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



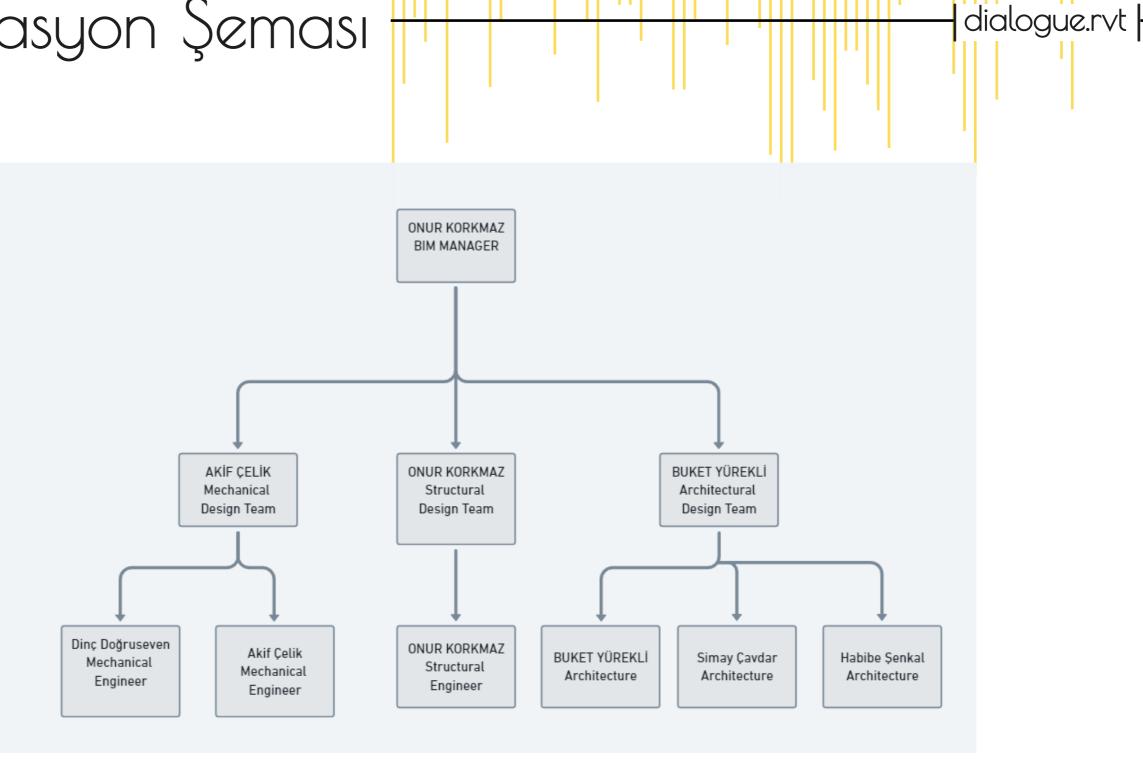
# İçindekiler dialogue.rvt |

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

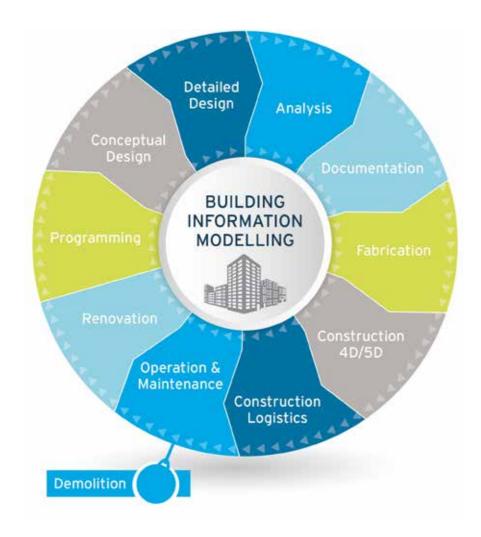
- 7 Çakışmalar
- 8 Planlar
- 9 Kesitler
- 10 Yapısal Tasarım
- Mekanik Tasarım
- 2 Sistem Fonksiyon Şemaları

- Render
- 4D Simülasyon
- 15 Insight Analizi
- 16 Sürdürülebilirlik
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### Organizasyon Şeması

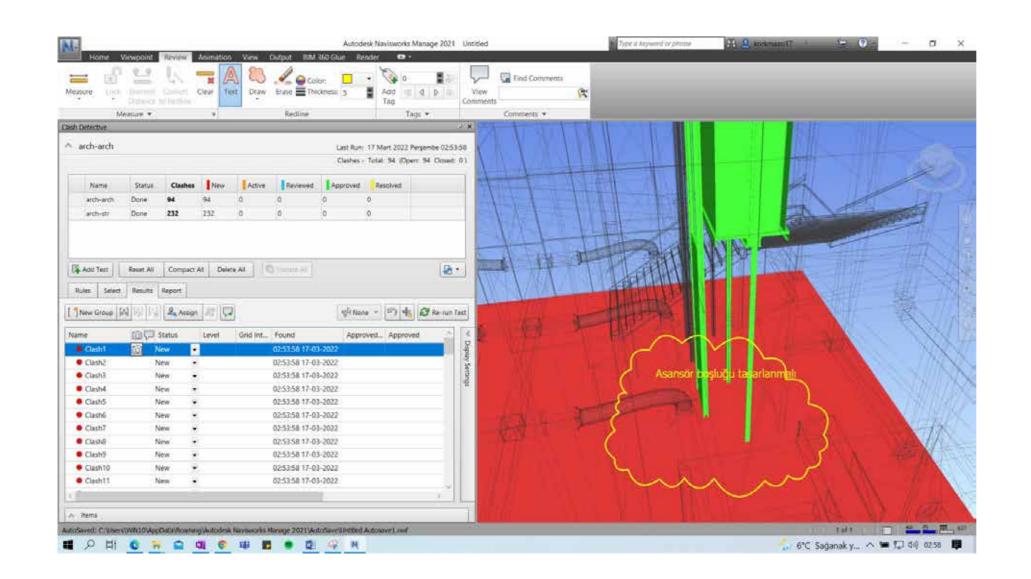


### BIM Uygulama Plani



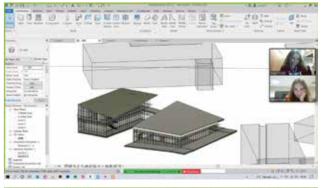


### Çalışma Koordinasyonu











# - Yarışma İş Programı

| •    | Task<br>Mode ▼ | Task Name                               | → Duration → | Start 🔻      | Finish -     | Predecessors • | Resourc   | Jan '22 Feb '22 Mar '22 Apr '22 May '22 Jun '22   20 27 3 10 17 24 31 7 14 21 28 7 14 21 28 4 11 18 25 2 9 16 23 30 6 |
|------|----------------|---|--------------|--------------|--------------|----------------|-----------|---|
| 1    | =              | △ Project                               | 138 days     | Wed 29.12.21 | Thu 14.07.22 |                |           |   |
| 2    |                | Başlangıç                               | 0 days       | Wed 29.12.21 | Wed 29.12.21 |                |           | 29.12   |
| 3    | =              | ₄ Kazı işleri                           | 23 days      | Wed 29.12.21 | Fri 28.01.22 | 2              |           | <del>*                                    </del>  |
| 4    | =              | Temel ve Bodrum kazısı ve<br>tesviyesi  | 2 days       | Wed 29.12.21 | Thu 30.12.21 |                |           |   |
| 5    | =              | Zemin güçlendirme                       | 22 days      | Thu 30.12.21 | Fri 28.01.22 |                |           | Soil Compaction   |
| 6    | =              | Hardcore Filling                        | 2 days       | Wed 29.12.21 | Thu 30.12.21 |                |           | Hardcore Filling  |
| 7    | =              | Lean Concrete                           | 1 day        | Fri 31.12.21 | Fri 31.12.21 | 6              |           | Lean Concrete   |
| 8    | =              | ₄ Bodrum inşaatı                        | 22 days      | Mon 3.01.22  | Tue 1.02.22  |                |           | <del> </del>  |
| 9    | <u> </u>       | Su yalıtımı                             | 2 days       | Mon 3.01.22  | Tue 4.01.22  |                |           |   |
| 10   | =              | Grobeton dökülmesi                      | 6 days       | Wed 5.01.22  | Wed 12.01.22 | 7FS+1 day      |           | Grobeton dökülmesi  |
| 11   |                | Temel-Kolon donatı imalatı              | 7 days       | Fri 14.01.22 | Mon 24.01.22 | 10FS+1 day     |           | Temel kolon donatı  |
| 12   | =              | Temel- kolon beton                      | 6 days       | Tue 25.01.22 | Tue 1.02.22  | 11             | Tei       | Temek kolon beton imalatı   |
| 13   | =              | ₄ Zemin Kat                             | 23 days      | Thu 3.02.22  | Mon 7.03.22  |                |           |   |
| 14   | <u> </u>       | döşeme kalıp-donatı imalatı             | 4 days       | Thu 3.02.22  | Tue 8.02.22  | 12FS+1 day     | döş       | döşeme kalıp-donatı imalatı   |
| 15   |                | Beton dökülmesi                         | 2 days       | Wed 9.02.22  | Thu 10.02.22 | 14             |           | Beton dökülmesi   |
| 16   | =              | Merdiven donatı- kalıp işleri           | 2 days       | Fri 11.02.22 | Mon 14.02.22 |                | Mei       | Merdiven donatı- kalıp işleri   |
| 17   | =              | Kolon donatı-kalıp imalatı              | 7 days       | Mon 14.02.22 | Tue 22.02.22 |                | Kc        | Kolon donatı-kalıp imalatı  |
| 18   |                | Kolon betonu imalatı                    | 2 days       | Wed 23.02.22 | Thu 24.02.22 |                |           | Kolon betonu imalatı  |
| 19 🚟 | =              | Kiriş - Döşeme kalıp-Donatı<br>imalatı  | 7 days       | Fri 25.02.22 | Mon 7.03.22  | 18             | Kiriş - E | Kiriş - Döşeme kalıp-Donatı imalatı   |
| 20   | <u> </u>       | Döşeme - Kiriş betonu imalatı           | 1 day        | Mon 7.03.22  | Mon 7.03.22  |                | Döş€      | Döşeme - Kiriş betonu imalatı   |
| 21   | A              | 4 1. Kat                                | 16 days      | Tue 8.03.22  | Tue 29.03.22 |                |           |   |
| 22   |                | Kolon Donatı-Kalıp İmalatı              | 7 days       | Tue 8.03.22  | Wed 16.03.22 |                | ywood F   | Plywood Formwork Assembly (Columns)   |
| 23   | <b>=</b>       | Kolon beton imalatı                     | 1 day        | Thu 17.03.22 | Thu 17.03.22 | 22             | Re        | Reinforcement (Columns)   |
| 24   | =              | Kiriş-Döşeme Donatı ve kalıp<br>imalatı | 6 days       | Fri 18.03.22 | Fri 25.03.22 | 23             | Pot       | Pouring Concrete (Columns)  |
| 25   |                | Kiris-Döseme betonu imalatı             | 1 day        | Tue 29.03.22 | Tue 29.03.22 | 24FS+1 day     | rood For  | Plywood Formwork Disassembly (Column  |

### Kullandığımız Yazılımlar





generative design aşaması



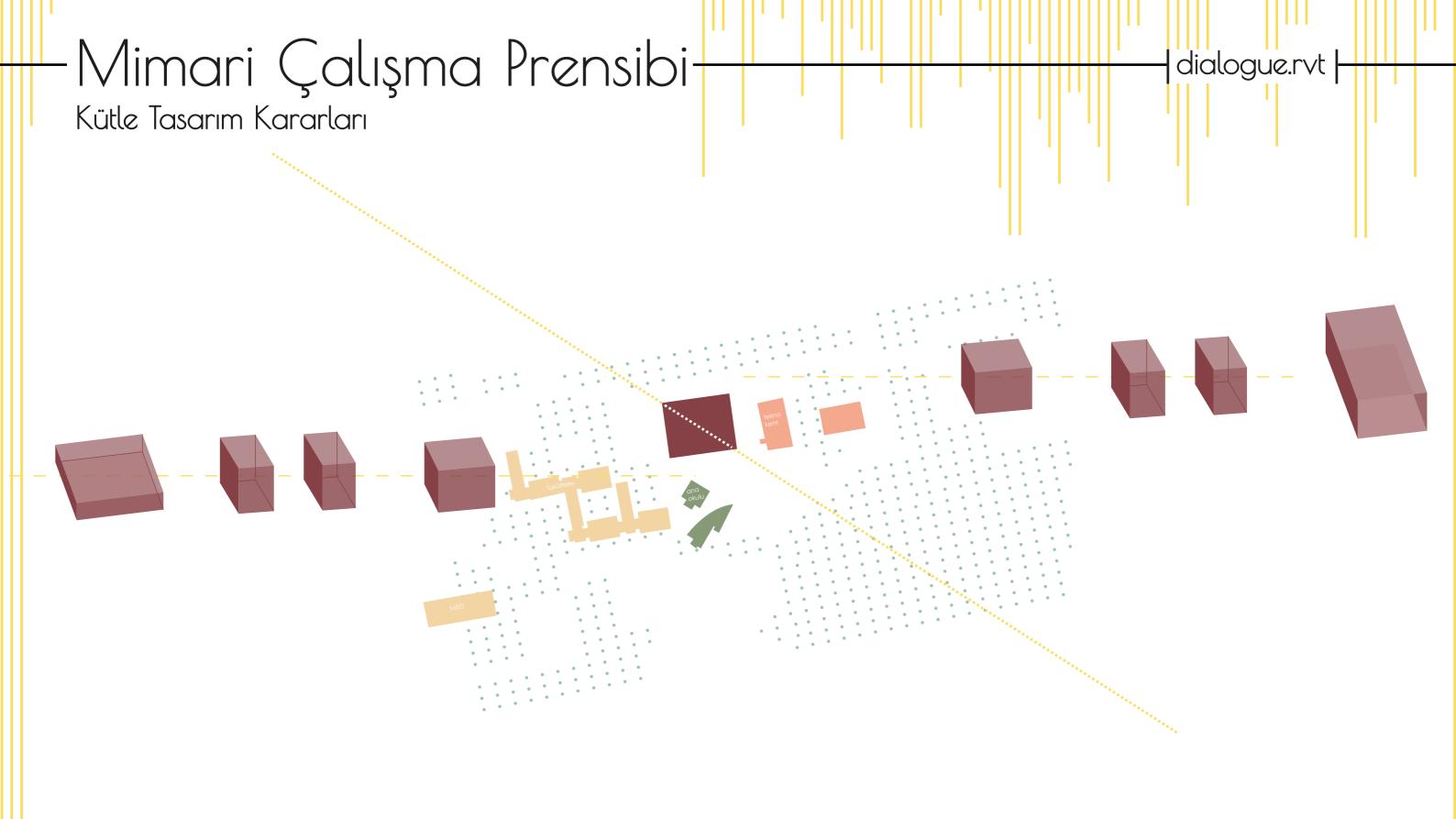




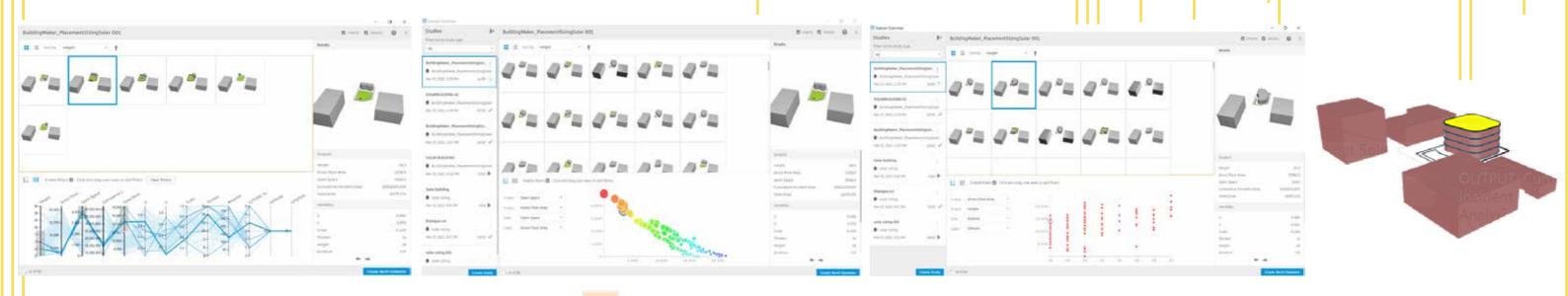


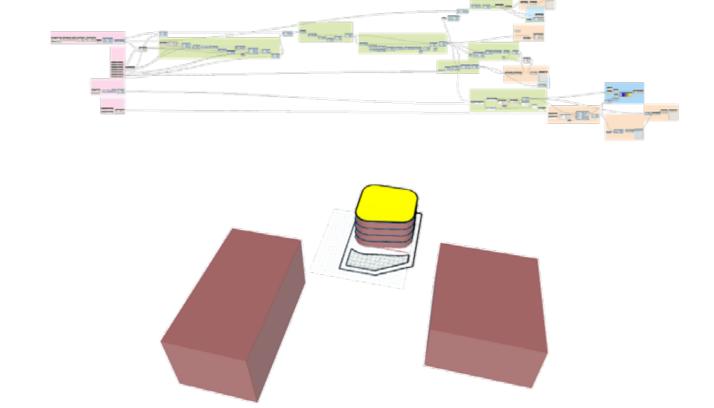


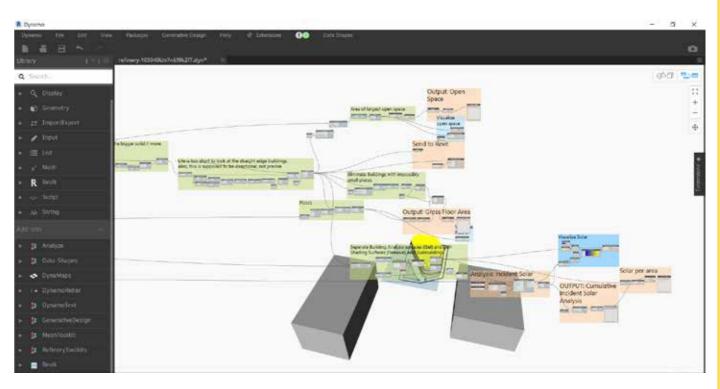
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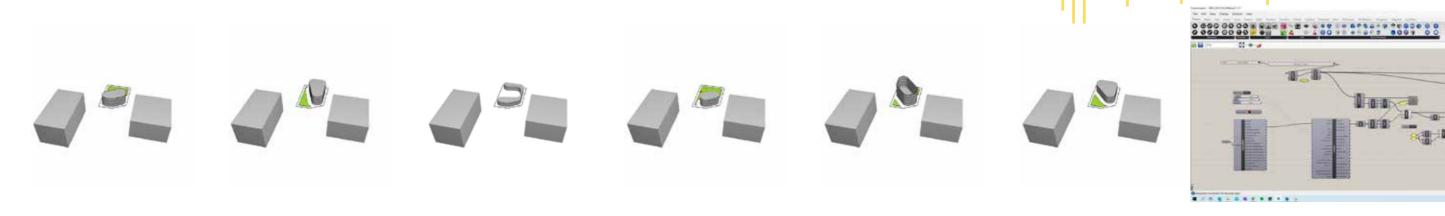
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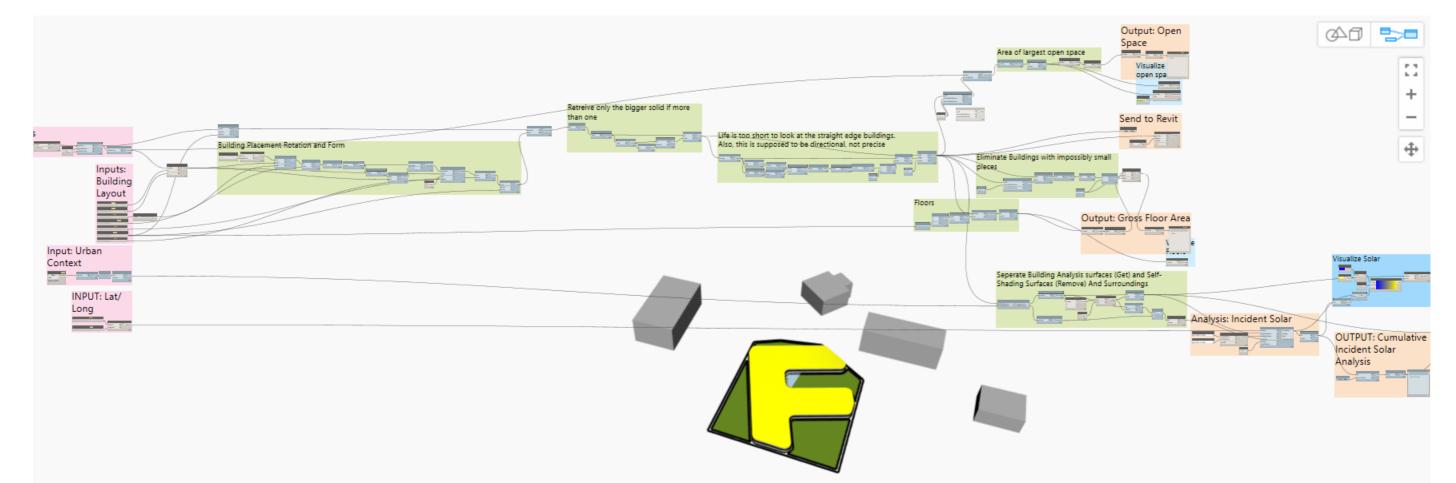




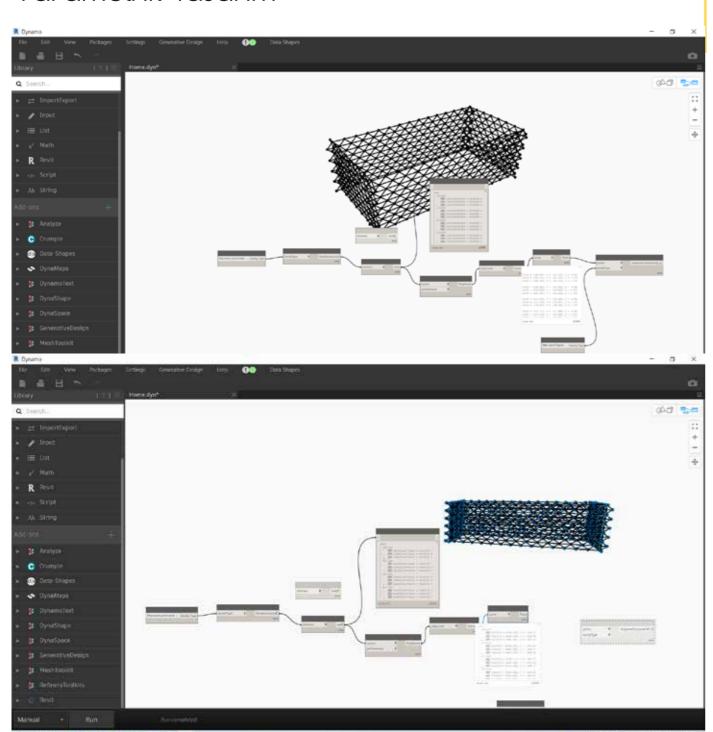


Generative Tasarım

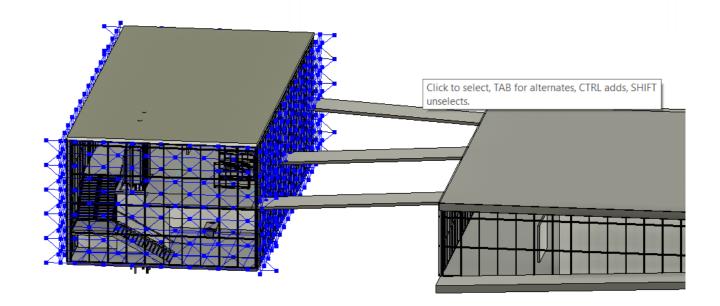




#### Parametrik Tasarım

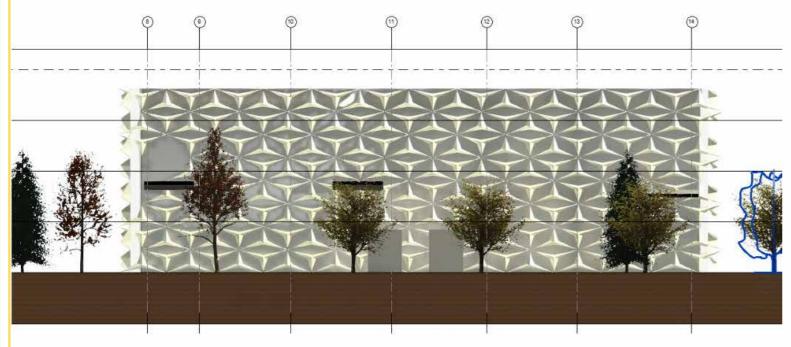


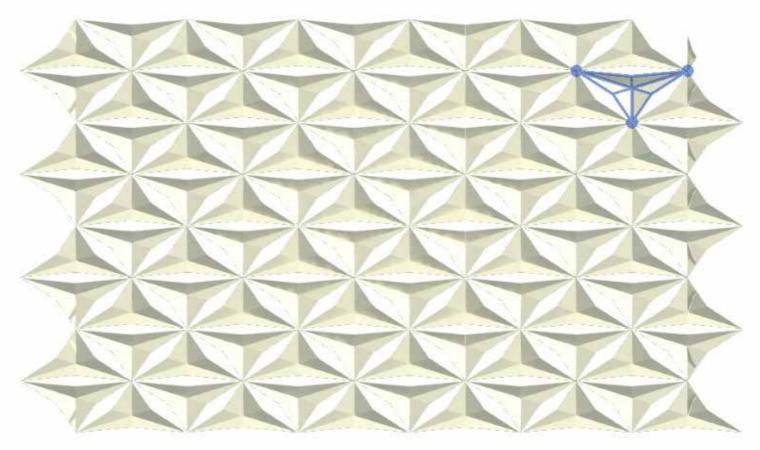




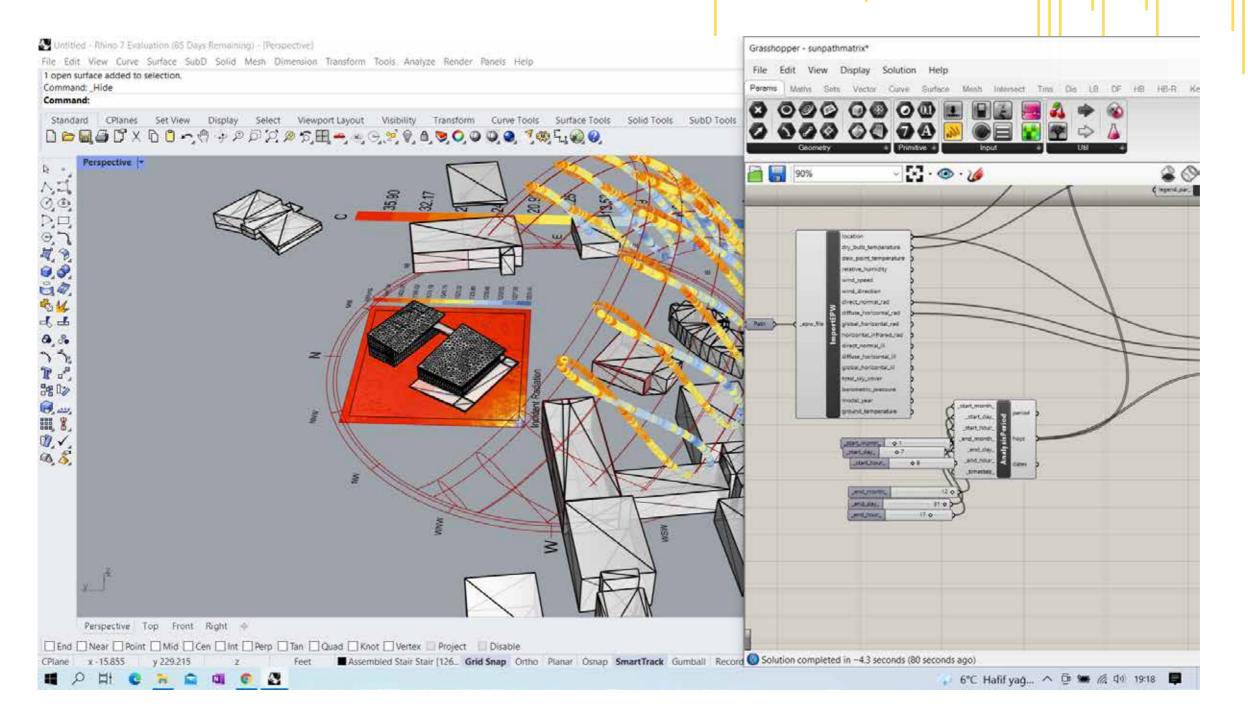


Parametrik Tasarım





Veri Odaklı Tasarım





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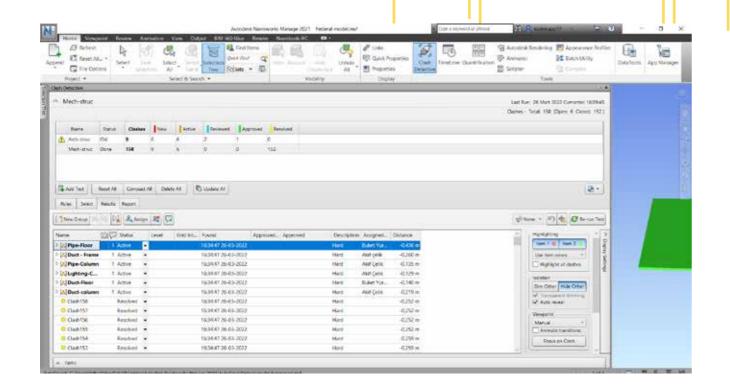
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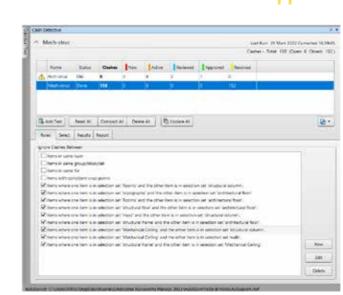


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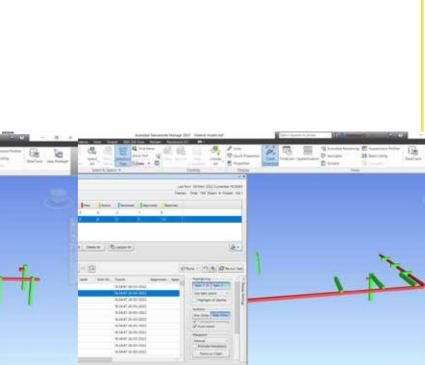
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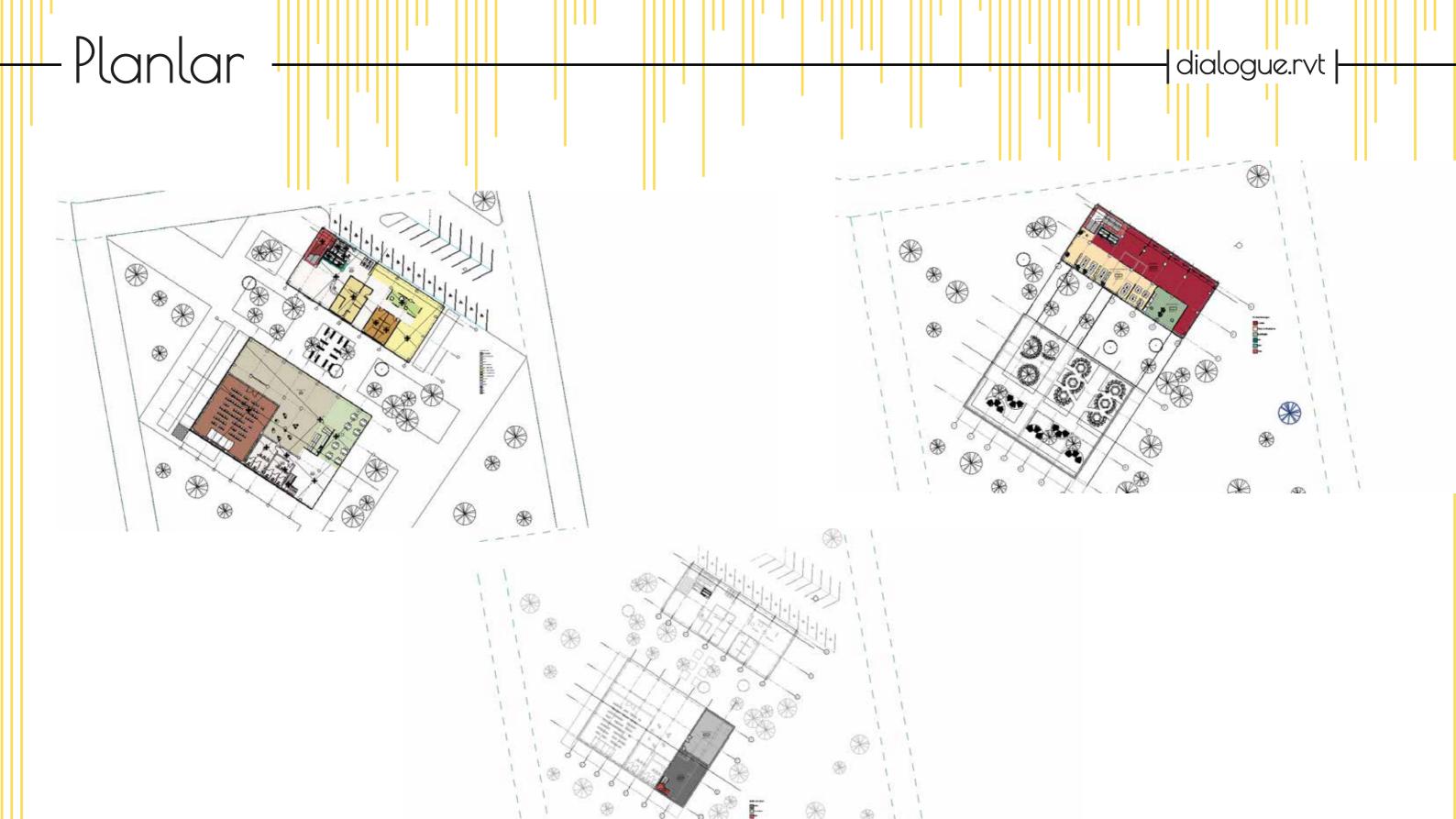
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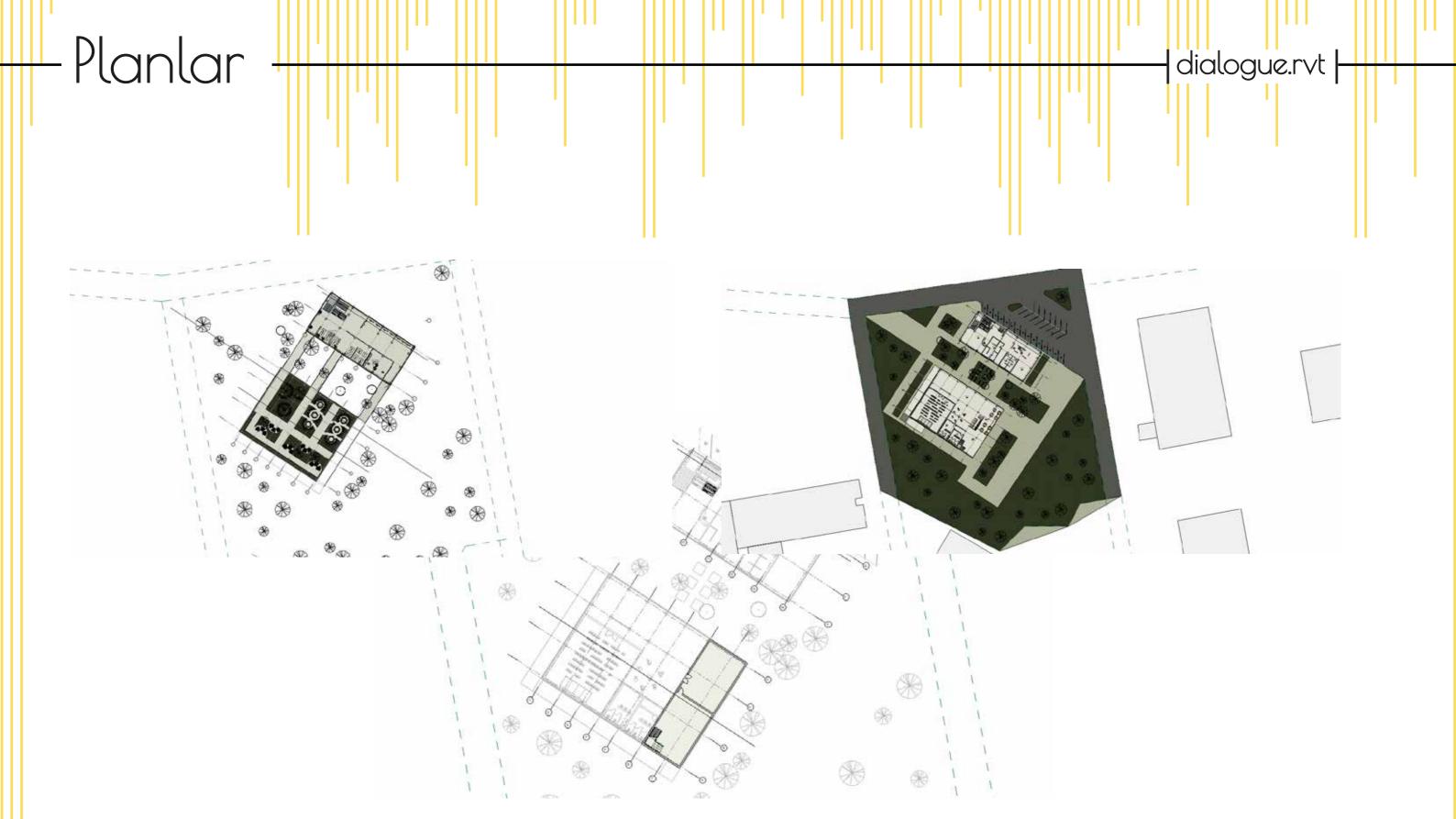
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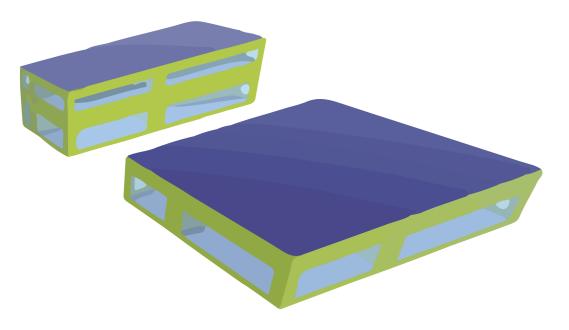


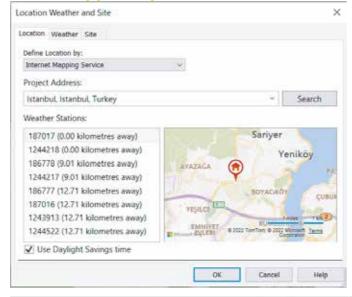




### Insight Analizi







| Parameter                              | Value                 |  |
|--|-----------------------|--|
| Energy Analytical Model                |                       |  |
| 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                |                       |  |
| Average Vertical Void Height Threshold | 1.8288                |  |
| Horizontal Void/Chase Area Threshold   | 0.093 m <sup>2</sup>  |  |
| Advanced                               | -                     |  |
| Other Options                          | Edit                  |  |





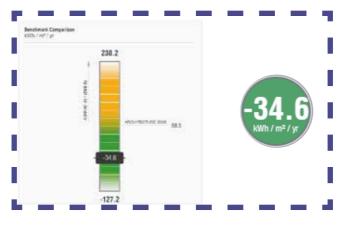








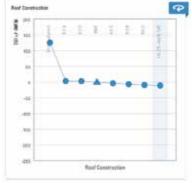
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### Insight Analizi

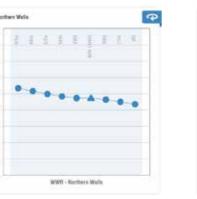
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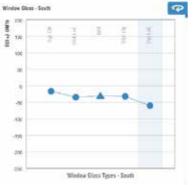
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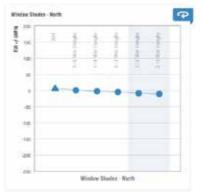


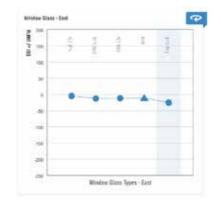
Well Construction

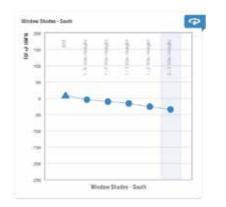


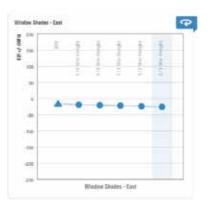


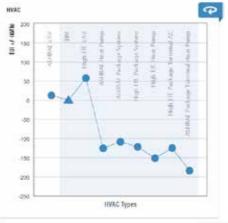


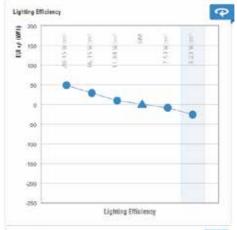


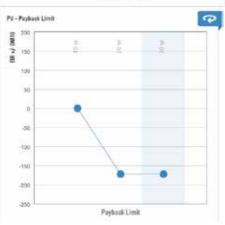




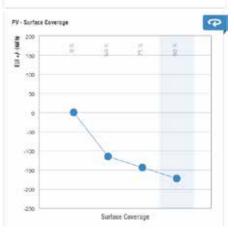


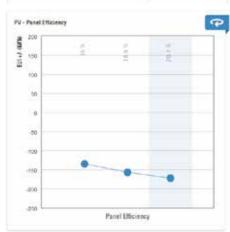


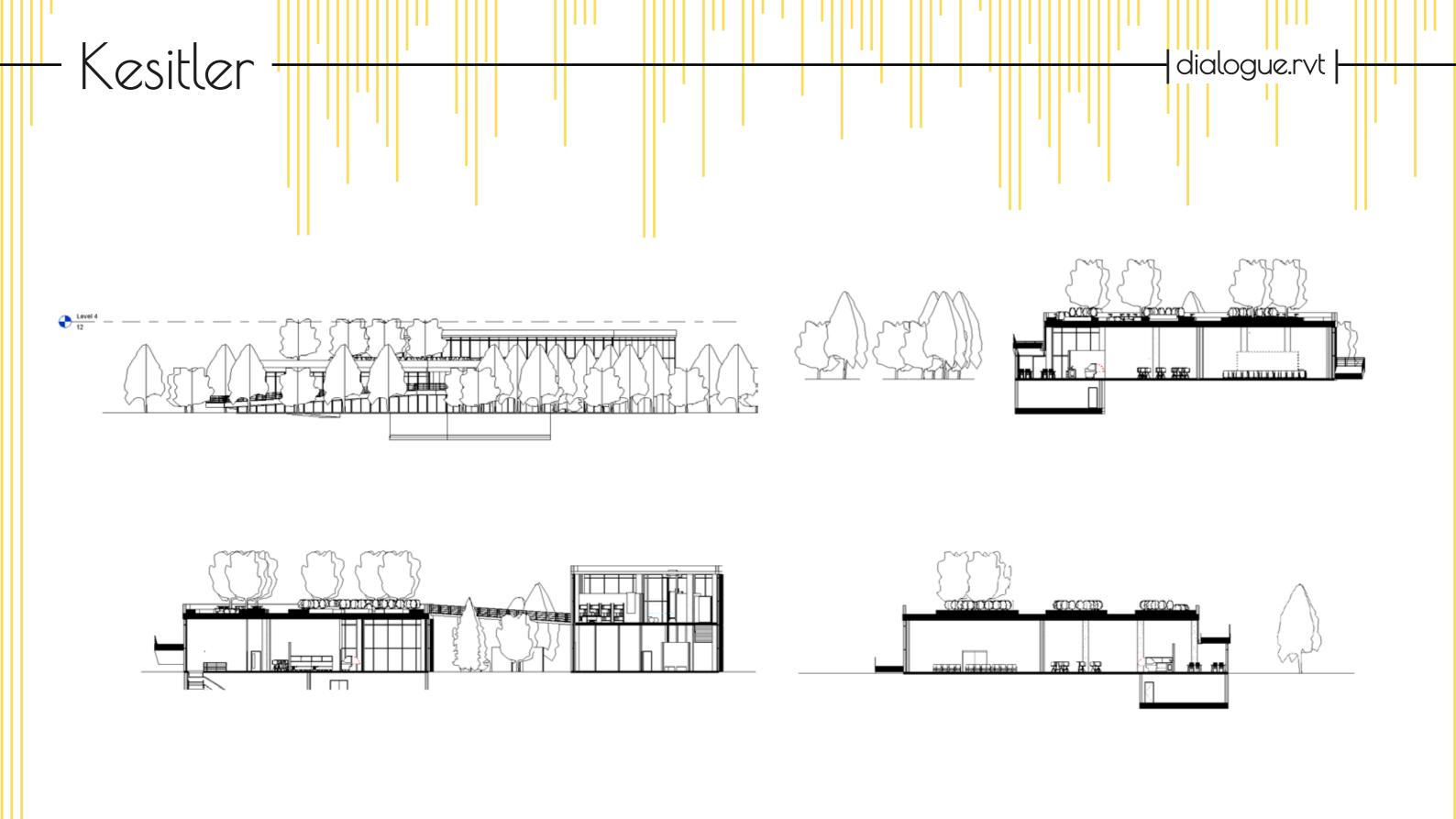




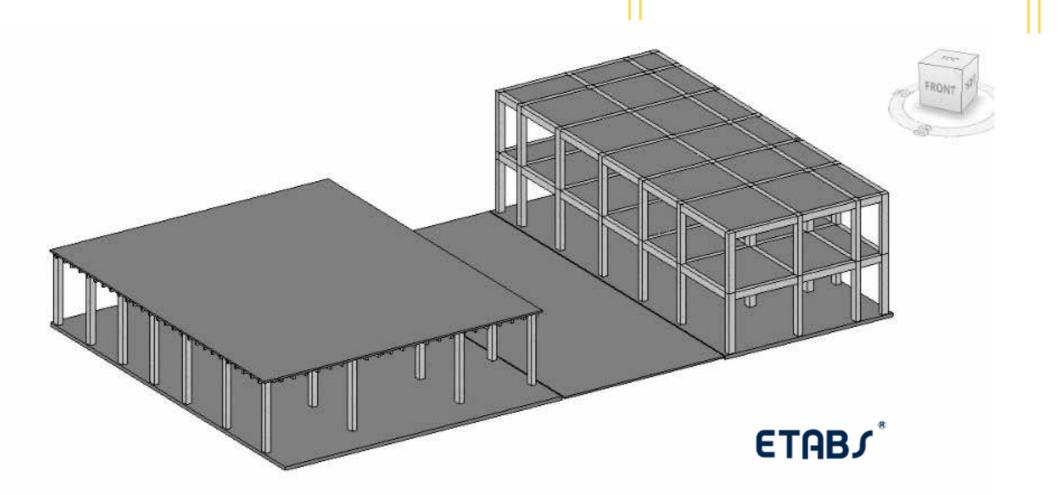






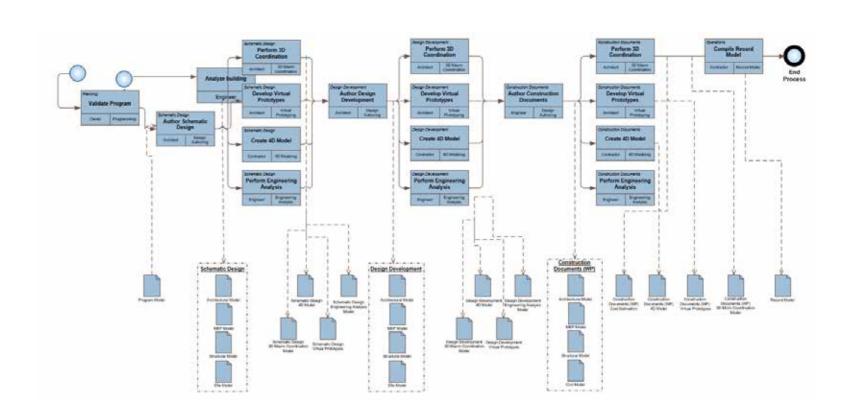


# Yapısal Tasarım

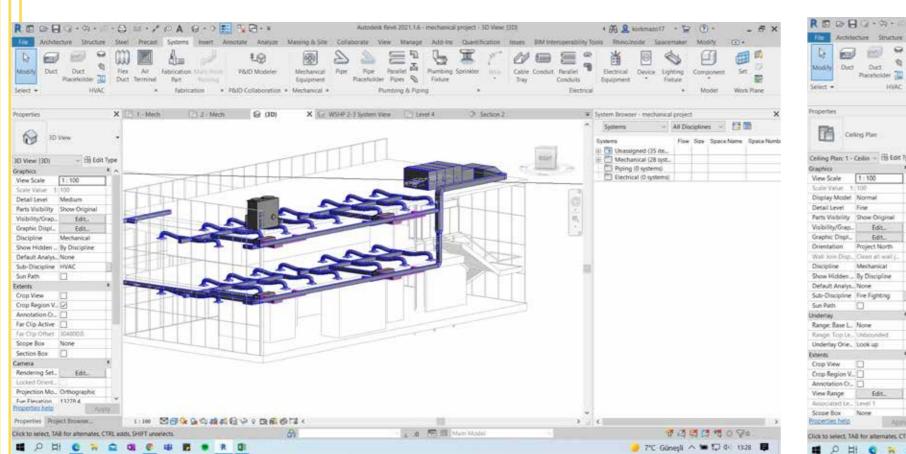


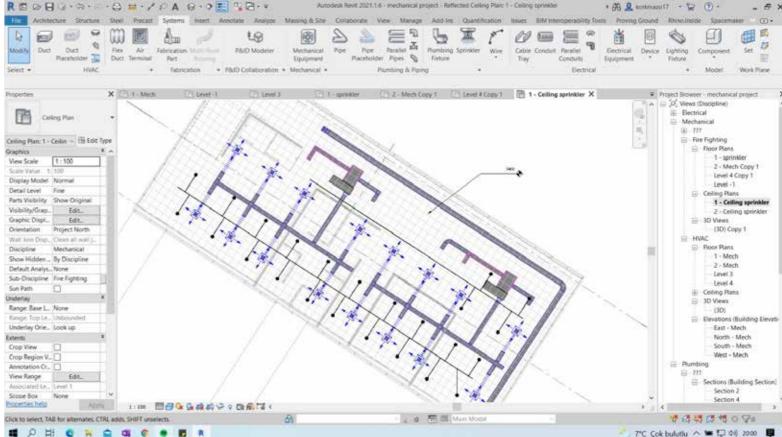
### BIM Uygulama Plani LOD Matrisi

|          | BUILDING                         |         |                  |     |              |
|----------|----------------------------------|---------|------------------|-----|--------------|
|          |                                  | MODELED | Model Discipline | LOD | MEA          |
| A        | SUBSTRUCTURE                     |         |                  |     |              |
| A10      | Foundations                      |         |                  |     |              |
| A1010    | Standard Foundations             |         |                  |     |              |
| A1010.10 | Wall Foundations                 | Y       | \$               |     | Dialogue.rvt |
| A1010.30 | Column Foundations               | Y       | \$               | 300 | Dialogue.rvt |
| A1020    | Special Foundations              |         |                  |     |              |
| A1020.60 | Raft Foundations                 | Y       | 5                | 300 | Dialogue.rvt |
| A40      | Slabs-on-Grade                   |         |                  |     |              |
| A4020    | Structural Slabs-on-Grade        | Y       | 5                |     |              |
| A4040    | Pits and Bases                   | Y       | 5                |     |              |
| A60      | Water and Gas Mitigation         |         |                  |     |              |
| A6010    | Building Subdrainage             |         |                  |     |              |
| A6010.10 | Foundation Drainage              |         |                  | 300 | Dialogue.rvt |
| A6010.20 | Underslab Drainage               |         |                  | 300 | Dialogue.rvt |
| В        | SHELL                            |         |                  |     |              |
| 810      | Superstructure                   |         |                  |     |              |
| B1010    | Floor Construction               | Y       | 5                |     |              |
| 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       | 5                | 300 | Dialogue.rvt |
| B1020.30 | Canopy Construction              | Y       | A                | 300 | Dialogue.rvt |
| 81080    | Stairs                           |         |                  |     |              |
| 81080.10 | Stair Construction               | Y       | A                | 300 | Dialogue.rvt |
| B1080.50 | Stair Railings                   | γ       | A                | 300 | Dialogue.rvt |
| B20      | Exterior Vertical Enclosures     |         |                  |     |              |

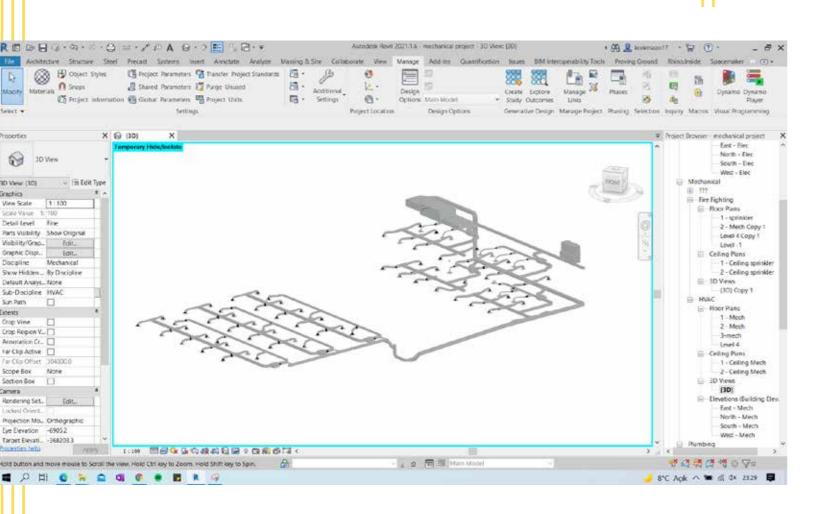


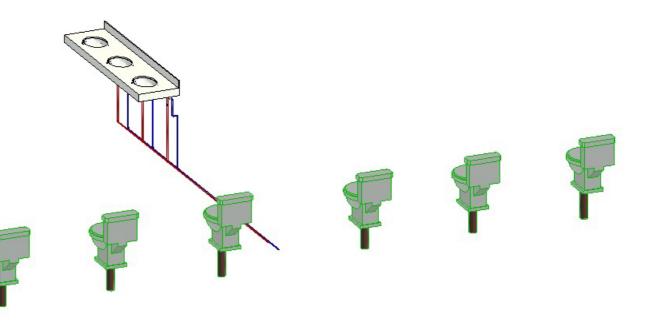
### Mekanik Tasarım



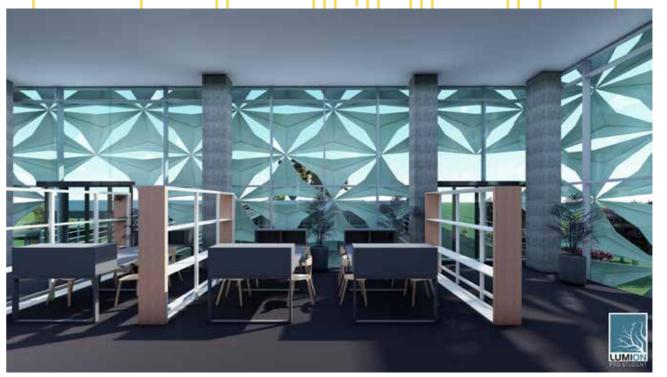


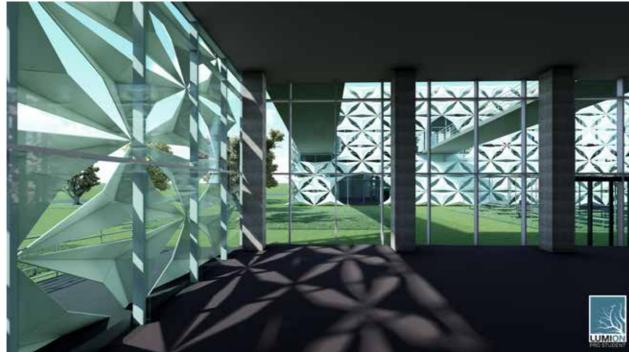
### Mekanik Tasarım













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