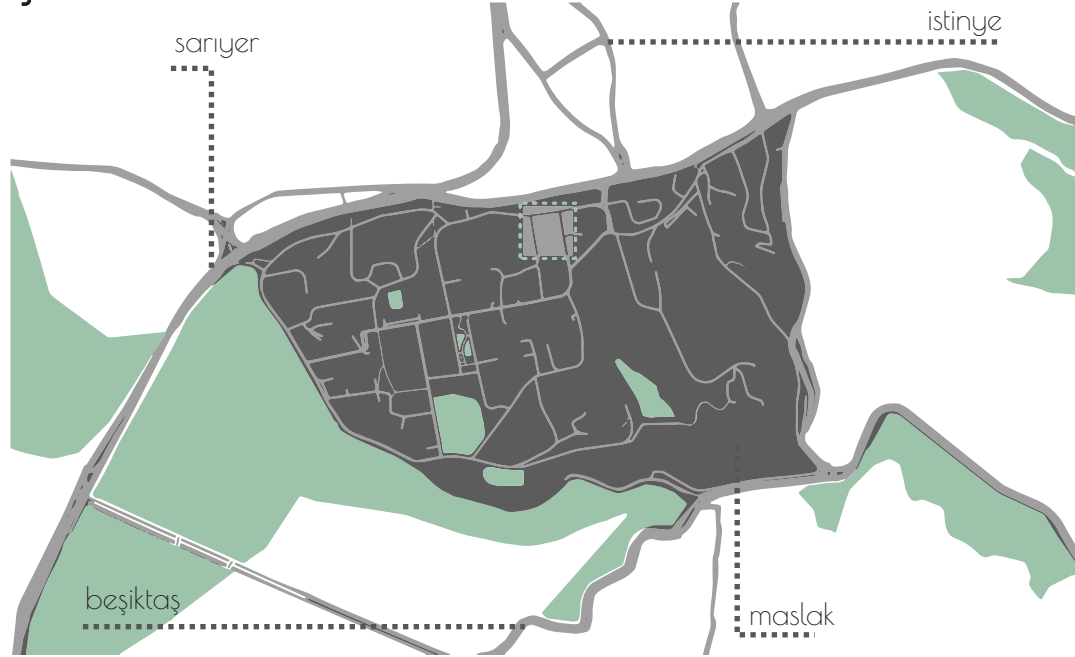




# Mimari Çalışma Prensipleri

## Çevre Analizleri

dialogue.rvt

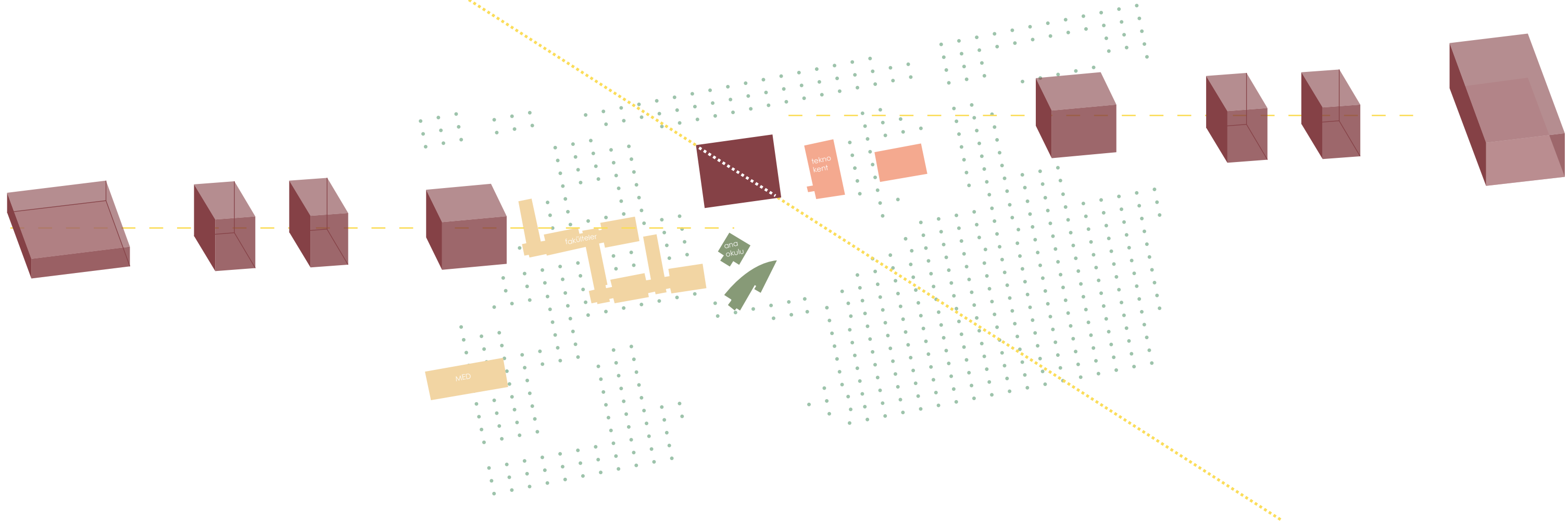




# Mimari Çalışma Prensipleri

Kütle Tasarım Kararları

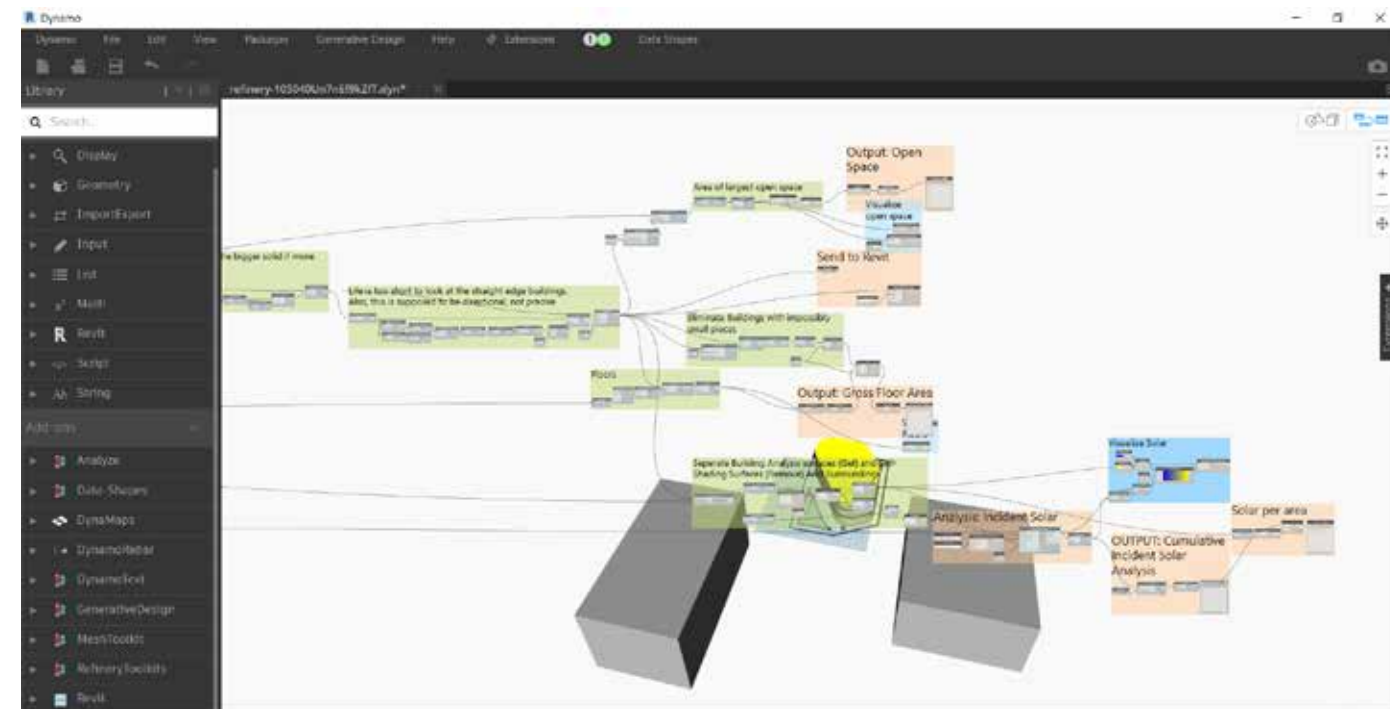
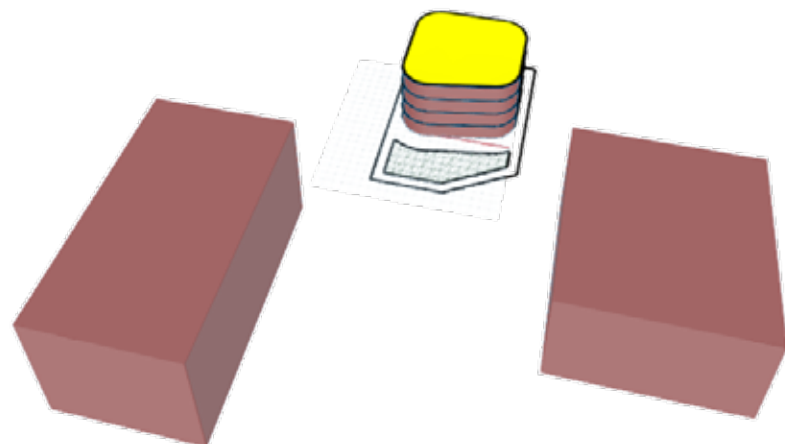
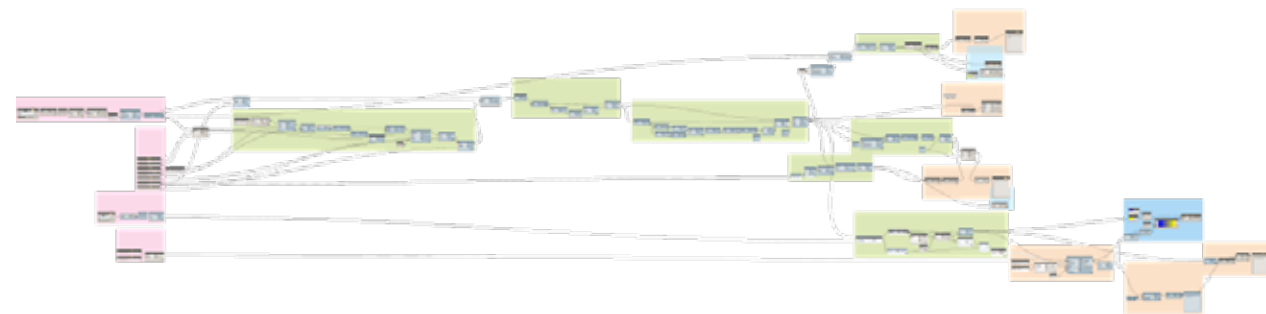
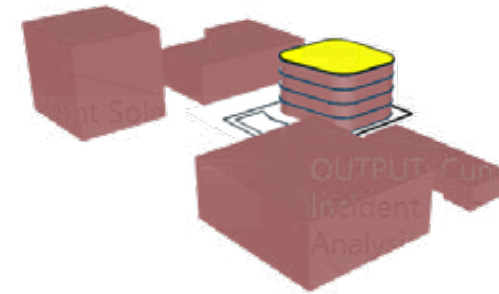
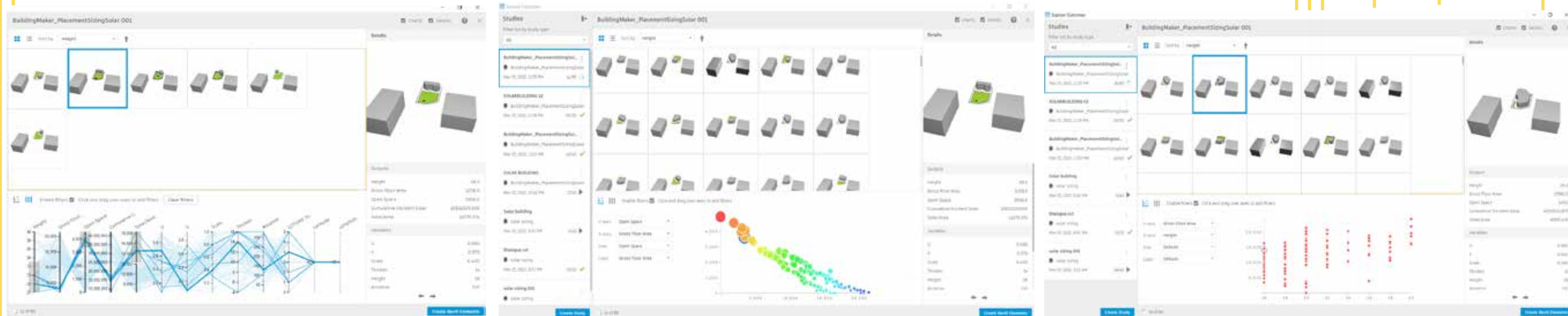
dialogue.rvt



# Mimari Çalışma Prensipleri

## Generative Tasarım

dialogue.rvt

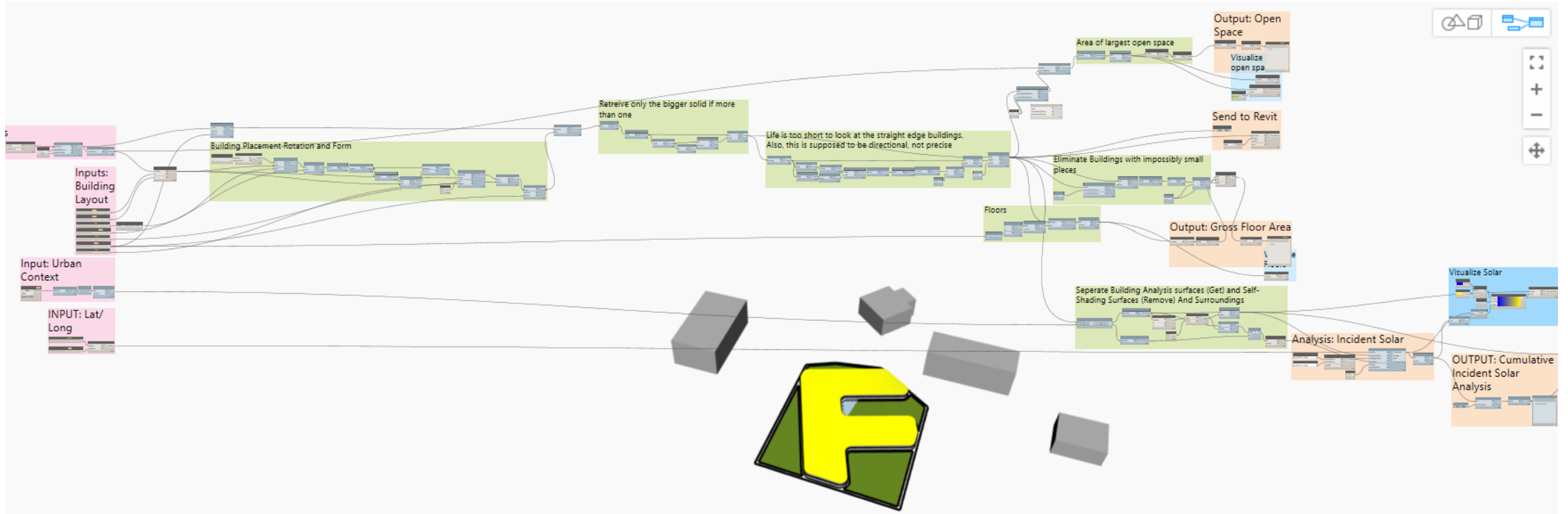
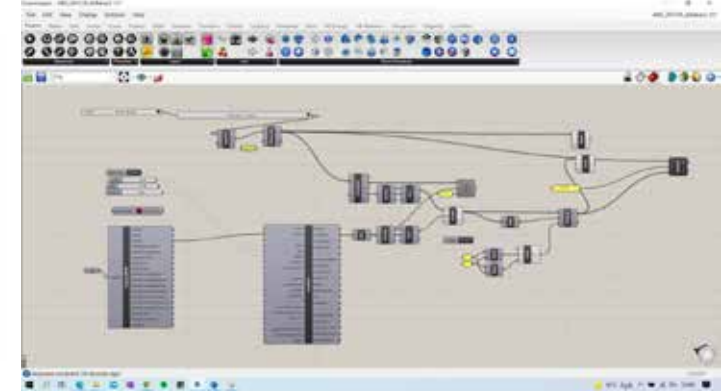




# Mimari Çalışma Prensipleri

Generative Tasarım

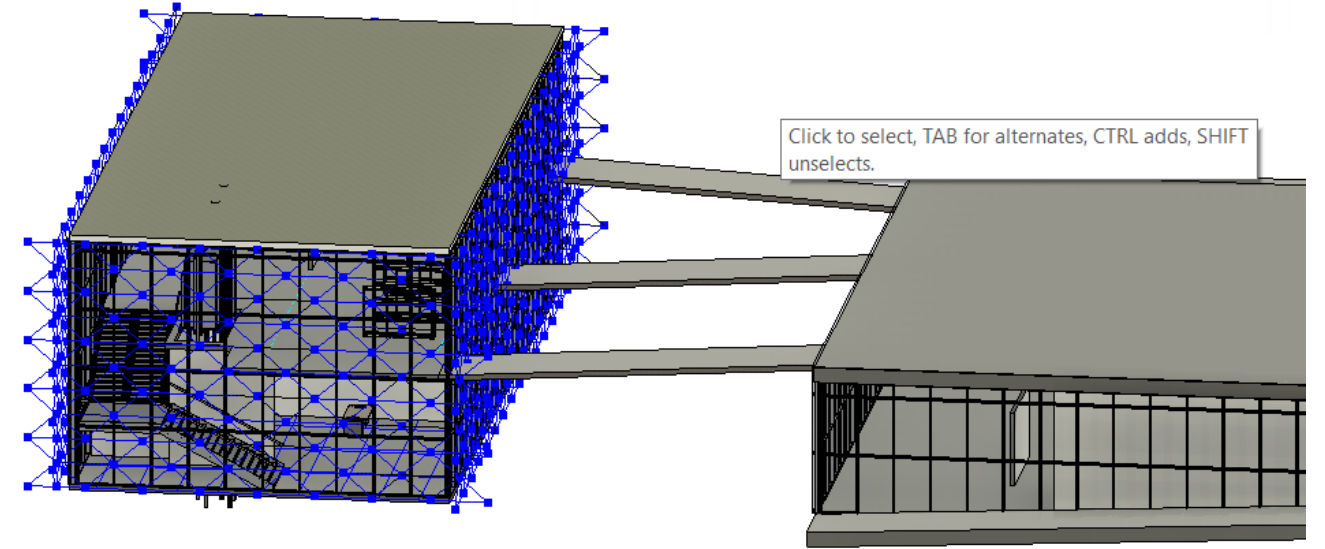
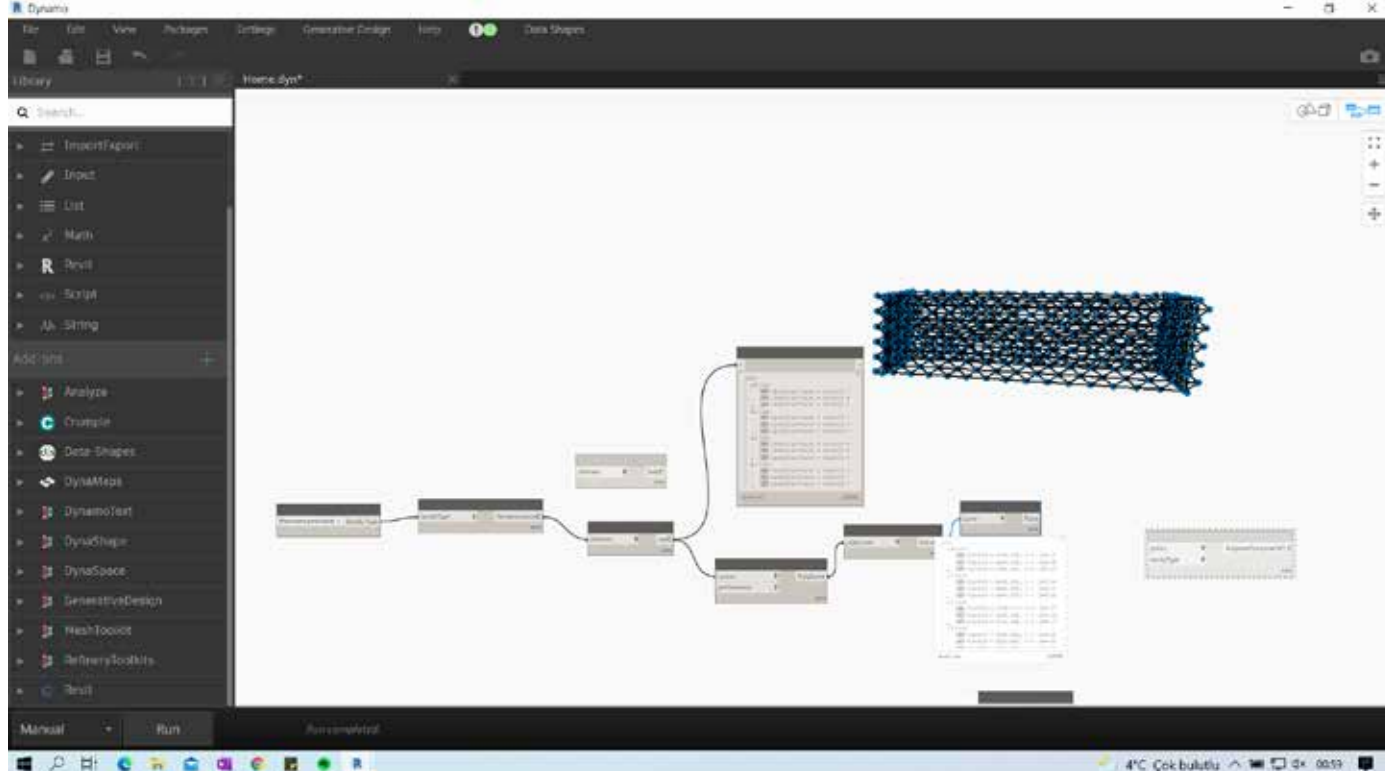
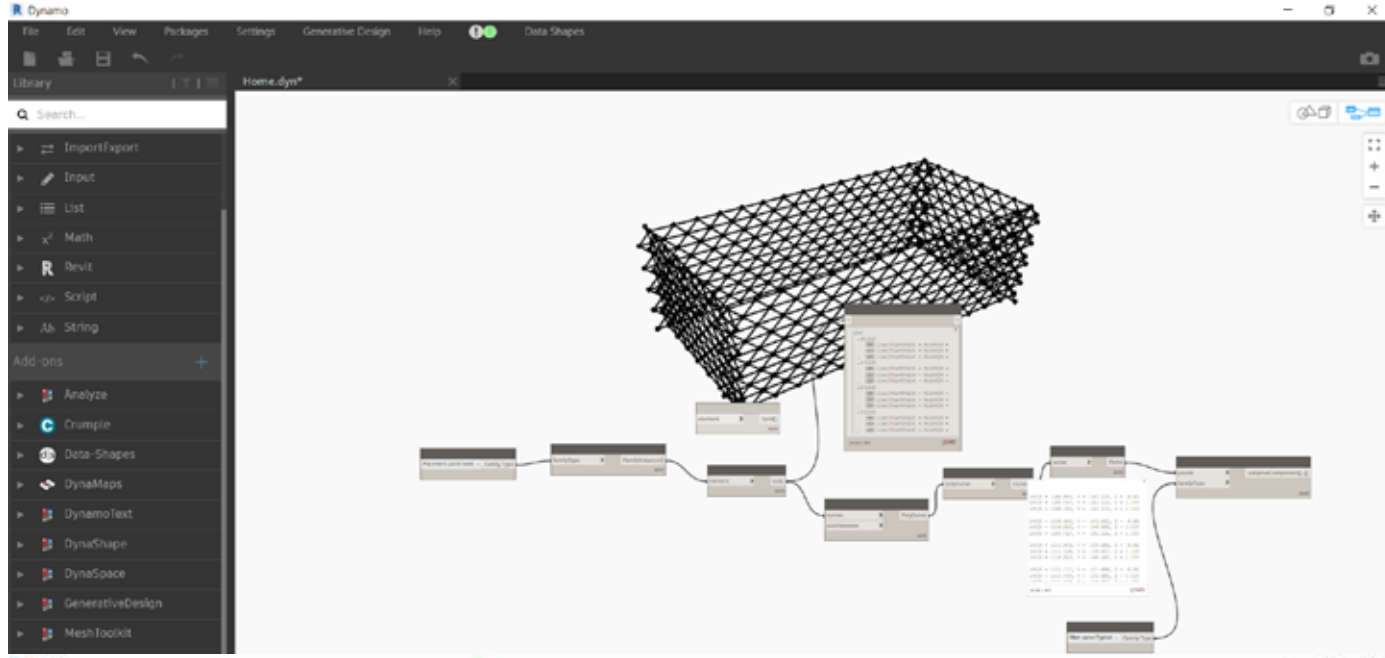
dialogue.rvt



# Mimari Çalışma Prensipleri

## Parametrik Tasarım

dialogue.rvt

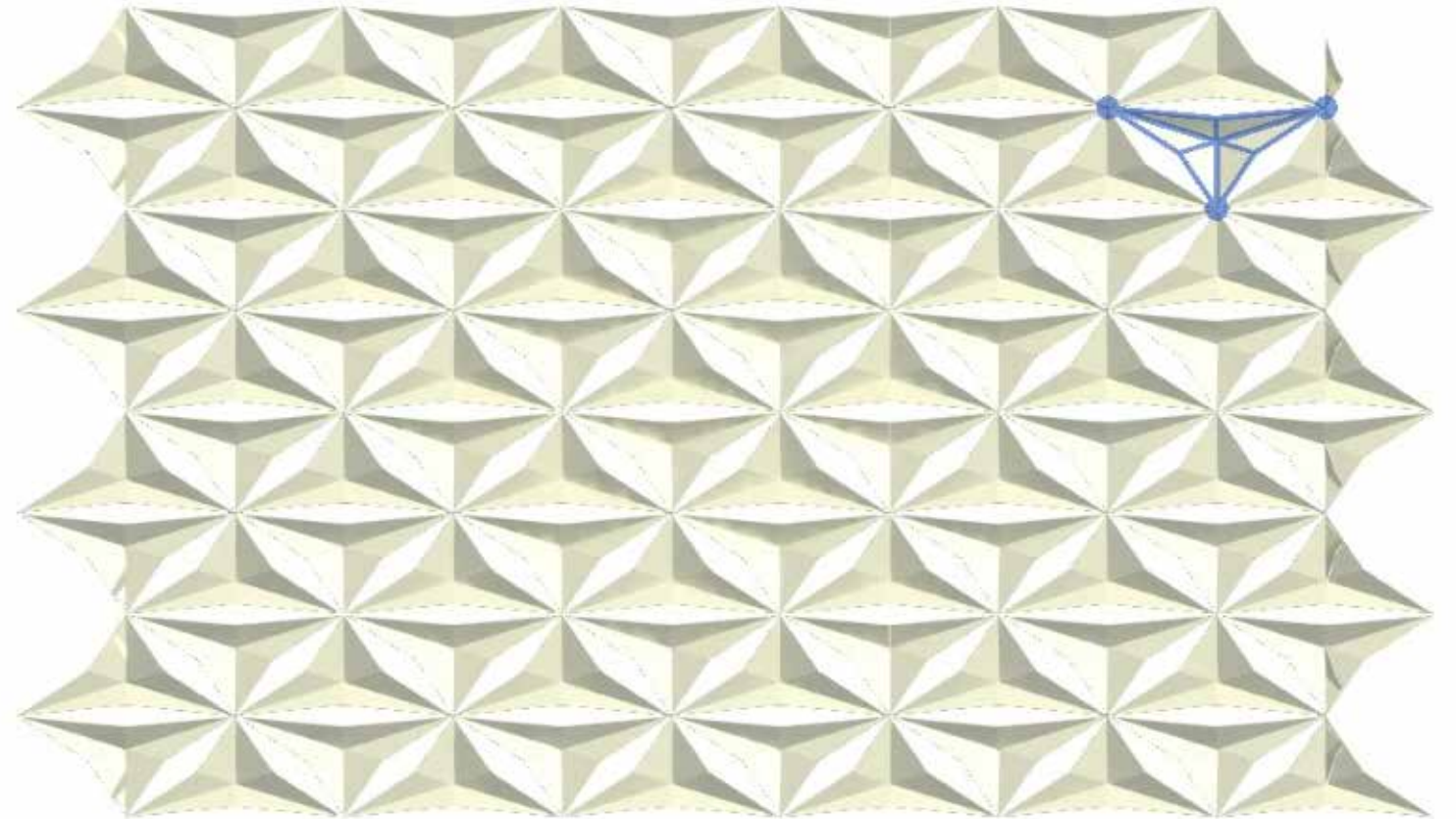




# Mimari Çalışma Prensibi

Parametrik Tasarım

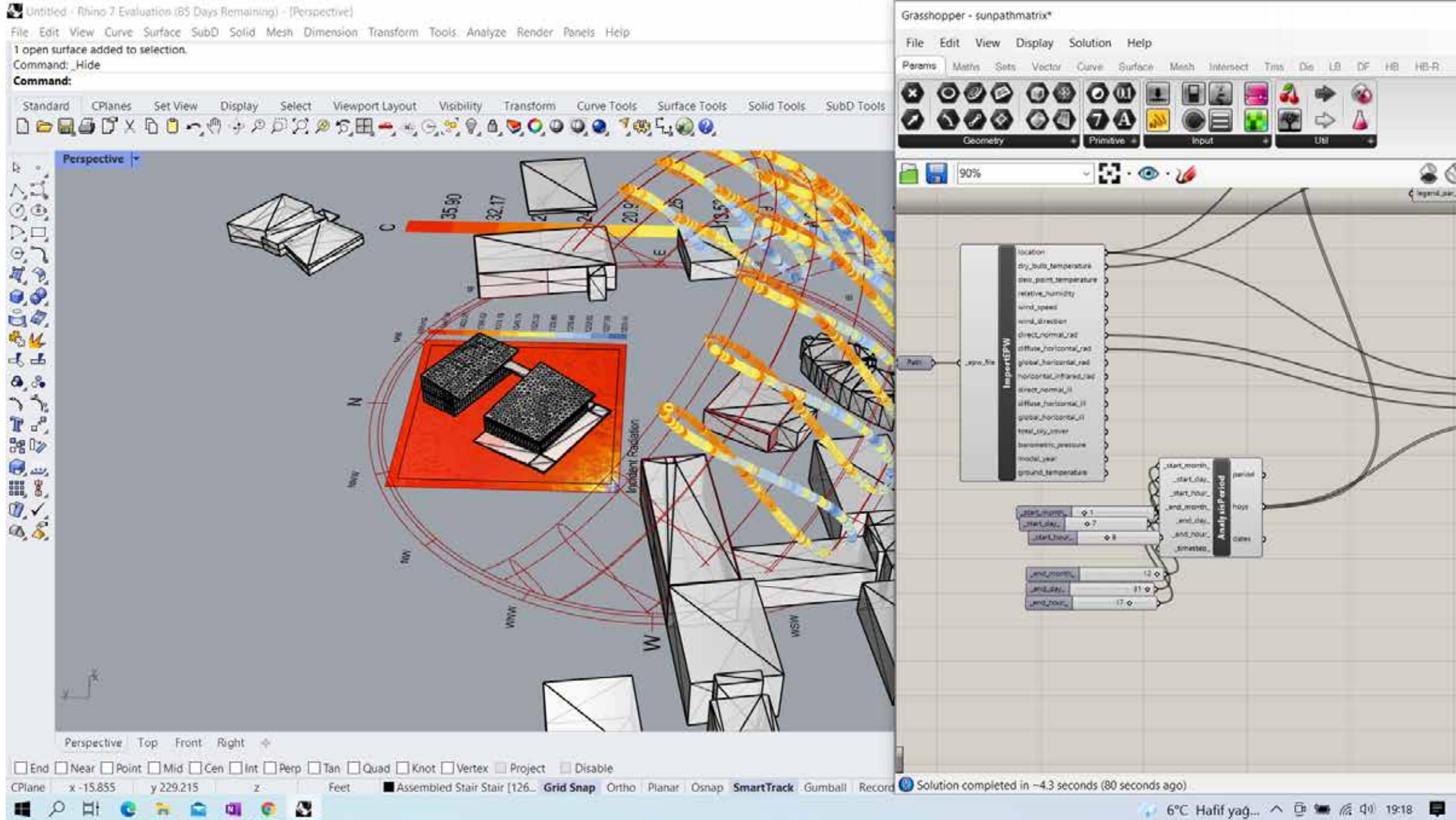
dialogue.rvt



# Mimari Çalışma Prensipleri

## Veri Odaklı Tasarım

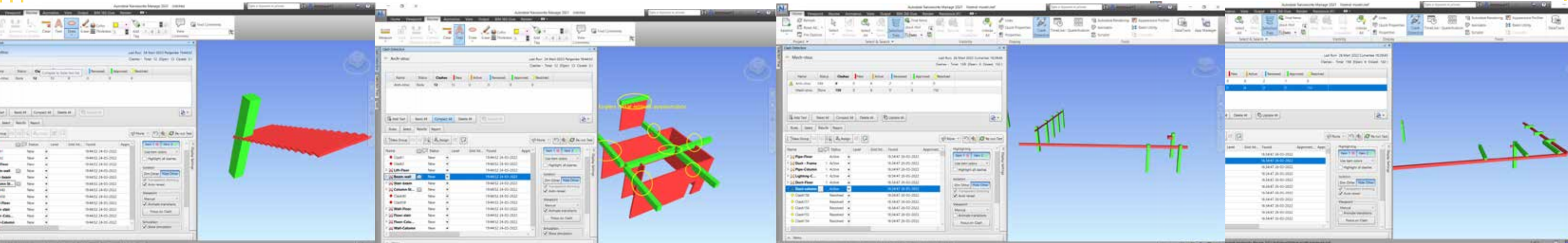
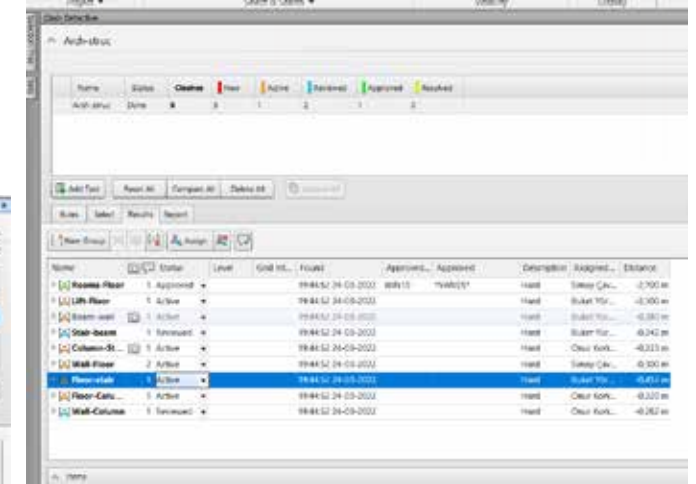
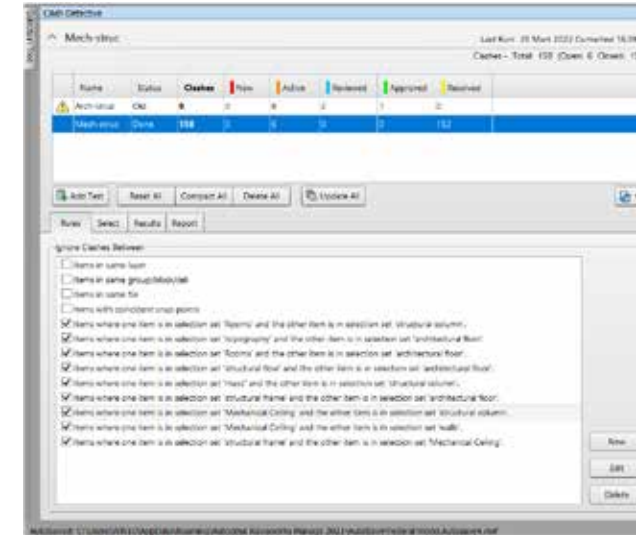
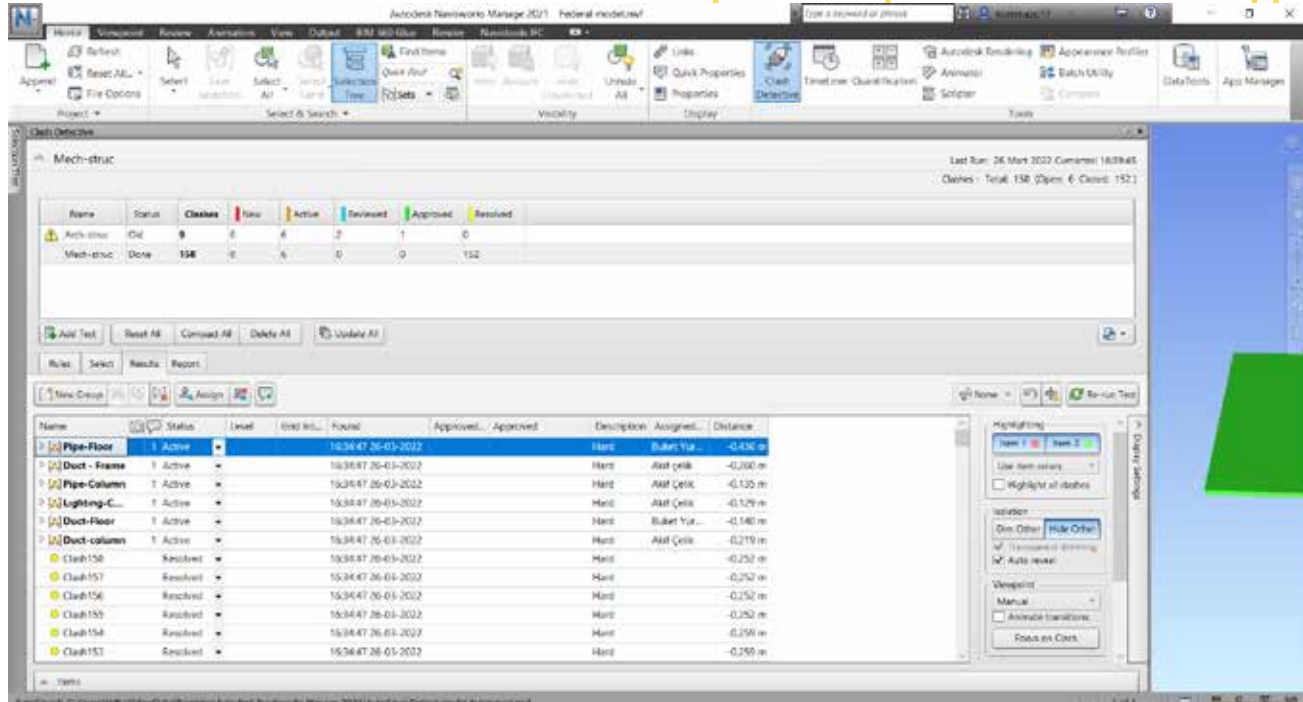
dialogue.rvt

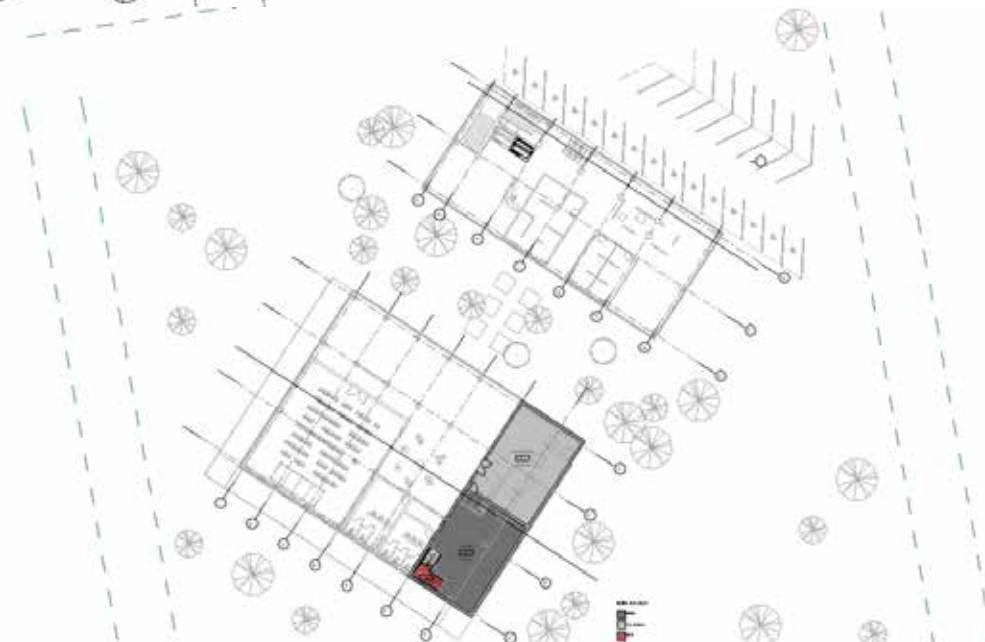
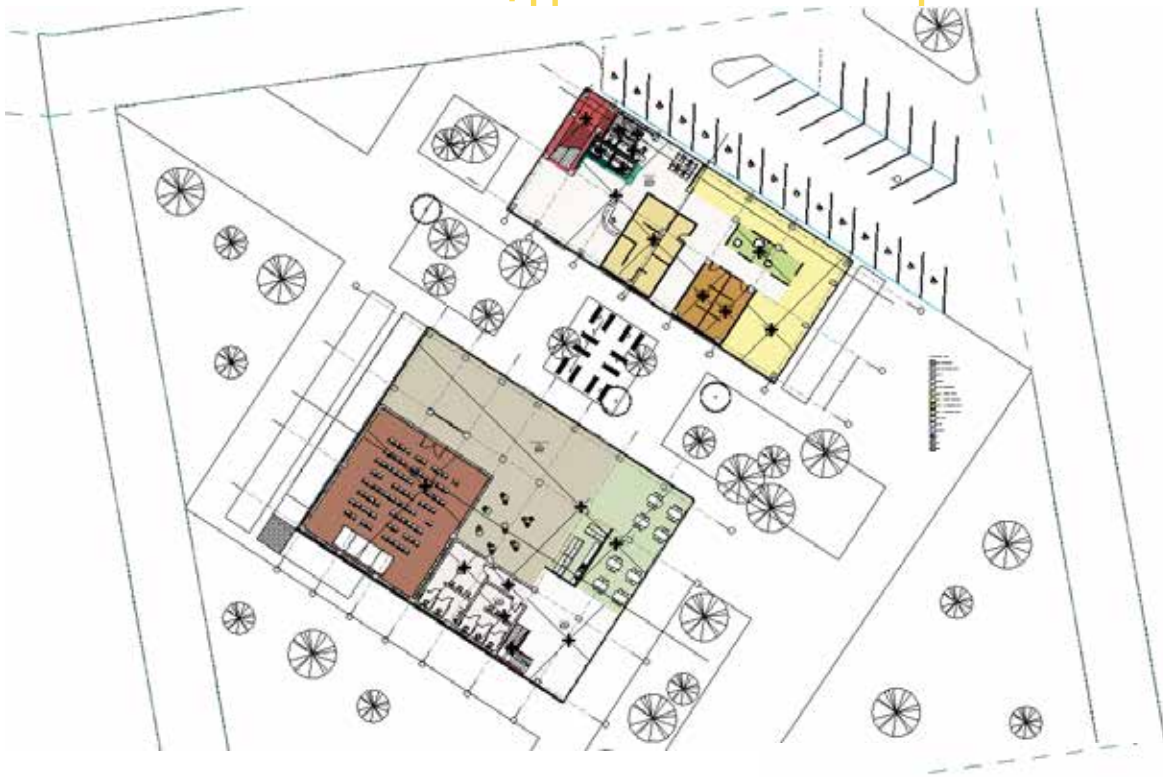




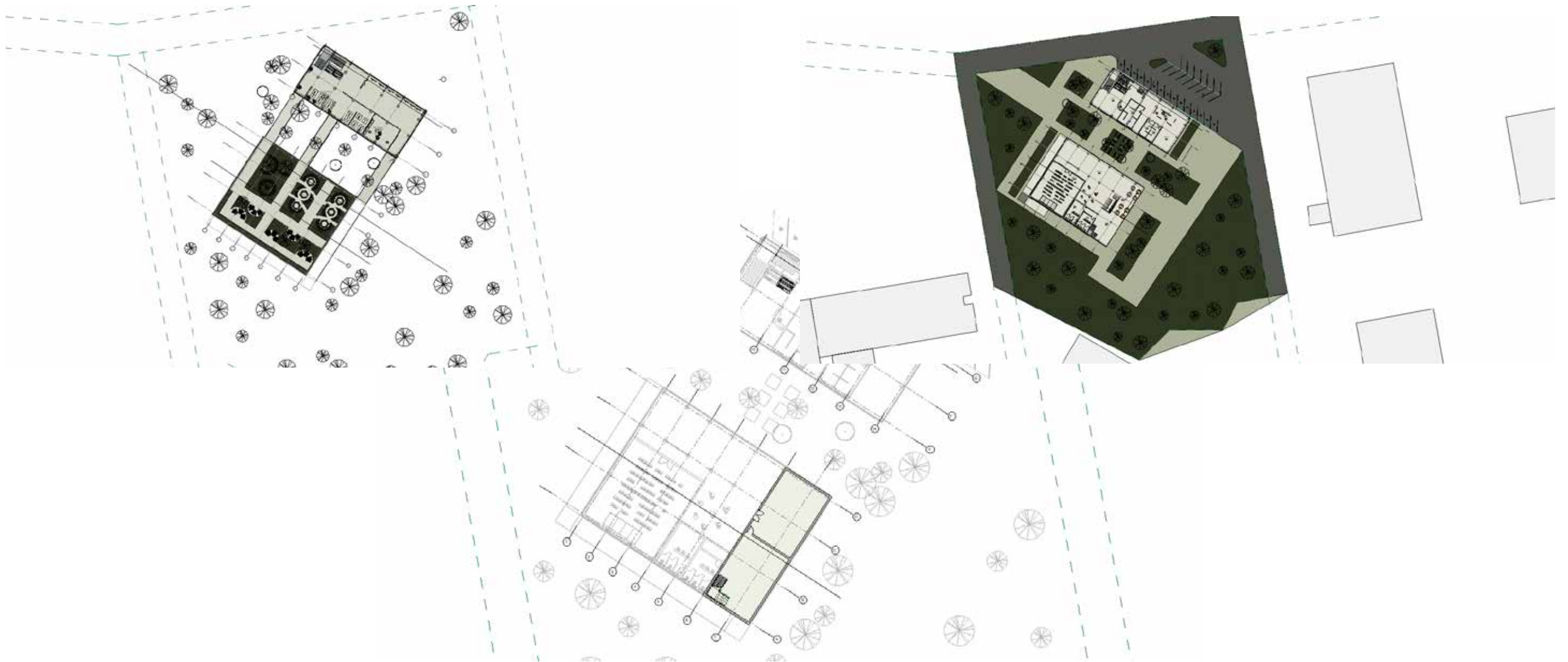
# Çakışmalar

dialogue.rvt



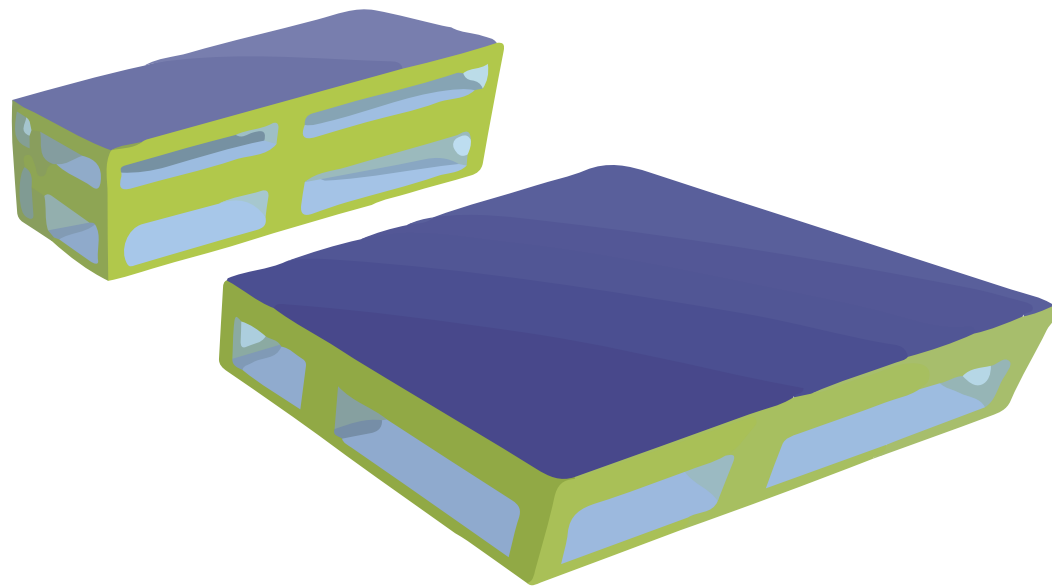






# Insight Analizi

dialogue.rvt



Location Weather and Site

Location Weather Site

Define Location by:  
Internet Mapping Service

Project Address:  
Istanbul, Istanbul, Turkey

Weather Stations:

- 187017 (0.00 kilometres away)
- 1244218 (0.00 kilometres away)
- 186778 (9.01 kilometres away)
- 1244217 (9.01 kilometres away)
- 186777 (12.71 kilometres away)
- 187016 (12.71 kilometres away)
- 1243913 (12.71 kilometres away)
- 1244522 (12.71 kilometres away)

☒ Use Daylight Savings time

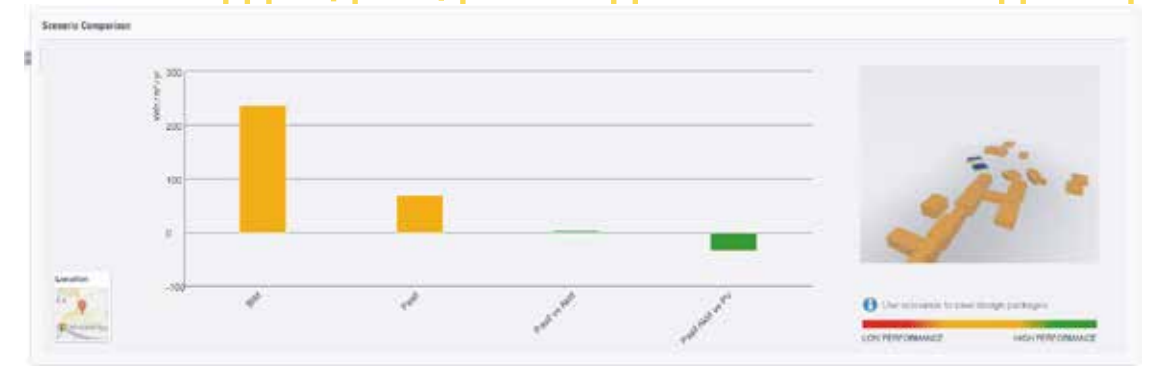
OK Cancel Help

Energy Settings

Parameter	Value
<b>Energy Analytical Model</b>	
Mode	Use Conceptual Masses
Ground Plane	Level 1
Project Phase	New Construction
Analytical Space Resolution	0.4572
Analytical Surface Resolution	0.3048
Perimeter Zone Depth	4.5720
Perimeter Zone Division	<input checked="" type="checkbox"/>
Average Vertical Void Height Threshold	1.8288
Horizontal Void/Chase Area Threshold	0.093 m <sup>2</sup>
<b>Advanced</b>	
Other Options	Edit...

Advanced Energy Settings

Parameter	Value
<b>Detailed Model</b>	
Target Percentage Glazing	40%
Target Sill Height	0.7500
Glazing is Shaded	<input type="checkbox"/>
Shade Depth	0.4572
Target Percentage Skylights	0%
Skylight Width & Depth	0.9144
<b>Building Data</b>	
Building Type	School or University
Building Operating Schedule	24/7 Facility
HVAC System	Central VAV, HW Heat, Chiller 5.96 COP, Boilers
Outdoor Air Information	Edit...
<b>Room/Space Data</b>	
Export Category	Rooms
<b>Material Thermal Properties</b>	



237  
kWh / m<sup>2</sup> / yr

69.5  
kWh / m<sup>2</sup> / yr

4.25  
kWh / m<sup>2</sup> / yr



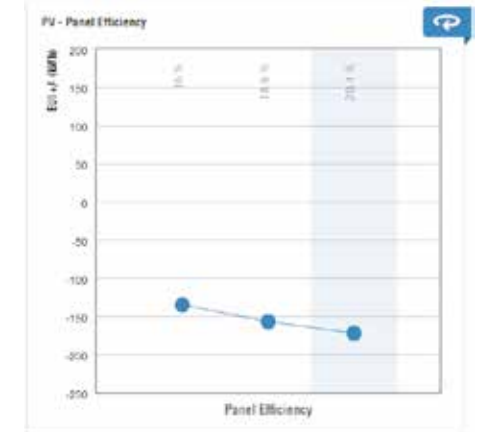
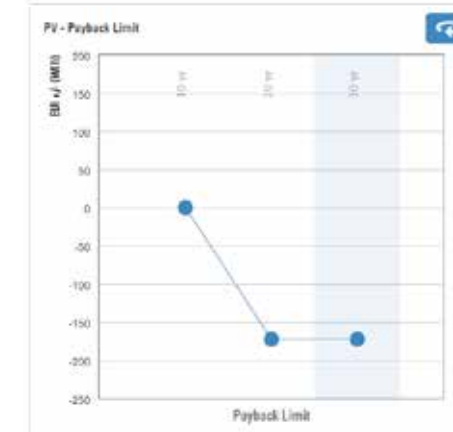
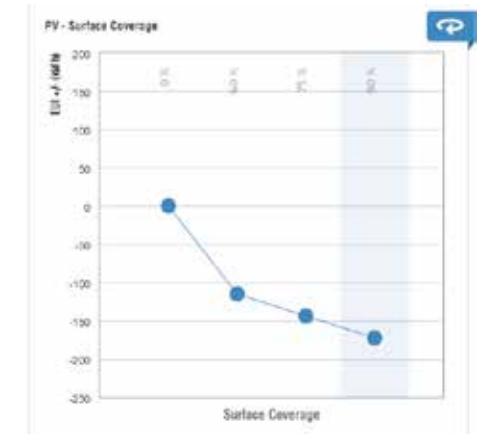
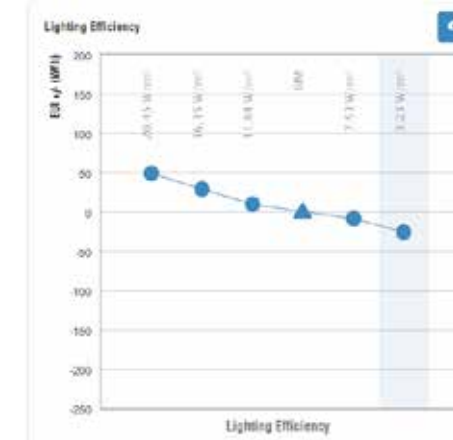
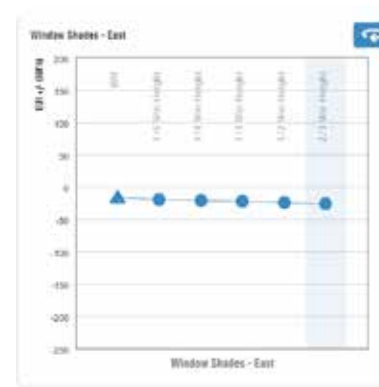
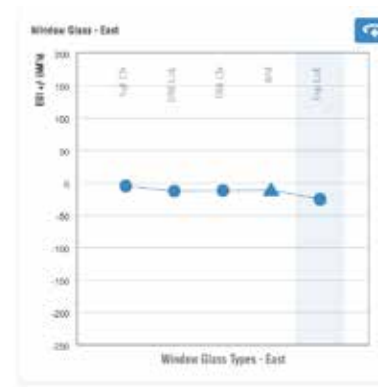
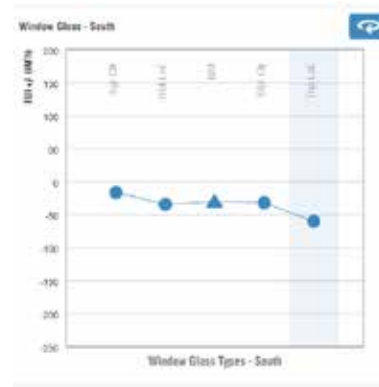
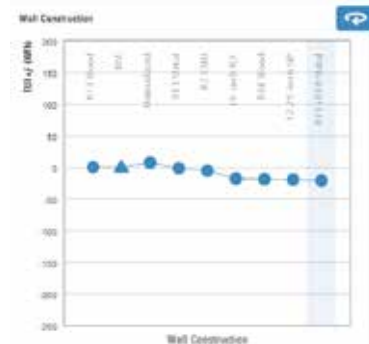
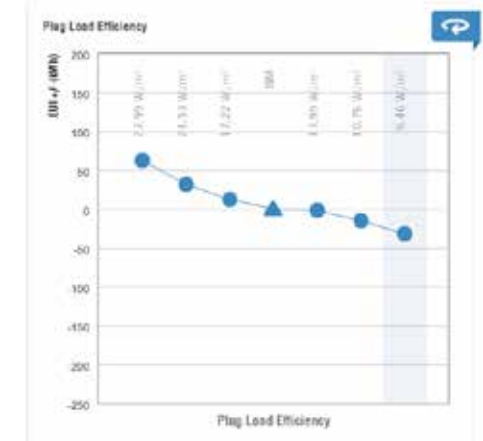
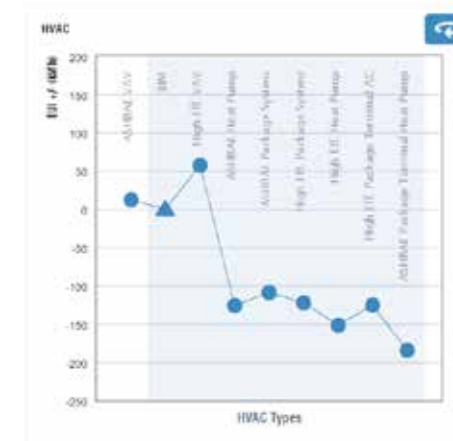
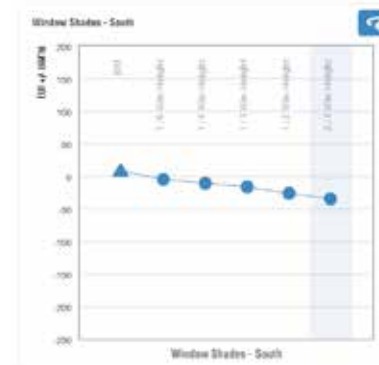
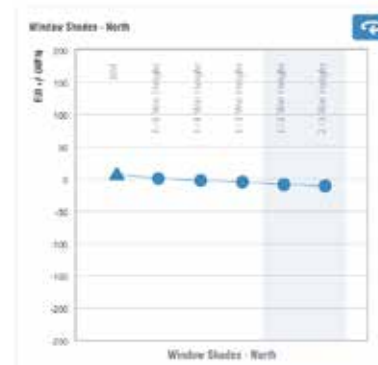
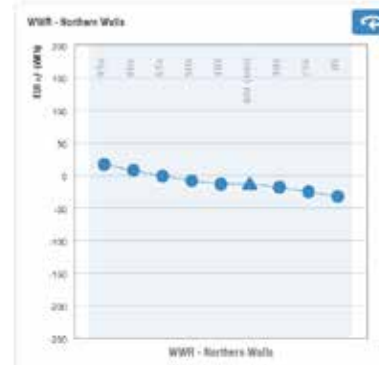
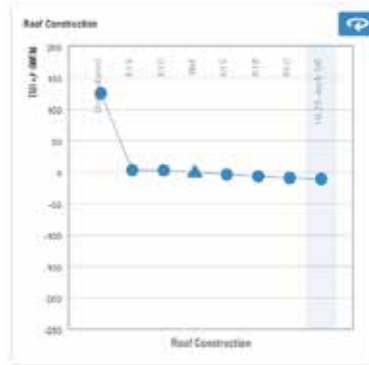


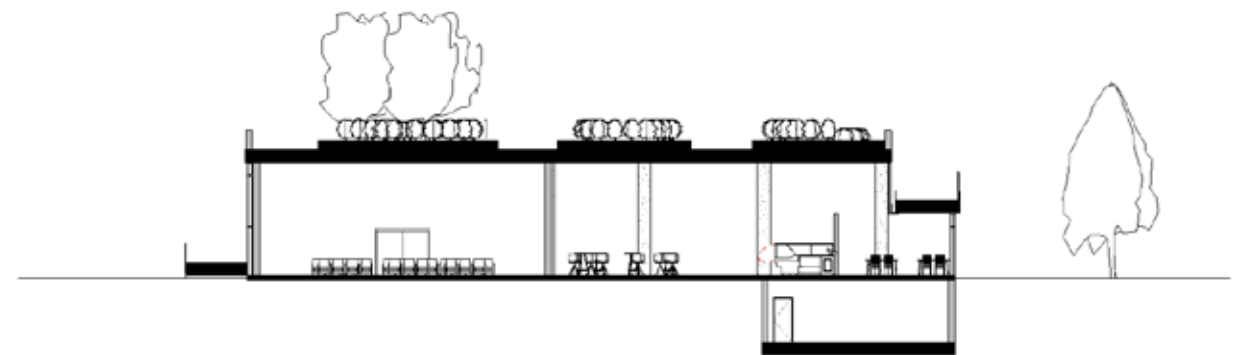
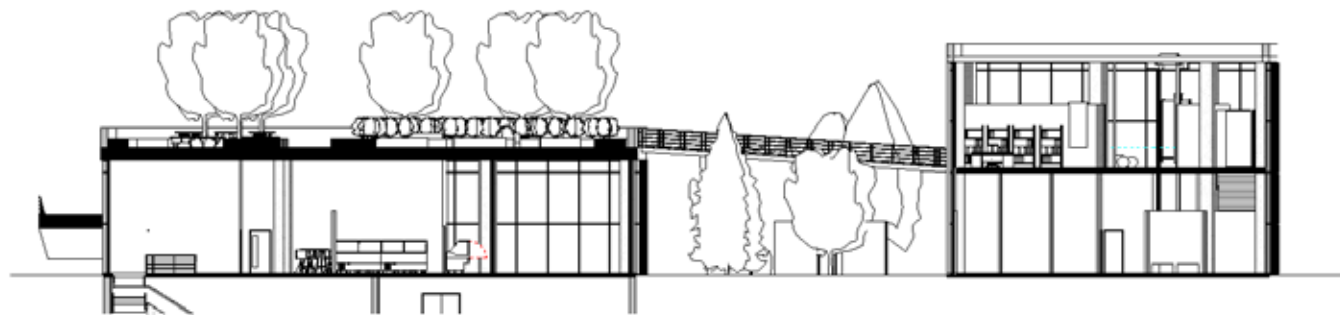
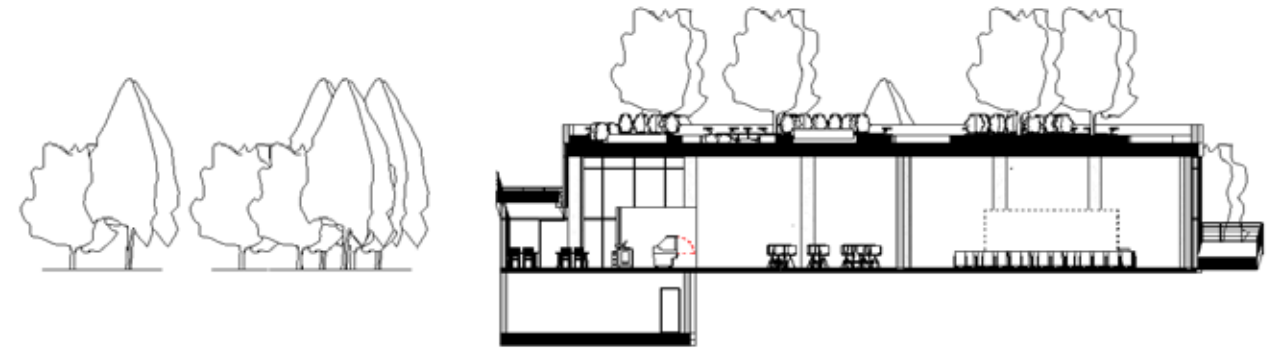
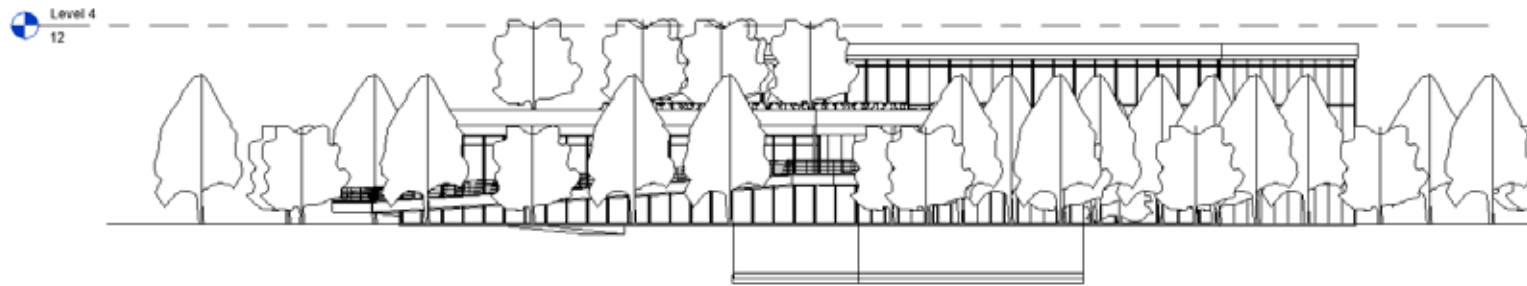
# Insight Analizi

dialogue.rvt

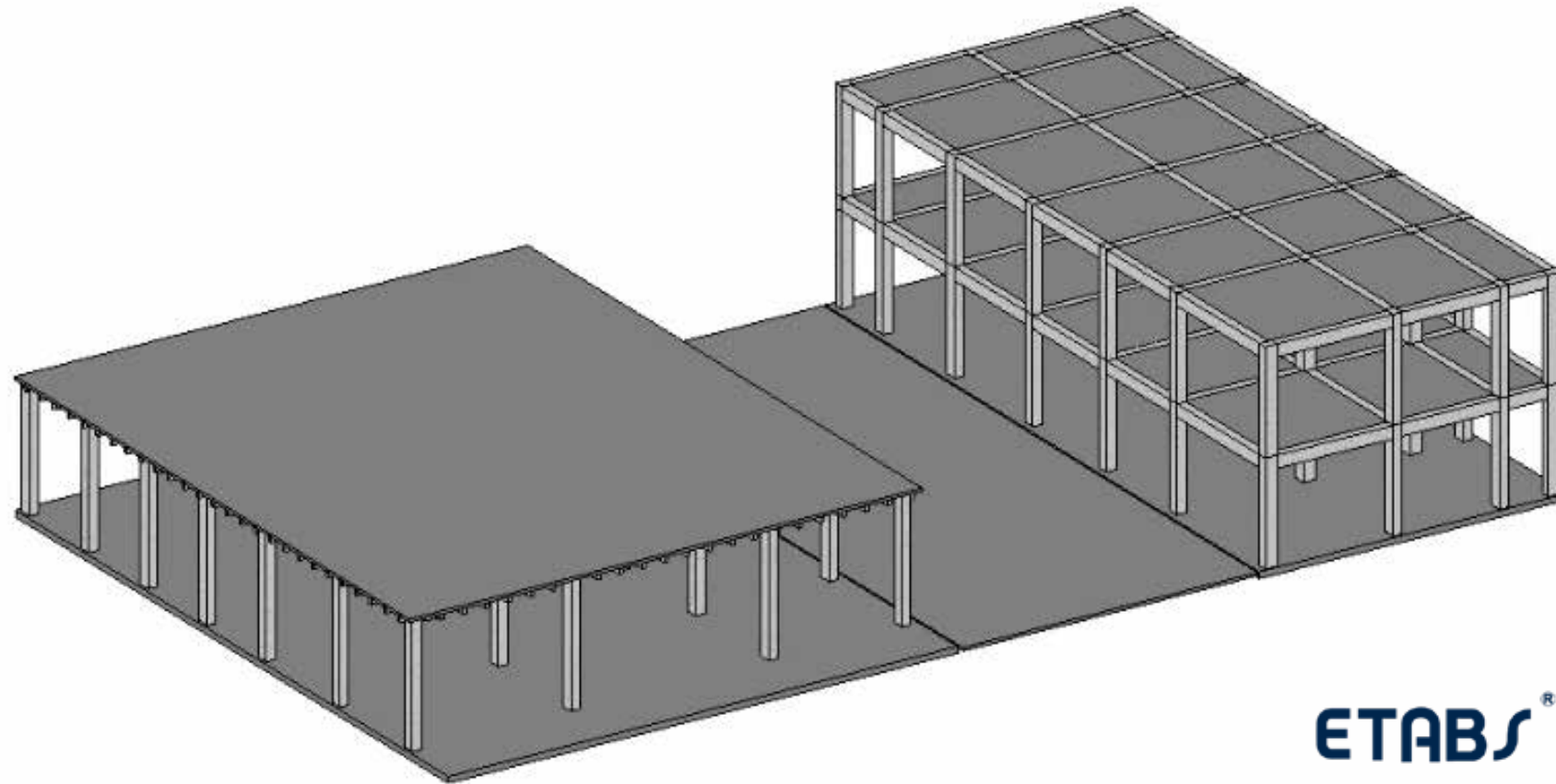
PV

Pasif







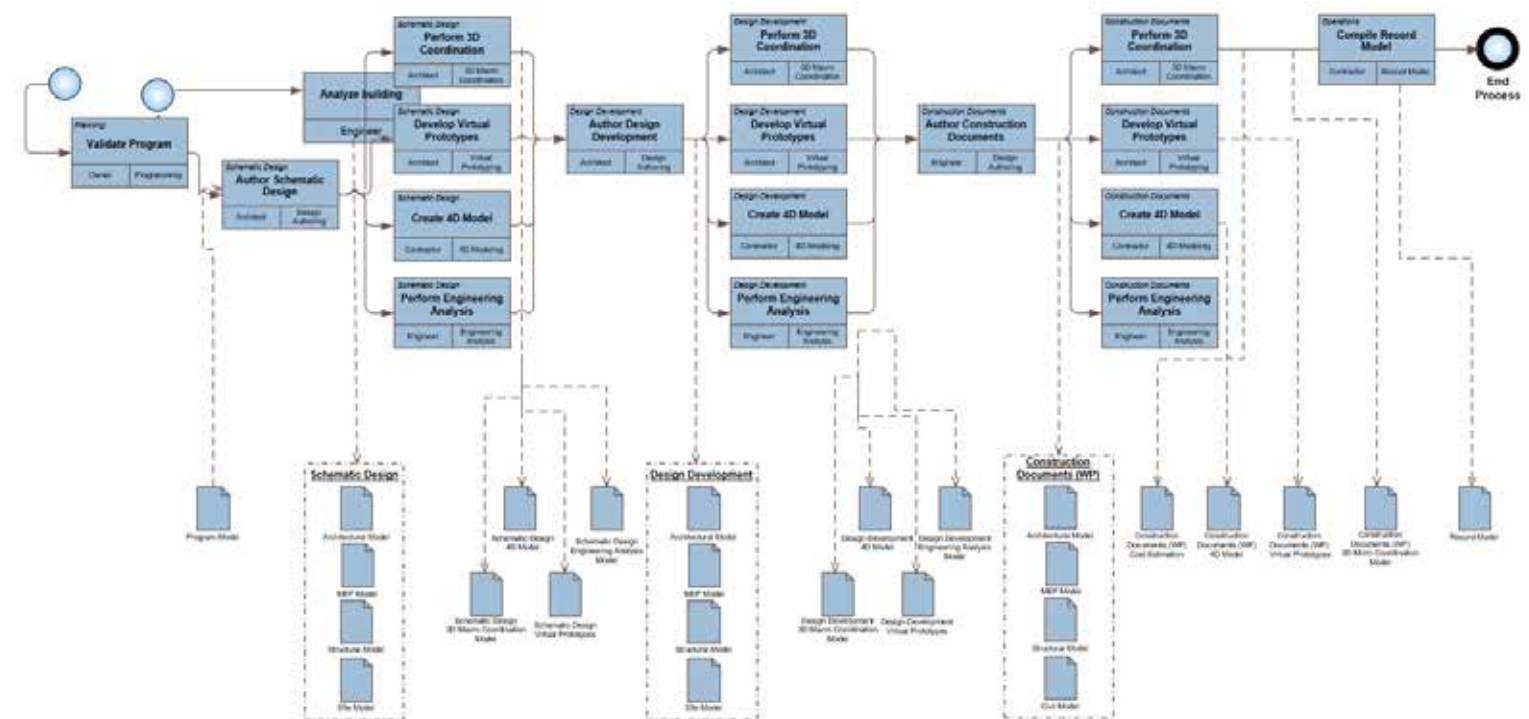


# BIM Uygulama Planı

## LOD Matrisi

dialogue.rvt

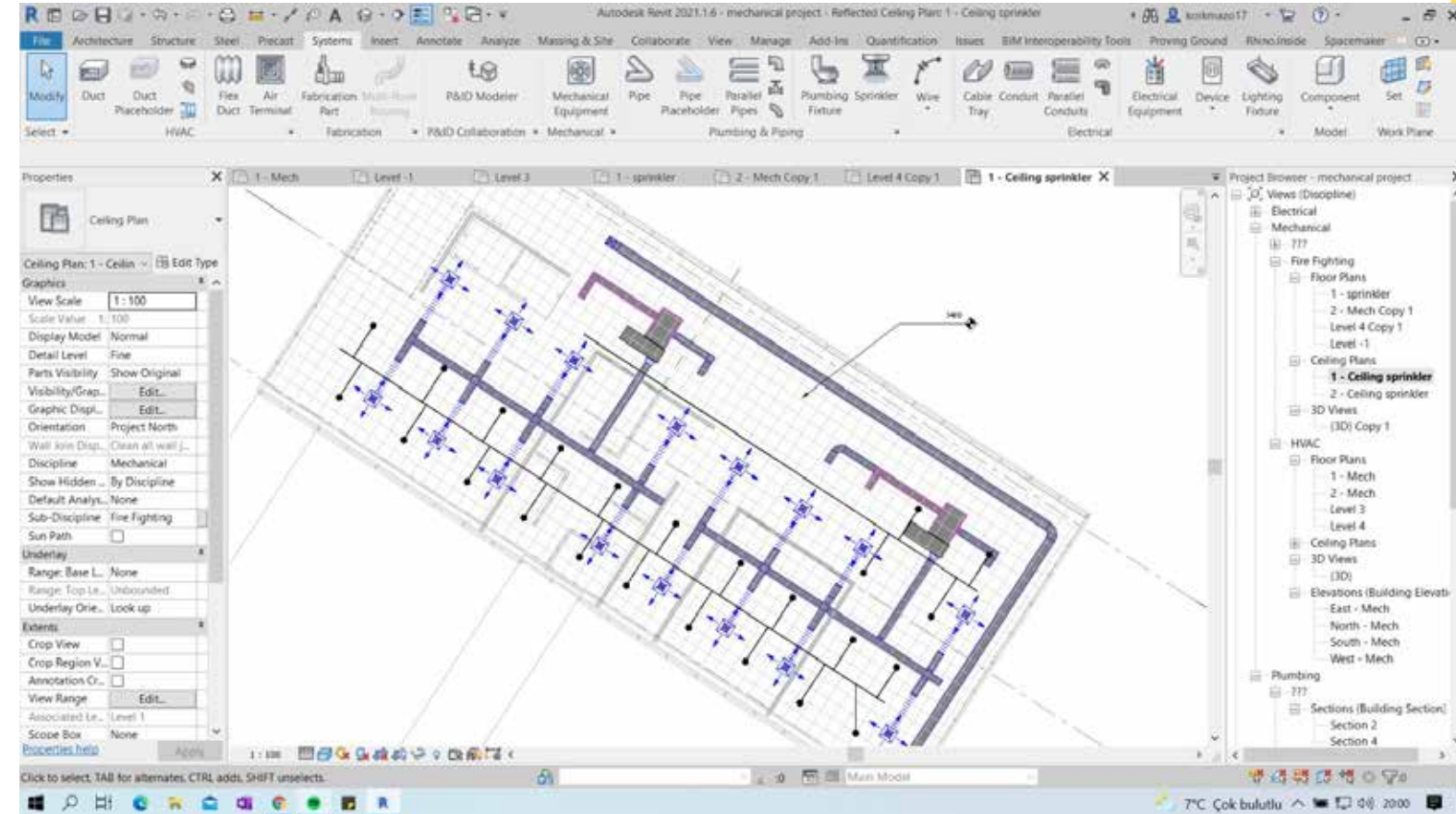
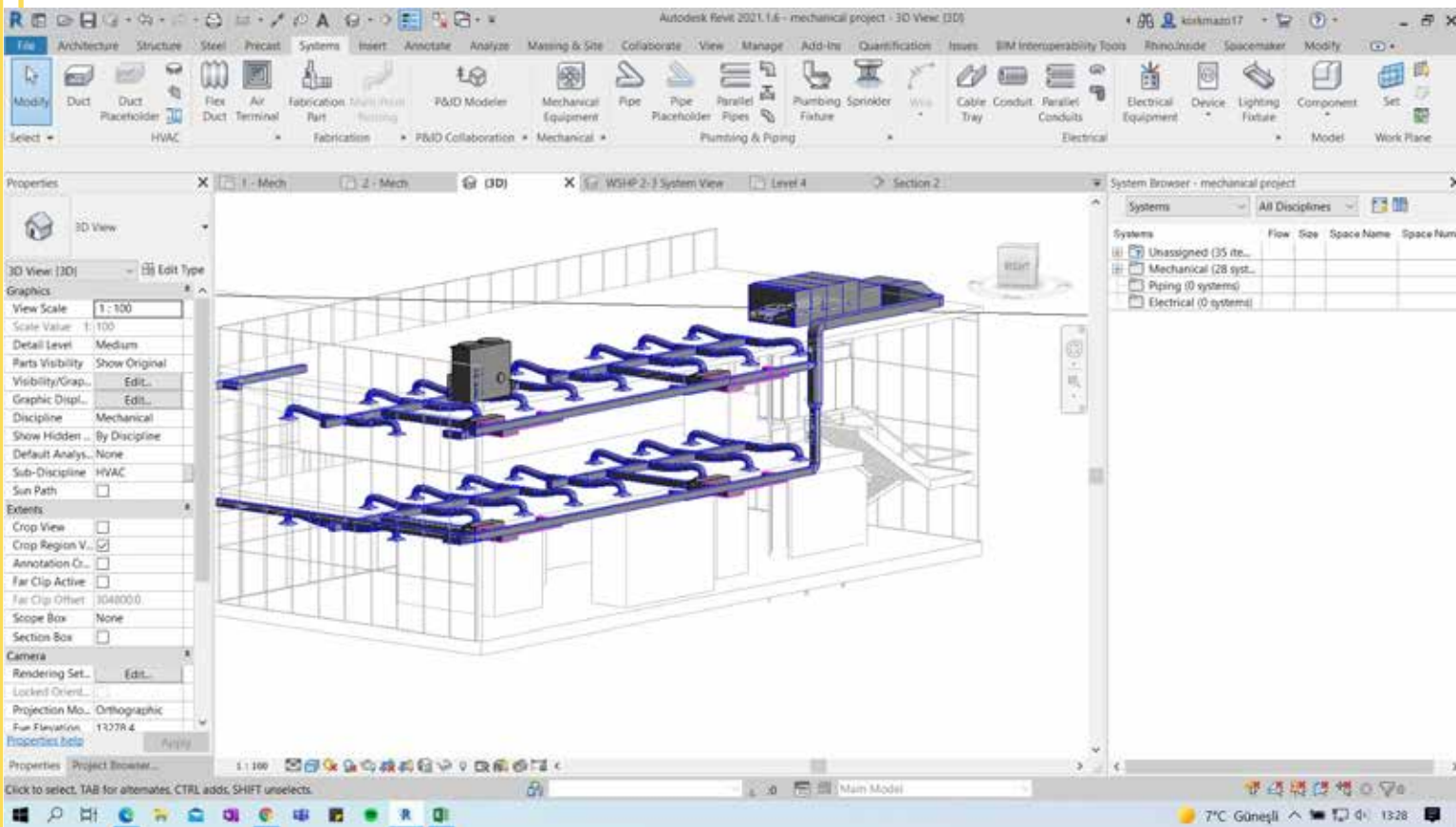
BUILDING INFORMATION MODELING - LOD MATRIX					
		MODELED	Model Discipline	LOD	MEA
A	SUBSTRUCTURE				
A10	Foundations				
A1010	Standard Foundations				
A1010.10	Wall Foundations	Y	S	300	Dialogue.rvt
A1010.30	Column Foundations	Y	S	300	Dialogue.rvt
A1020	Special Foundations				
A1020.60	Raft Foundations	Y	S	300	Dialogue.rvt
A40	Slabs-on-Grade				
A4020	Structural Slabs-on-Grade	Y	S		
A4040	Pits and Bases	Y	S		
A60	Water and Gas Mitigation				
A6010	Building Subdrainage				
A6010.10	Foundation Drainage			300	Dialogue.rvt
A6010.20	Underslab Drainage			300	Dialogue.rvt
B	SHELL				
B10	Superstructure				
B1010	Floor Construction	Y	S		
B1010.10	Floor Structural Frame	Y	S	300	Dialogue.rvt
B1020	Roof Construction				
B1020.10	Roof Structural Frame			300	Dialogue.rvt
B1020.20	Roof Decks, Slabs, and Sheathing	Y	S	300	Dialogue.rvt
B1020.30	Canopy Construction	Y	A	300	Dialogue.rvt
B1080	Stairs				
B1080.10	Stair Construction	Y	A	300	Dialogue.rvt
B1080.50	Stair Railings	Y	A	300	Dialogue.rvt
B20	Exterior Vertical Enclosures				
B2010	Exterior Walls				





# Mekanik Tasarım

dialogue.rvt



# Mekanik Tasarım

dialogue.rvt

