

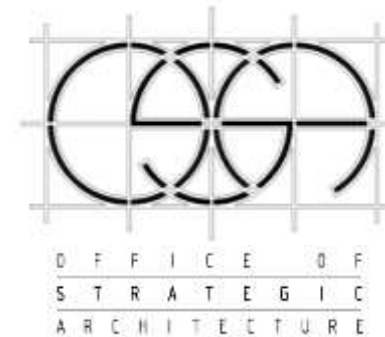
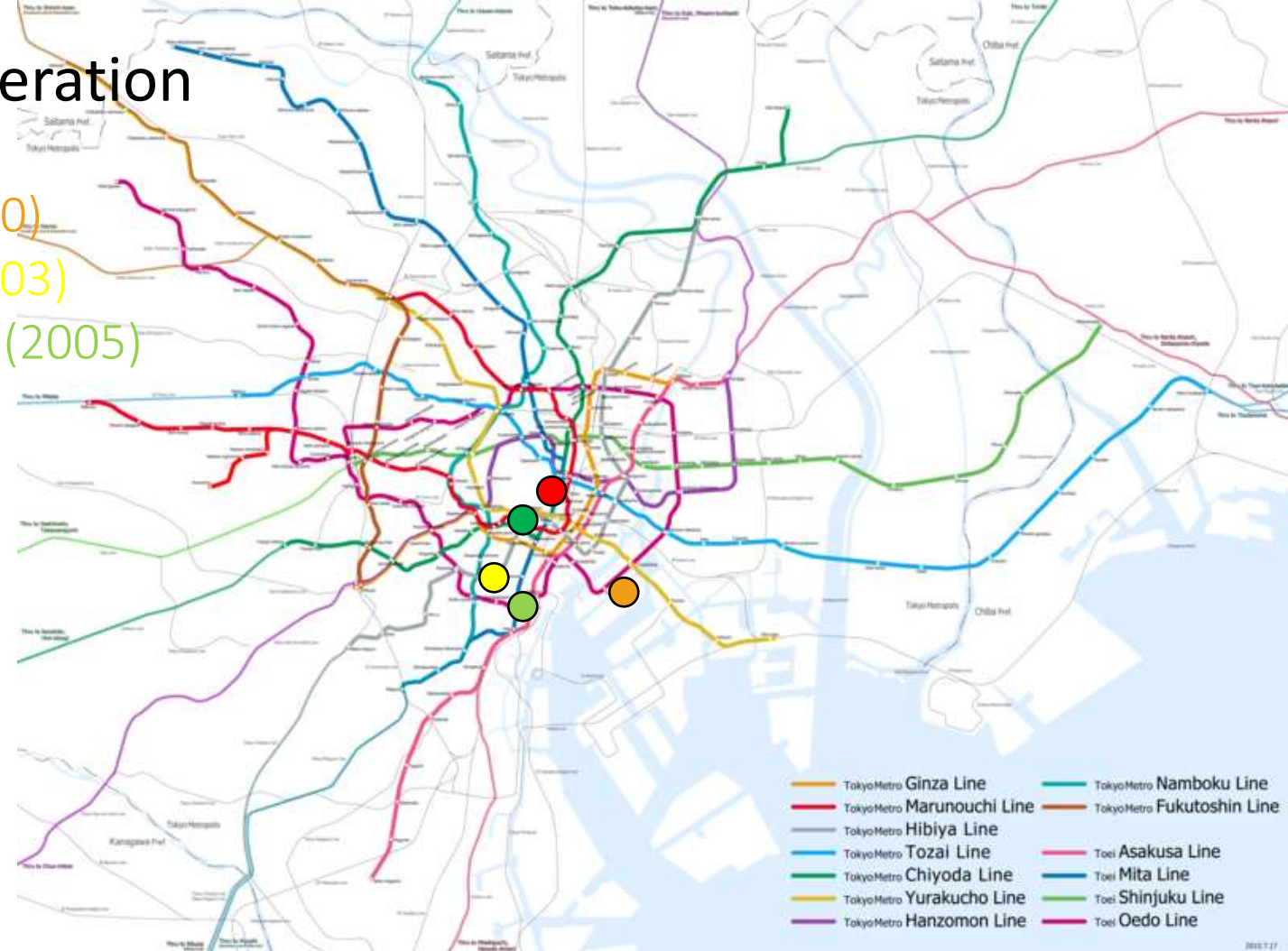
Tokyo Agglomeration

Ebisu (1990)

Odaiba (1990-2000)

Roppongi Hills (2003)

Omotesando Hills (2005)



Tokyo Agglomeration

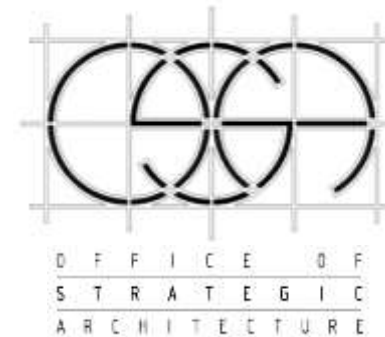
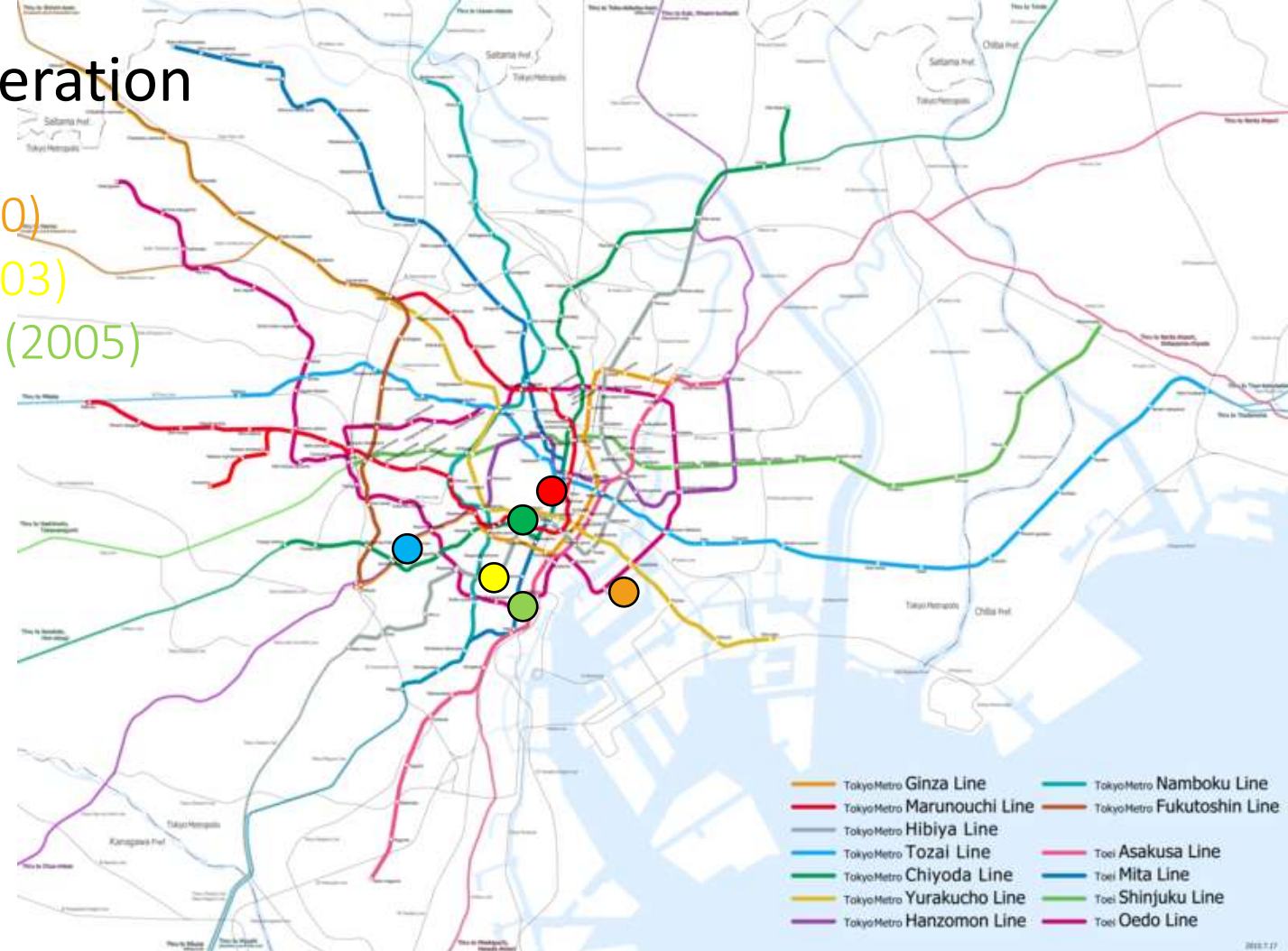
Ebisu (1990)

Odaiba (1990-2000)

Roppongi Hills (2003)

Omotesando Hills (2005)

Shiodome (2006)



Tokyo Agglomeration

Ebisu (1990)

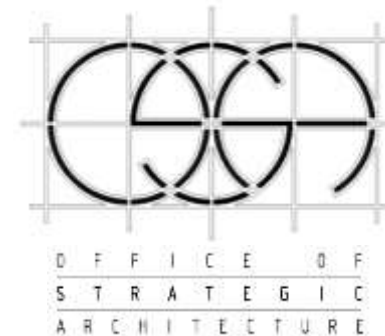
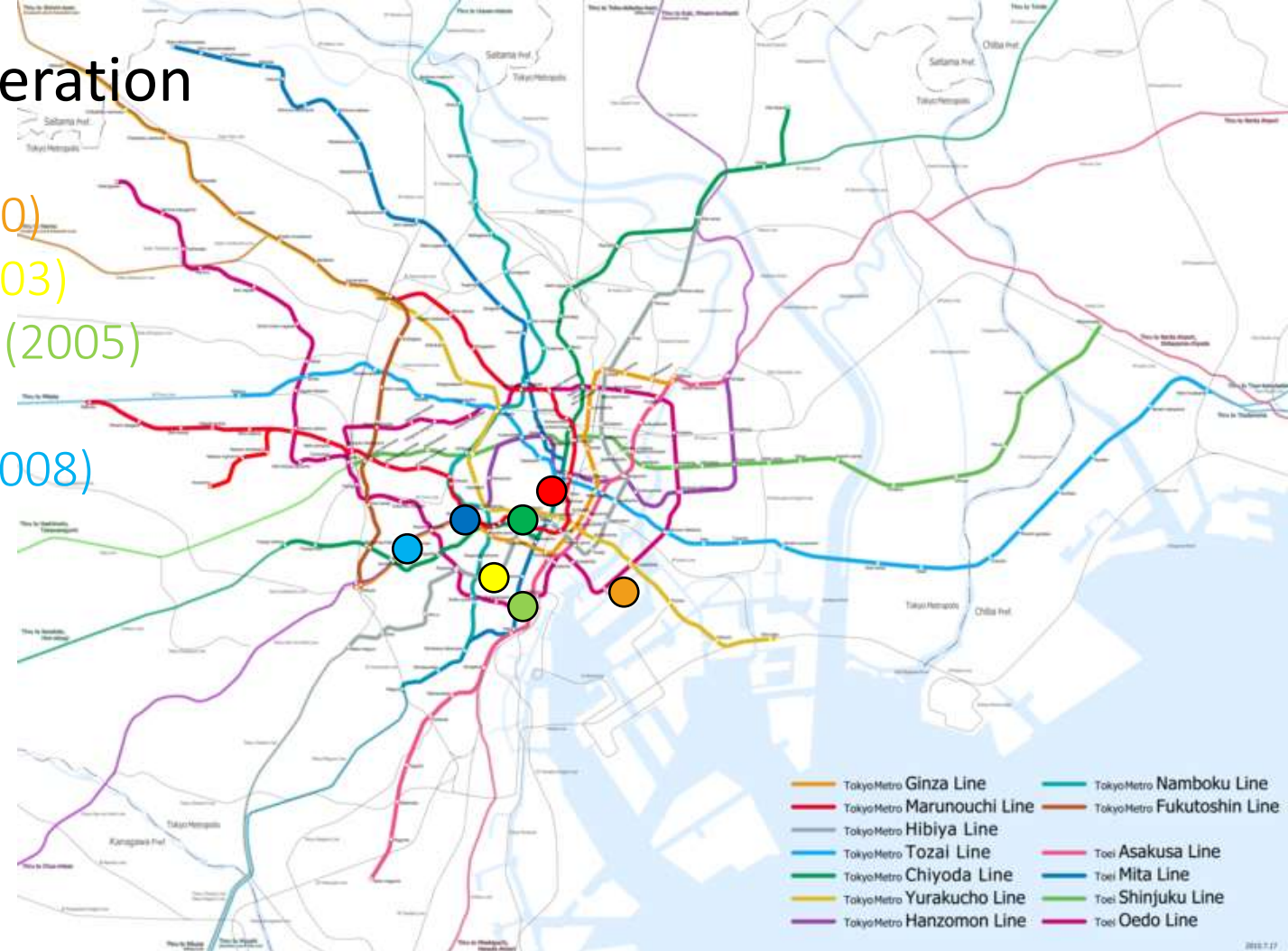
Odaiba (1990-2000)

Roppongi Hills (2003)

Omotesando Hills (2005)

Shiodome (2006)

Tokyo Midtown (2008)



Tokyo Agglomeration

Ebisu (1990)

Odaiba (1990-2000)

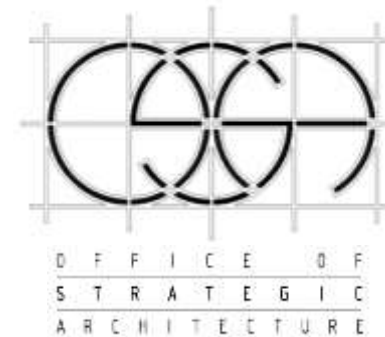
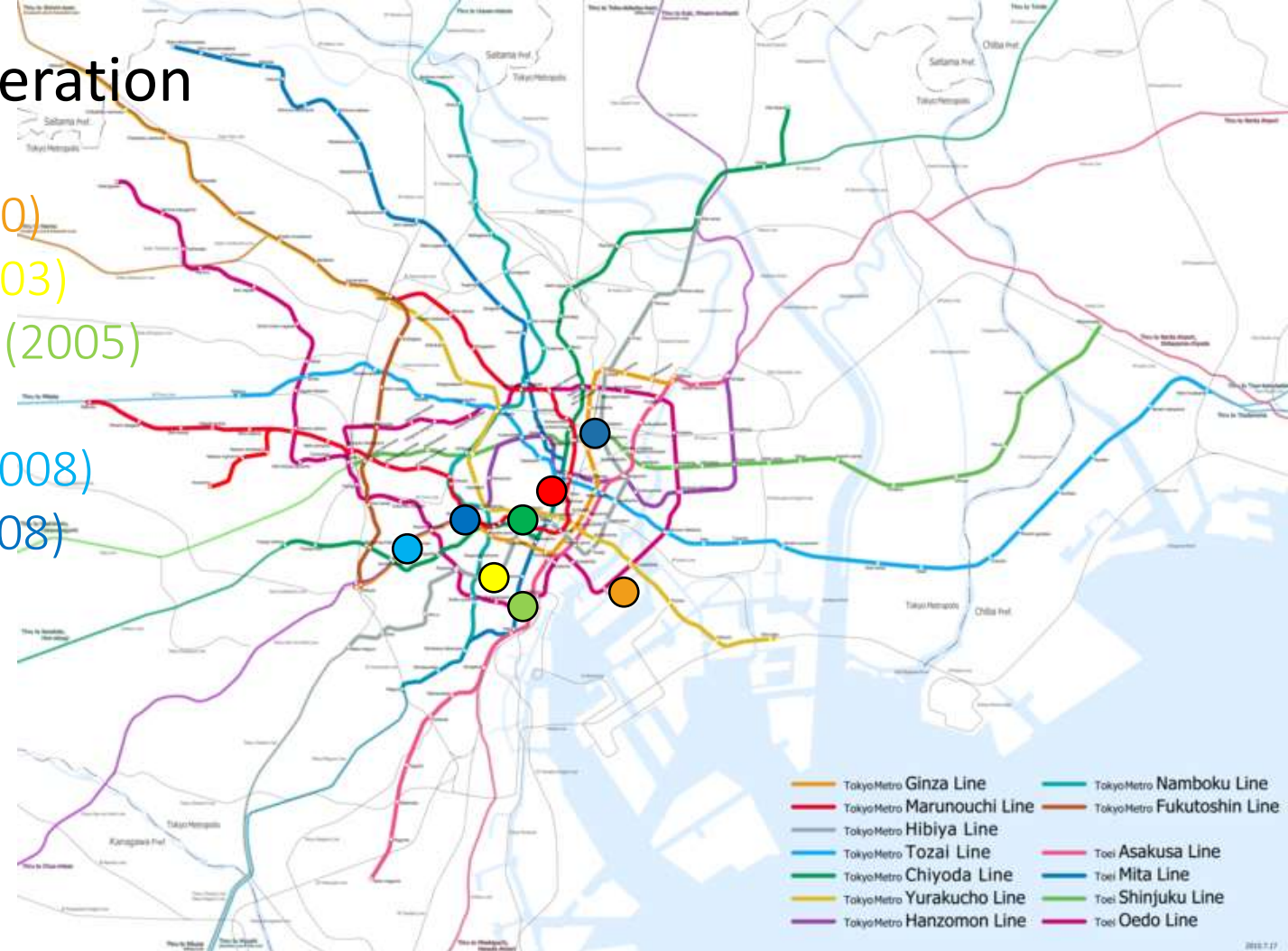
Roppongi Hills (2003)

Omotesando Hills (2005)

Shiodome (2006)

Tokyo Midtown (2008)

Akasaka Sacas (2008)



Venue Reprogramming

| Beijing 2009 | London 2012 | Rio 2016 |
|-------------------|-------------------|-------------------|
| Archery | Archery | Archery |
| Athletics | Athletics | Athletics |
| Badminton | Badminton | Badminton |
| Baseball | Basketball | Basketball |
| Basketball | BMX Cycling | BMX Cycling |
| BMX Cycling | Bowling | Bowling |
| Bowling | Canoeing | Canoeing |
| Canoeing | Diving | Diving |
| Diving | Equestrian | Equestrian |
| Equestrian | Fencing | Fencing |
| Fencing | Field Hockey | Field Hockey |
| Field Hockey | Football | Football |
| Football | Gymnastics | Golf |
| Gymnastics | Handball | Gymnastics |
| Handball | Judo | Handball |
| Judo | Modern pentathlon | Judo |
| Modern pentathlon | Mountain biking | Modern pentathlon |
| Mountain biking | Road Cycling | Mountain biking |
| Road Cycling | Rowing | Road Cycling |
| Rowing | Sailing | Rugby Sevens |
| Sailing | Shooting | Rowing |
| Shooting | Swimming | Sailing |
| Swimming | Synch Swimming | Shooting |
| Synch Swimming | Table Tennis | Swimming |
| Table Tennis | Tennis | Synch Swimming |
| Tennis | Track Cycling | Table Tennis |
| Track Cycling | Triathlon | Track Cycling |
| Triathlon | Volleyball | Triathlon |
| Volleyball | Water polo | Volleyball |
| Volleyball Beach | Weightlifting | Volleyball Beach |
| Water polo | Wrestling | Water polo |
| Weightlifting | | Weightlifting |
| Wrestling | | Wrestling |

| Projected 2020 |
|-------------------|
| Archery |
| Athletics |
| Badminton |
| Basketball |
| BMX Cycling |
| Bowling |
| Canoeing |
| Diving |
| Equestrian |
| Fencing |
| Field Hockey |
| Football |
| Gymnastics |
| Handball |
| Judo |
| Modern pentathlon |
| Mountain biking |
| Road Cycling |
| Rowing |
| Sailing |
| Shooting |
| Swimming |
| Synch Swimming |
| Table Tennis |
| Tennis |
| Track Cycling |
| Triathlon |
| Volleyball |
| Volleyball Beach |
| Water polo |
| Weightlifting |
| Wrestling |

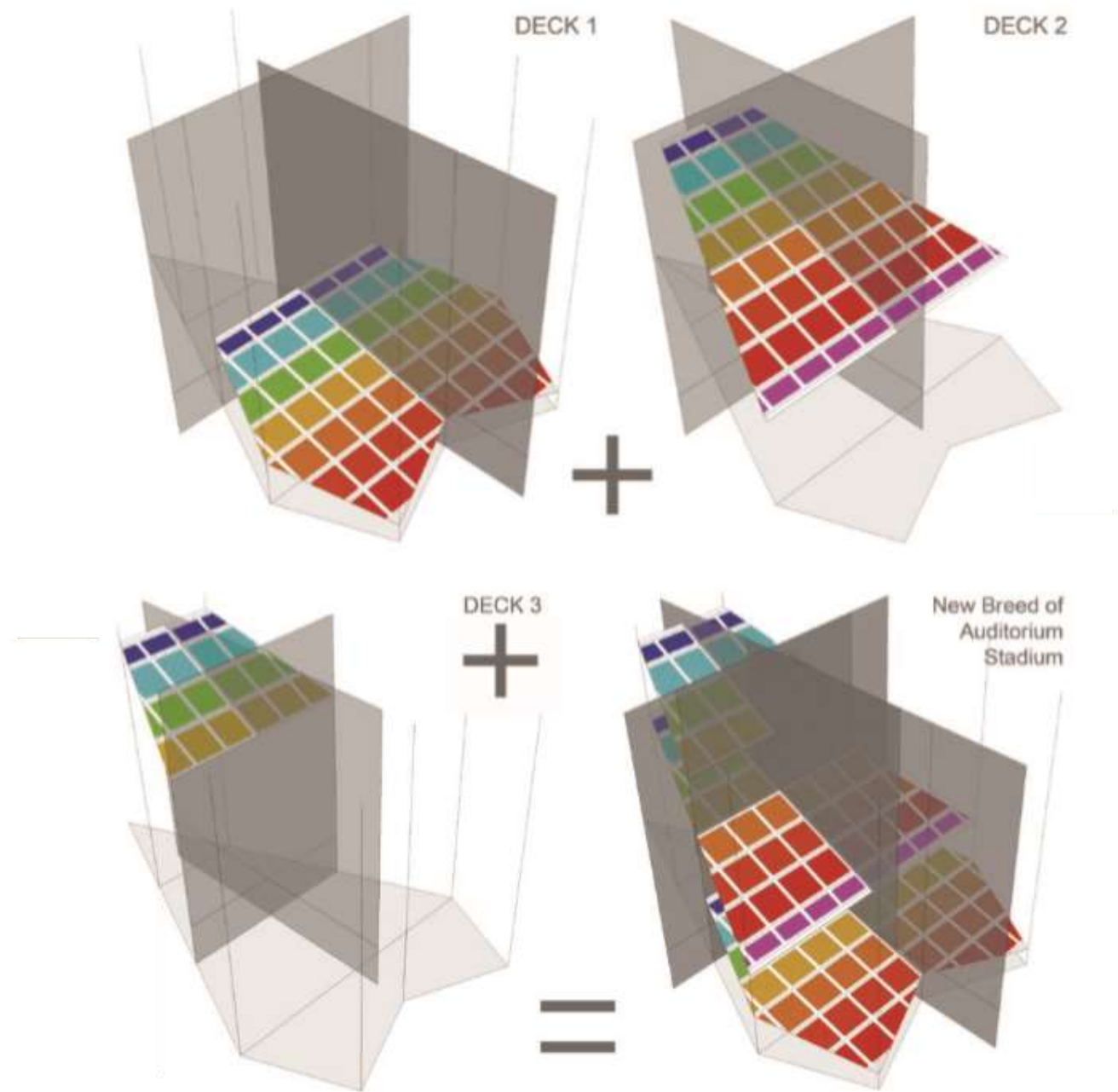
| Projected Venue | | Obstruct. Free | | | Source |
|------------------------|---------------------------|-----------------|-------|-------|-------------|
| Sport | Comparison Classification | Comparison Data | | | |
| | | l(m) | w (m) | L (m) | |
| Archery | External | - | - | - | - |
| Shooting | | - | - | - | - |
| Badminton | Small Arena | 17.4 | 8.1 | 7.6 | Nonfinalist |
| Bowling | | 16.3 | 16.3 | 4 | Nonfinalist |
| Fencing | | 12 | 9 | - | Nonfinalist |
| Judo | | 14 | 14 | 4 | Nonfinalist |
| Table Tennis | | 18 | 10 | 4 | Nonfinalist |
| Taekwondo | | 14 | 14 | 4 | Association |
| Weightlifting | | 10 | 10 | 4 | Nonfinalist |
| Wrestling | | 14 | 14 | 4 | Nonfinalist |
| Volleyball | | 14 | 19 | 12.3 | Nonfinalist |
| Basketball | Medium Arena | 47 | 28 | 7 | London2012 |
| Gymnastics | | 52 | 27 | 8 | Nonfinalist |
| Handball | | 44 | 22 | 7 | Nonfinalist |
| Tennis | | 36.57 | 18.27 | 7 | Nonfinalist |
| Aquatic-Diving | Large Arena | 104 | 41 | | London2012 |
| Aquatic-Swimming | | | | | |
| Aquatic-Syn. Swimming | | | | | |
| Aquatic-Water polo | | | | | |
| Hockey | | 113 | 69 | 3.5 | London2012 |
| Football | | 120 | 83 | - | Nonfinalist |
| Track Cycling | | 109 | 83 | - | London2012 |
| Athletics-Main Stadium | Extra Large Arena | 202 | 112 | - | London2012 |
| BMX Cycling | External | - | - | - | - |
| Mountain biking | | - | - | - | - |
| Road Cycling | | - | - | - | - |
| Canoeing | | - | - | - | - |
| Equestrian | | - | - | - | - |
| Modern pentathlon | | - | - | - | - |
| Rowing | | - | - | - | - |
| Sailing | | - | - | - | - |
| Triathlon | | - | - | - | - |
| Volleyball Beach | | - | - | - | - |

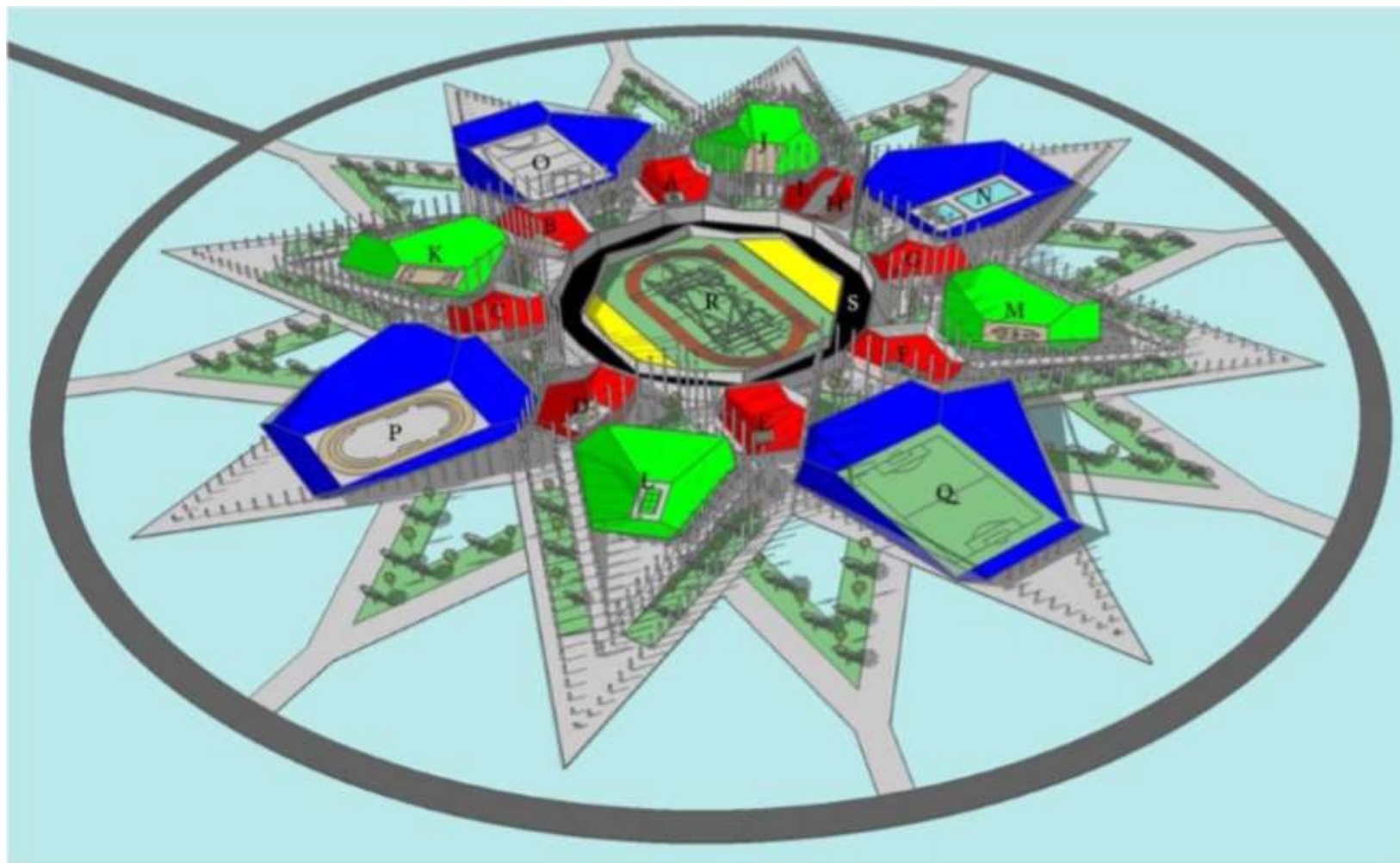
| Projected Venue | | Obstruct. Free | | |
|----------------------------|--------------------------|------------------|-------|--------|
| Sport | Typologic Classification | Synthesized Data | | |
| | | l (m) | w (m) | L (m) |
| Fencing | Small 1 | 18 | 10 | 180 |
| Weightlifting | | | | |
| Judo | Small 2 | 14 | 14 | 196 |
| Taekwondo | | | | |
| Wrestling | Small 3 | 16.3 | 16.3 | 272.25 |
| Bowling | | | | |
| Badminton | Small 4 | 18 | 10.3 | 340 |
| Table Tennis | | | | |
| Volleyball | Small 5 | 14 | 20 | 340 |
| Tennis | | | | |
| Basketball | Medium 1 | 28 | 20 | 540 |
| Handball | Medium 2 | 48 | 28 | 1344 |
| Gymnastics | | | | |
| Large Aquatic-Diving | Large 1 | 104 | 42 | 4368 |
| Large Aquatic-Swimming | | | | |
| Large Aquatic-Syn. Swim. | | | | |
| Large Aquatic-Water polo | | | | |
| Large Volleyball-Track Cy. | Large 2 | 110 | 64 | 7040 |
| Large Field Hockey | Large 3 | 113 | 60 | 9200 |
| Large Football | Large 4 | 120 | 90 | 10800 |
| XL Main Stadium-Athletics | Extra Large | - | - | - |

LEGEND

- Beijing 2009 Sport
- London 2012 Sport
- Rio 2016 Sport
- Unique Sport
- Small Stadiums
- Medium Stadiums
- Large Stadiums
- Extra Large Stadium
- External Venue (not included in the stadium)

Main Structure

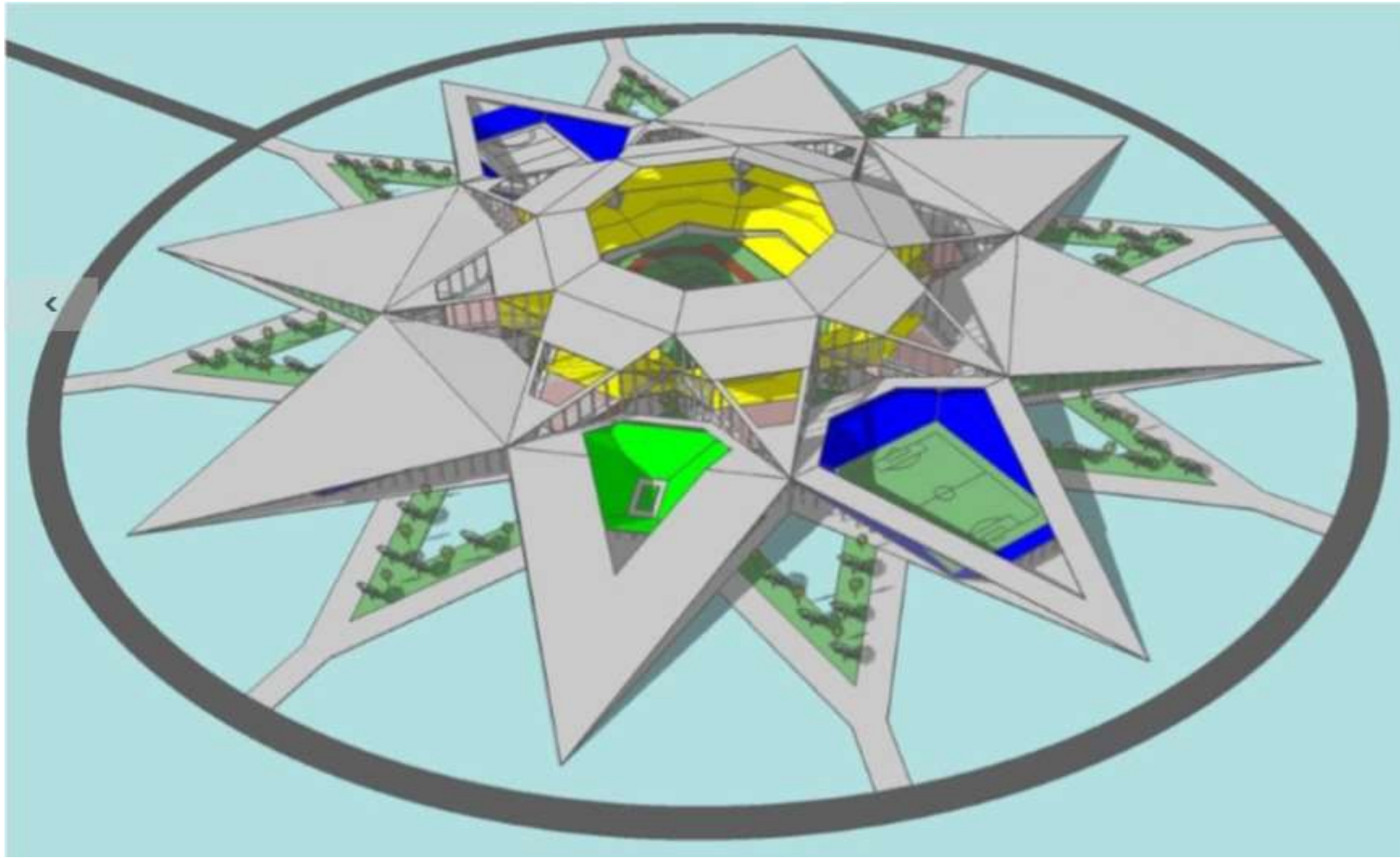




TOKYO TOMOE 2020

Hosting the Olympic Games is like opening an urban pandora, thousand athletes and officials, millions tourists and spectators, billions tv viewers and funds ...all coming and going in 2 weeks time.

Bringing the games into the urban environment is a risky task. Despite of the development dream, hosting city might even face economic turmoil, dragged into debt abyss and empty seated stadiums.

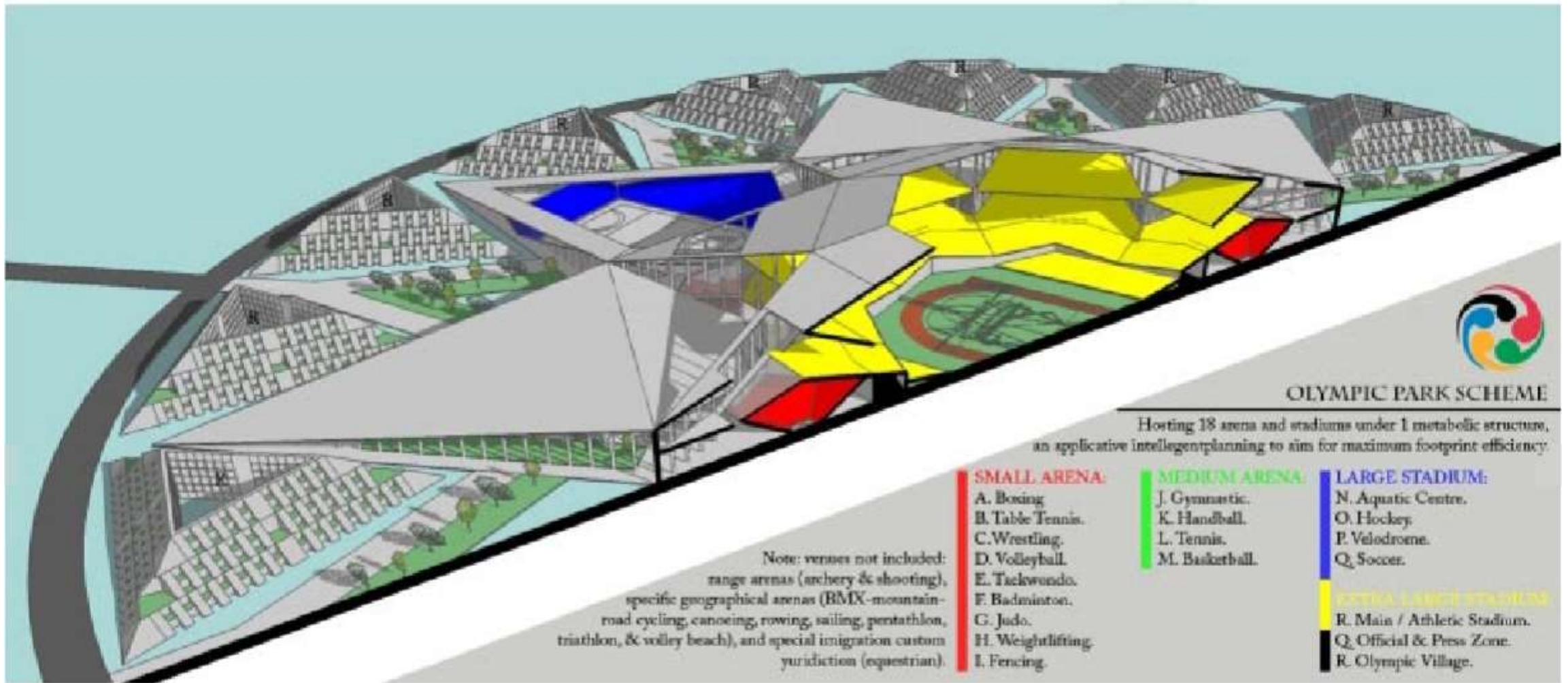


TOKYO TOMOE is the whole Olympic Park in single metabolic entity, built on Tokyo Bay to avoid direct intervention to its existing urban environment. After the games, the park shall functionally transformed into the new Olympic City.

FROM OLYMPIC PARK
TO OLYMPIC CITY

>





OLYMPIC PARK SCHEME

Hosting 18 arena and stadiums under 1 metabolic structure, an applicative intelligent planning to aim for maximum footprint efficiency

SMALL ARENA:

- A. Boxing
- B. Table Tennis.
- C. Wrestling.
- D. Volleyball.
- E. Taekwondo.
- F. Badminton.
- G. Judo.
- H. Weightlifting.
- I. Fencing.

MEDIUM ARENA:

- J. Gymnastic.
- K. Handball.
- L. Tennis.
- M. Basketball.

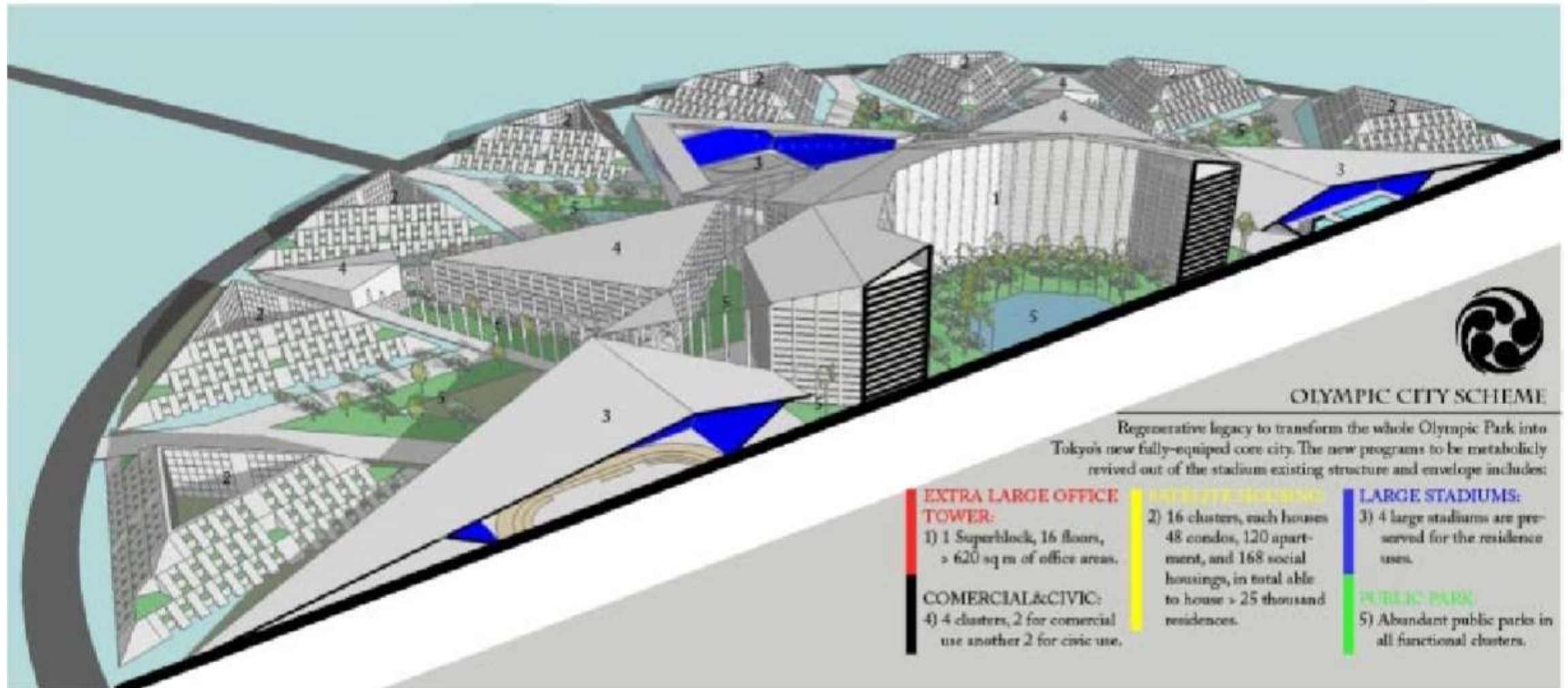
LARGE STADIUM:

- N. Aquatic Centre.
- O. Hockey.
- P. Velodrome.
- Q. Soccer.

EXTRA LARGE STADIUM:

- R. Main / Athletic Stadium.
- Q. Official & Press Zone.
- R. Olympic Village.

Note: venues not included:
range arenas (archery & shooting),
specific geographical arenas (BMX-mountain-
road cycling, canoeing, rowing, sailing, pentathlon,
triathlon, & volley beach), and special immigration custom
jurisdiction (equestrian).



OLYMPIC CITY SCHEME

Regenerative legacy to transform the whole Olympic Park into Tokyo's new fully-equipped core city. The new programs to be metabolically revived out of the stadium existing structure and envelope includes:

EXTRA LARGE OFFICE TOWER:

- 1) 1 Superblock, 16 floors, > 620 sq m of office areas.

COMERCIAL&CIVIC:

- 4) 4 clusters, 2 for comercial use another 2 for civic use.

HIGH-DENSITY HOUSING:

- 2) 16 clusters, each houses 48 condos, 120 apartment, and 168 social housings, in total able to house > 25 thousand residences.

LARGE STADIUMS:

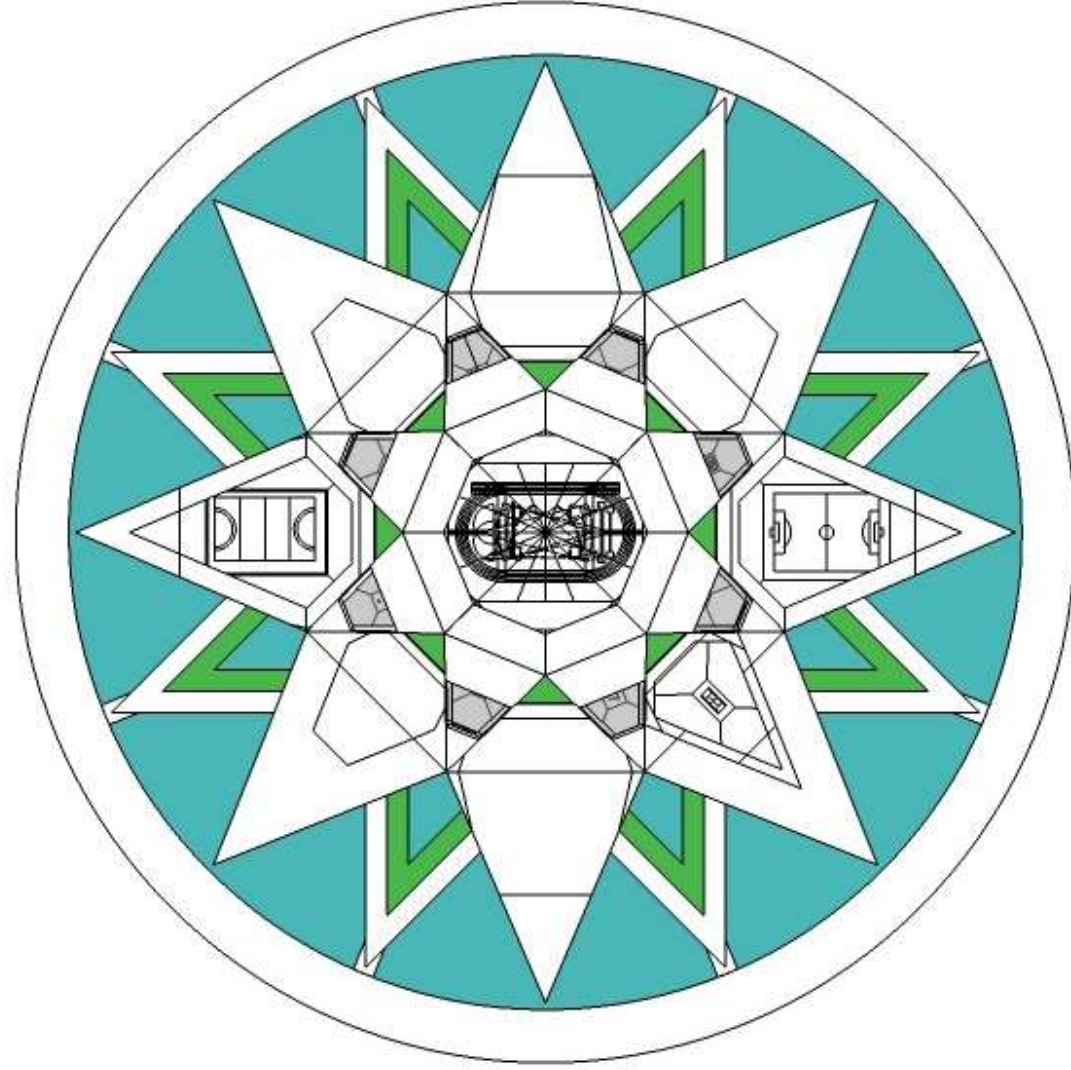
- 3) 4 large stadiums are preserved for the residence uses.

PUBLIC PARK:

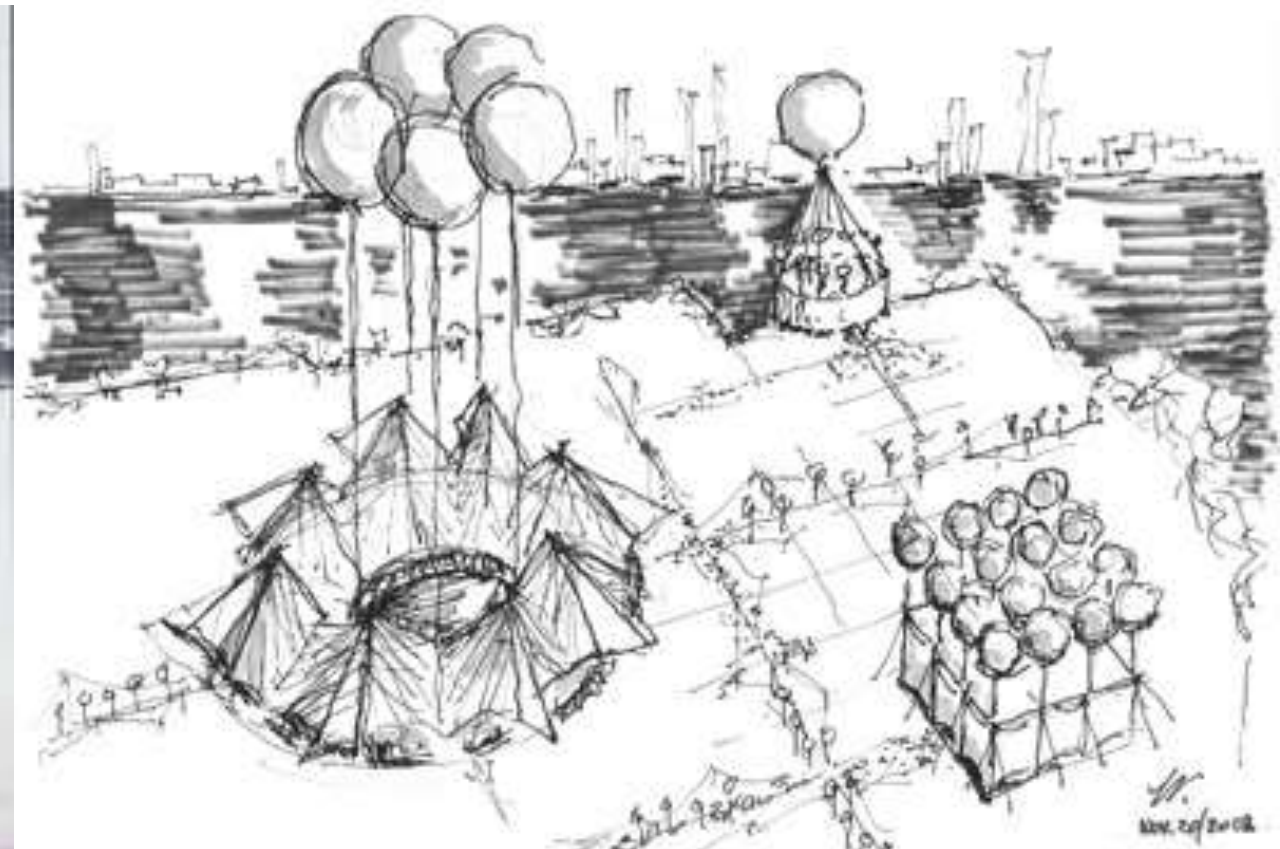
- 5) Abundant public parks in all functional clusters.







SOCIALFACT:
Russian National Stadium in Moscow



Colosseum vs Circus

IEAAU, June 2013

<http://www.east-asia-architecture.org/aotm/index.html>





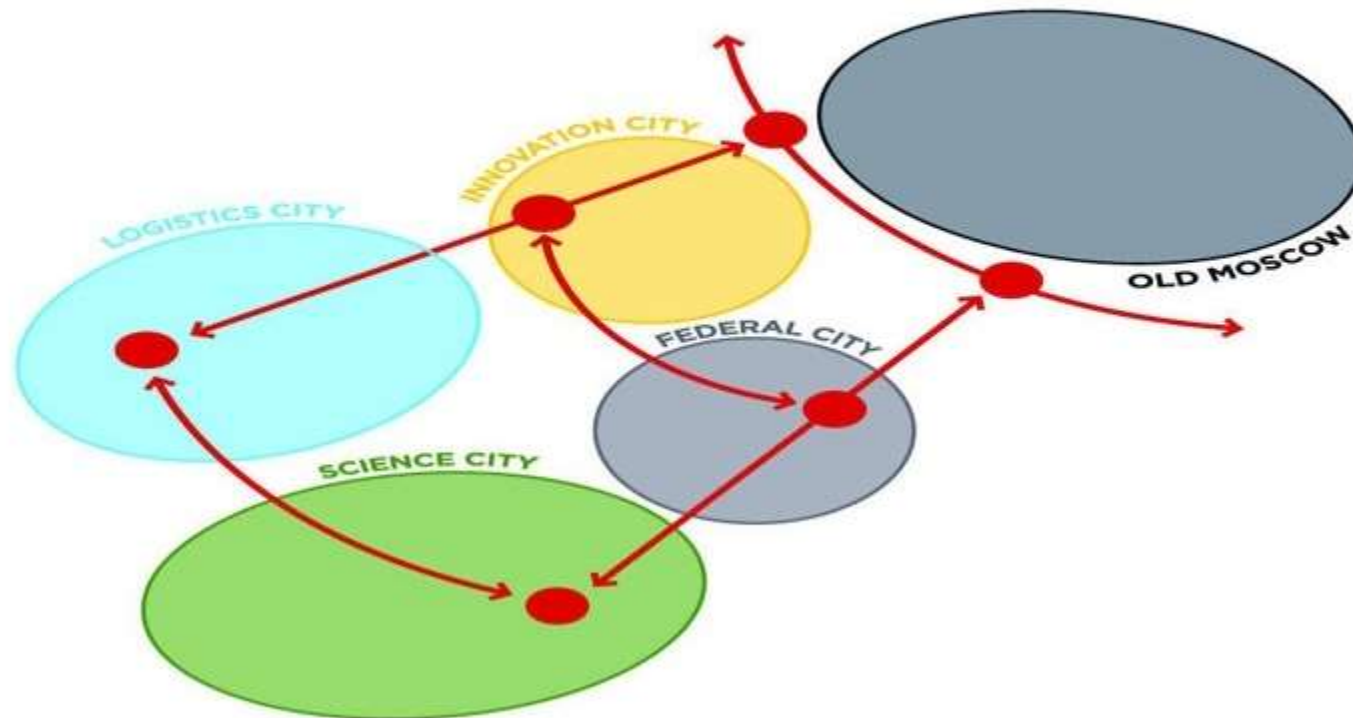


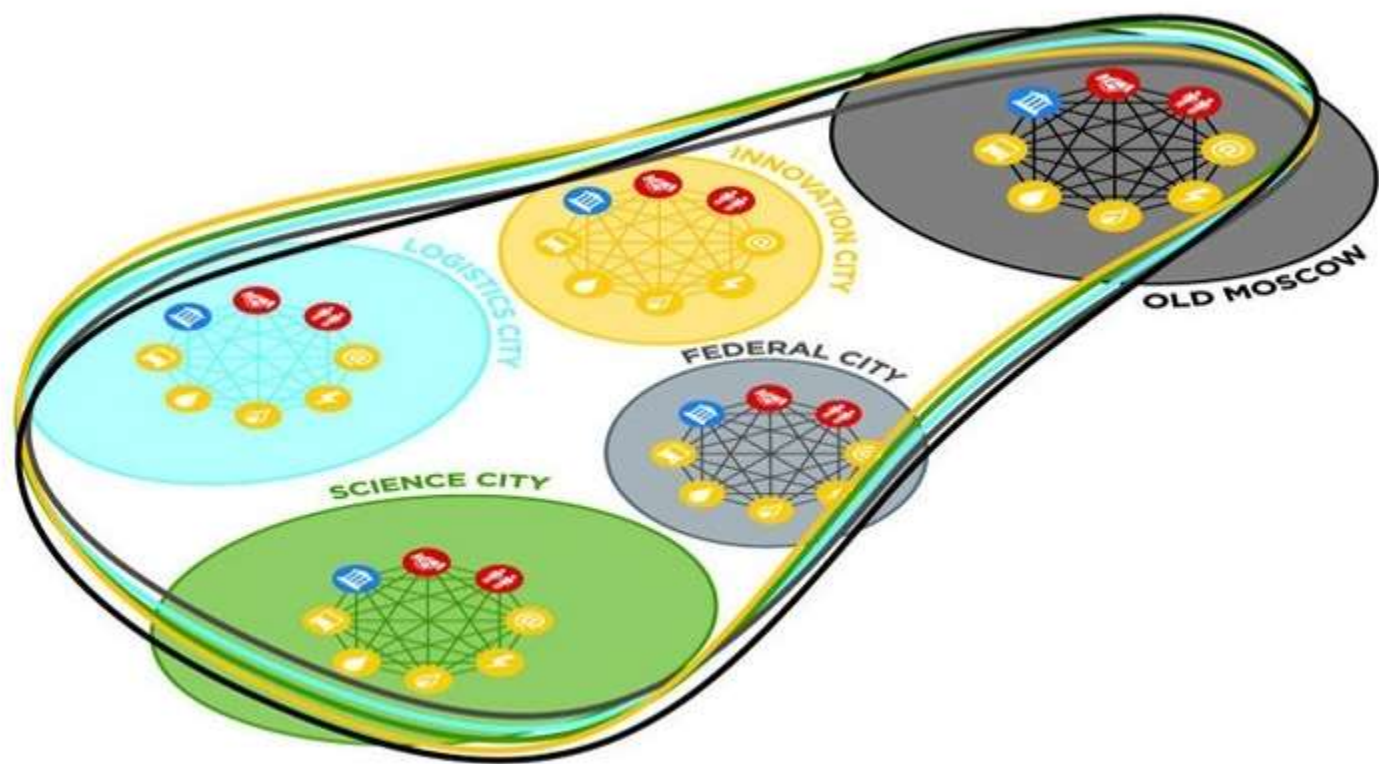


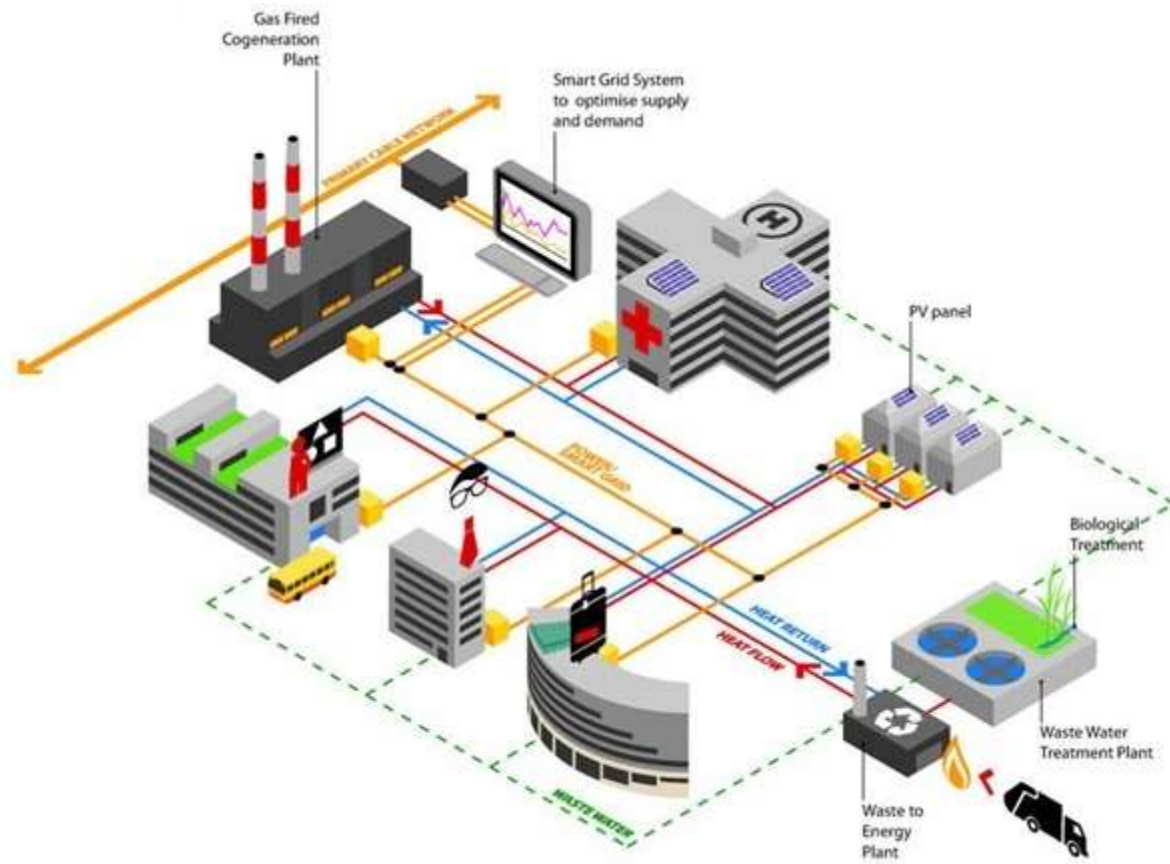


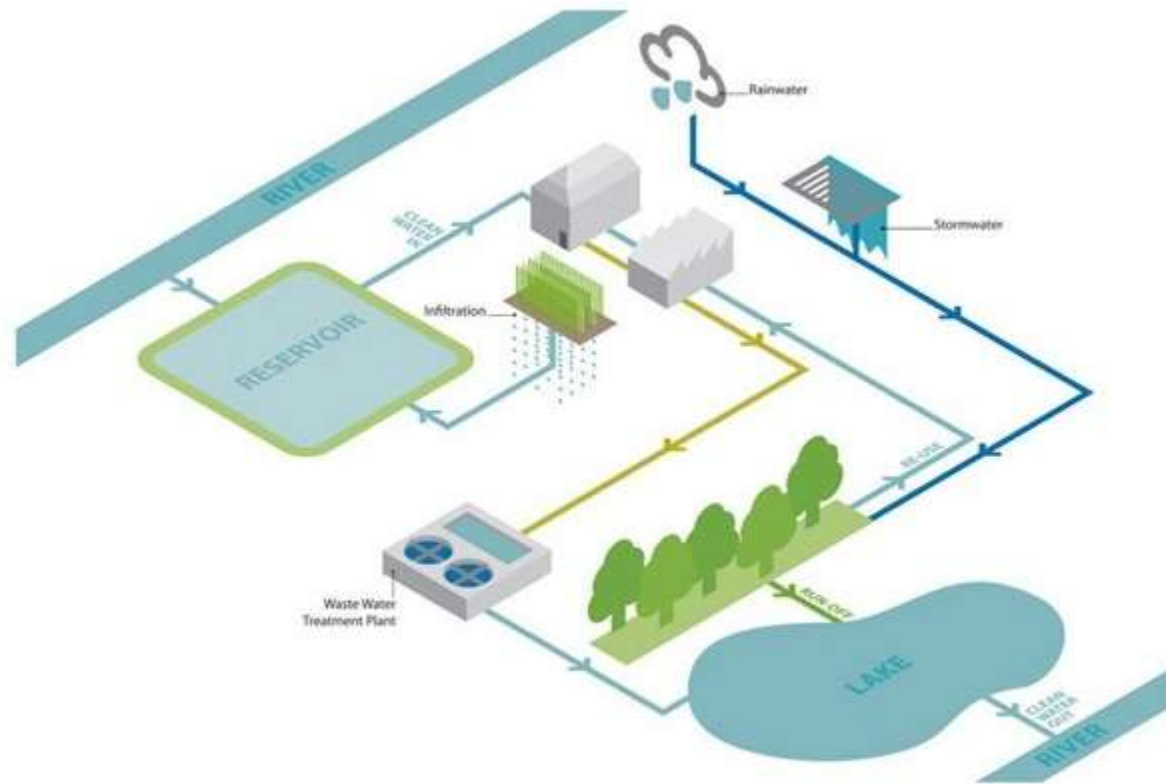
Primary Utilities Substation

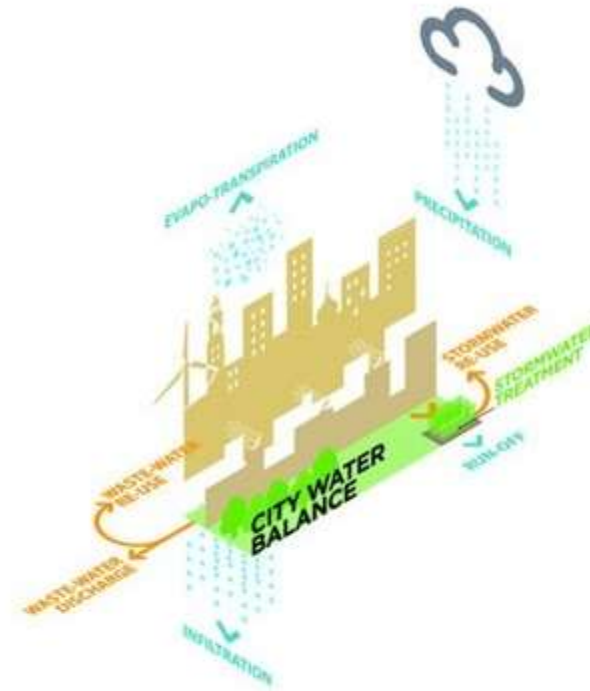
Primary Utilities Network
(Power + Gas + Data/telecom)

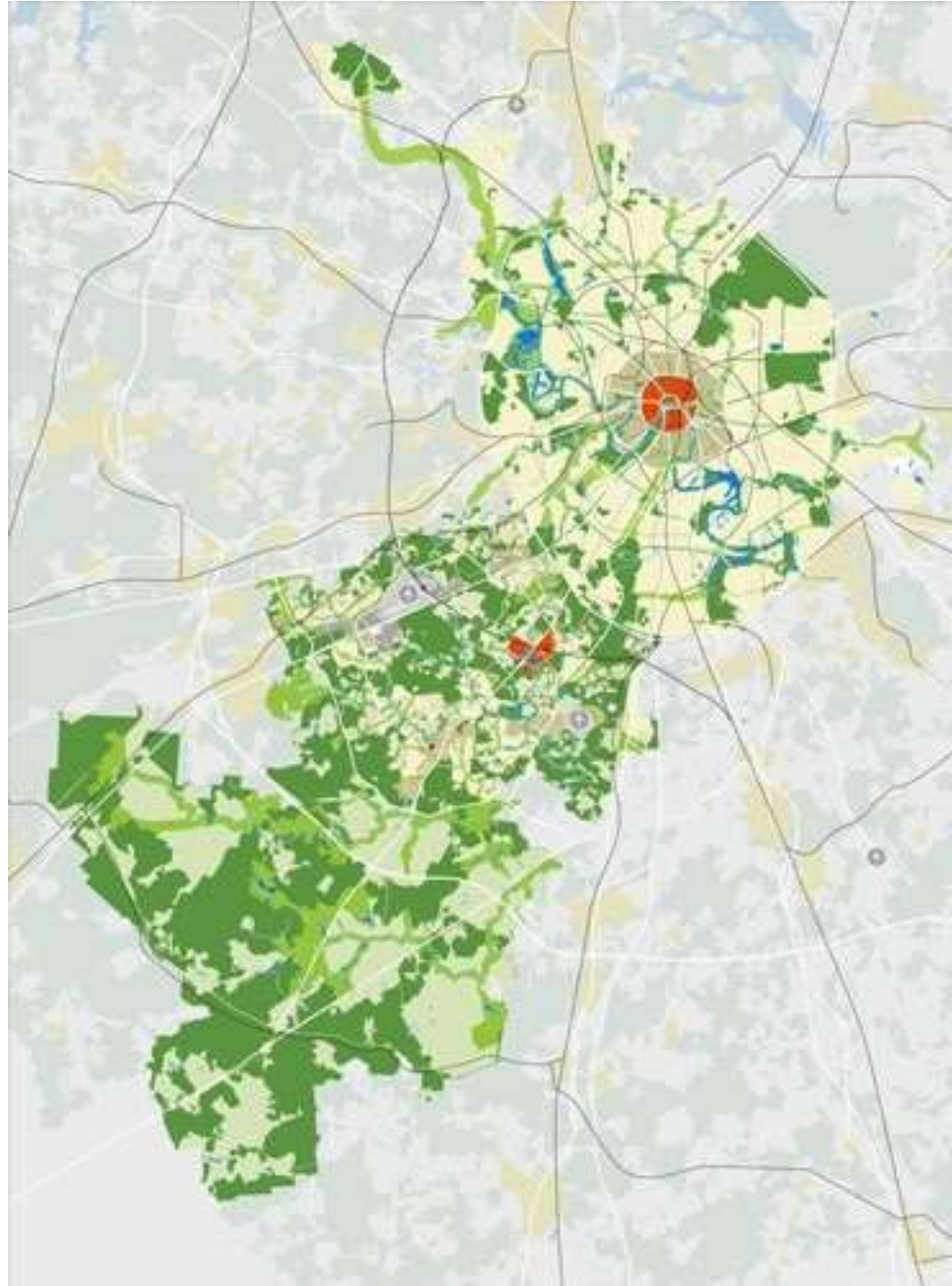


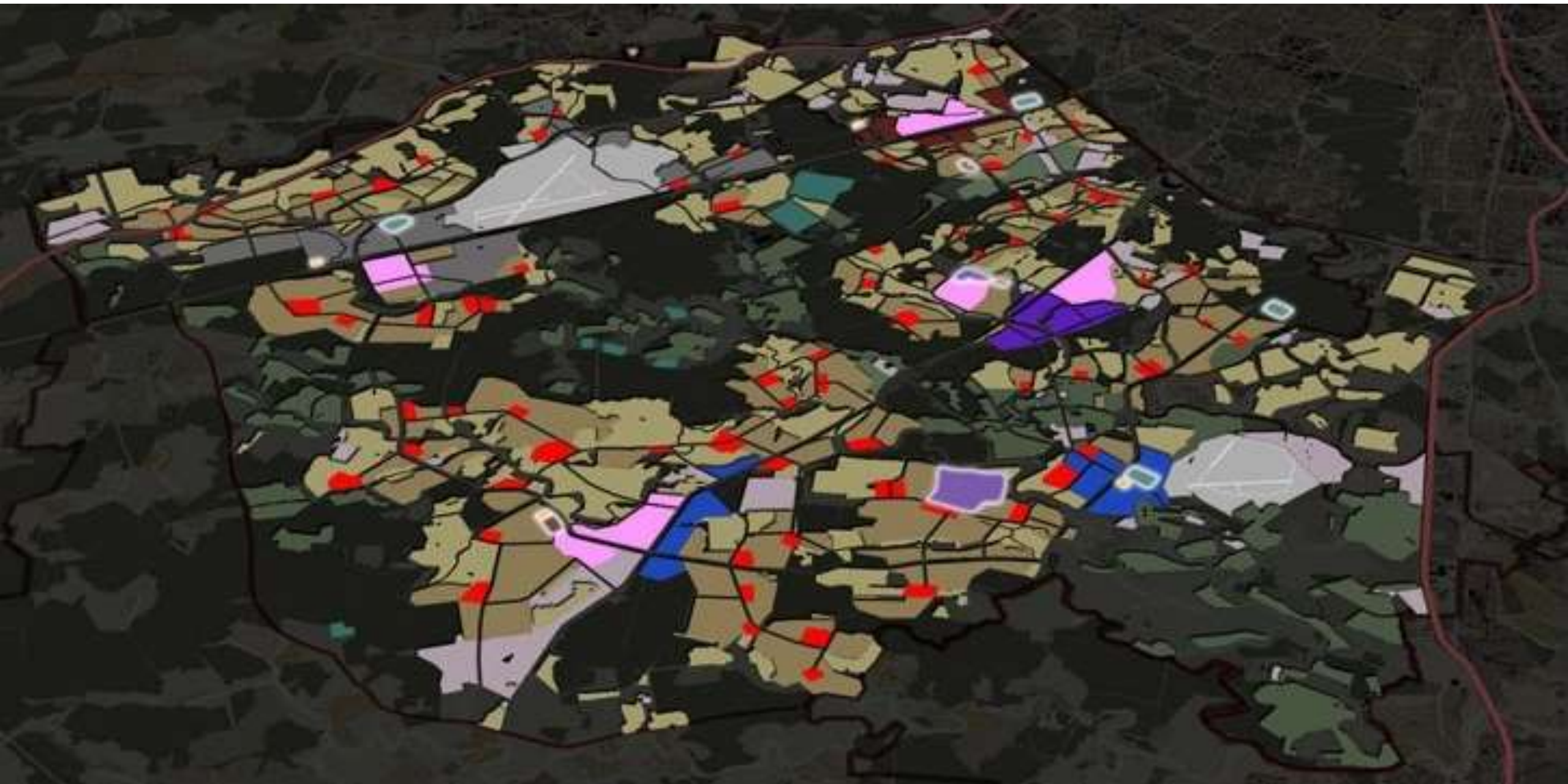








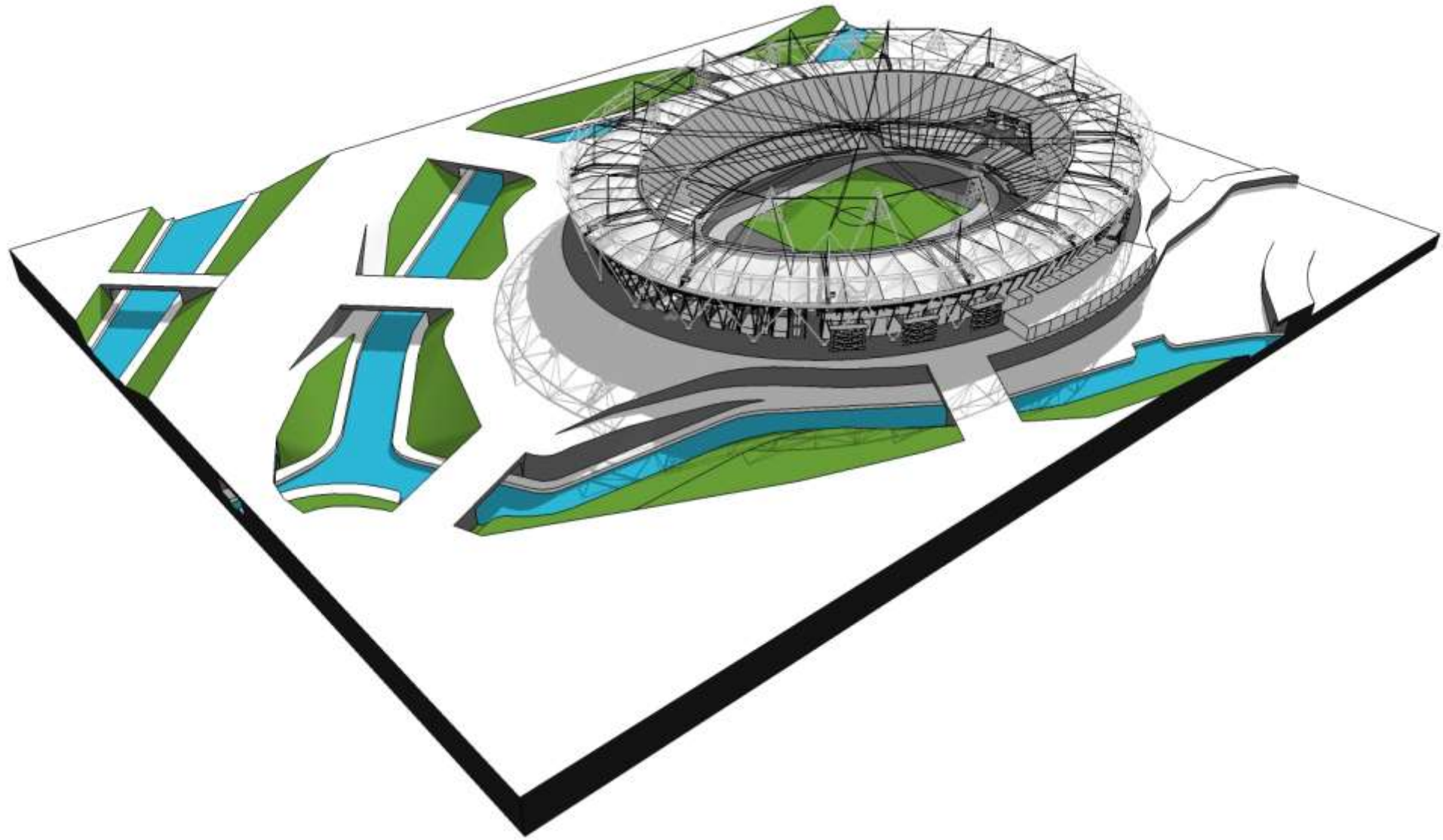




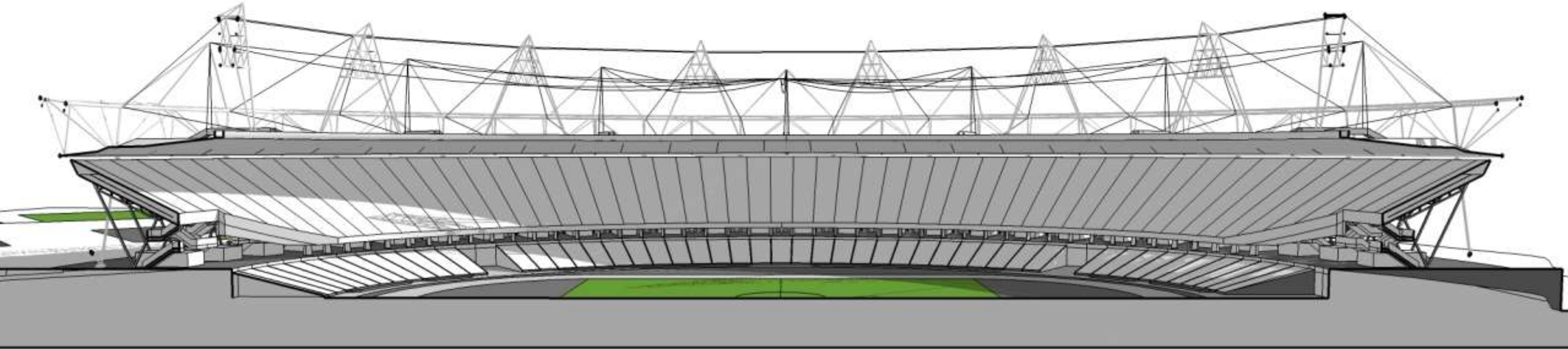




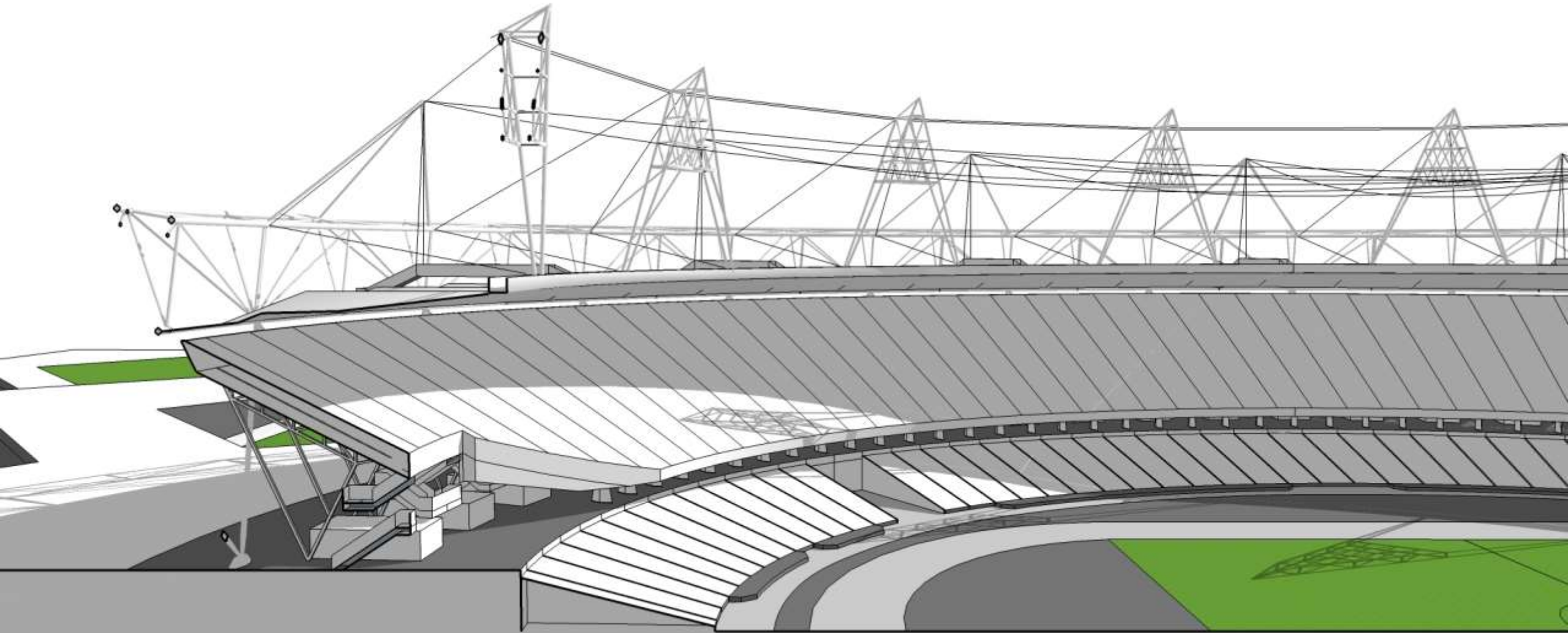
Learning from London



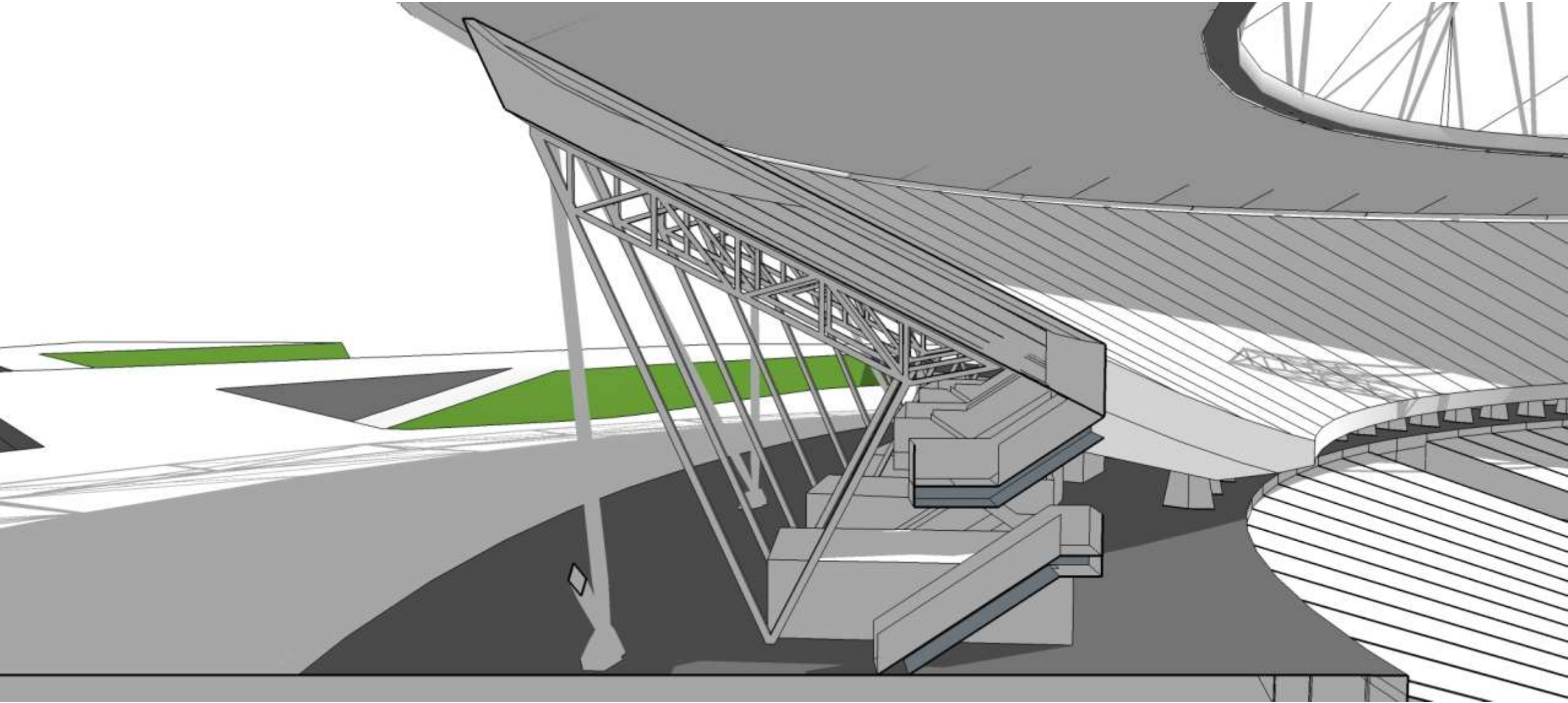
Learning from London



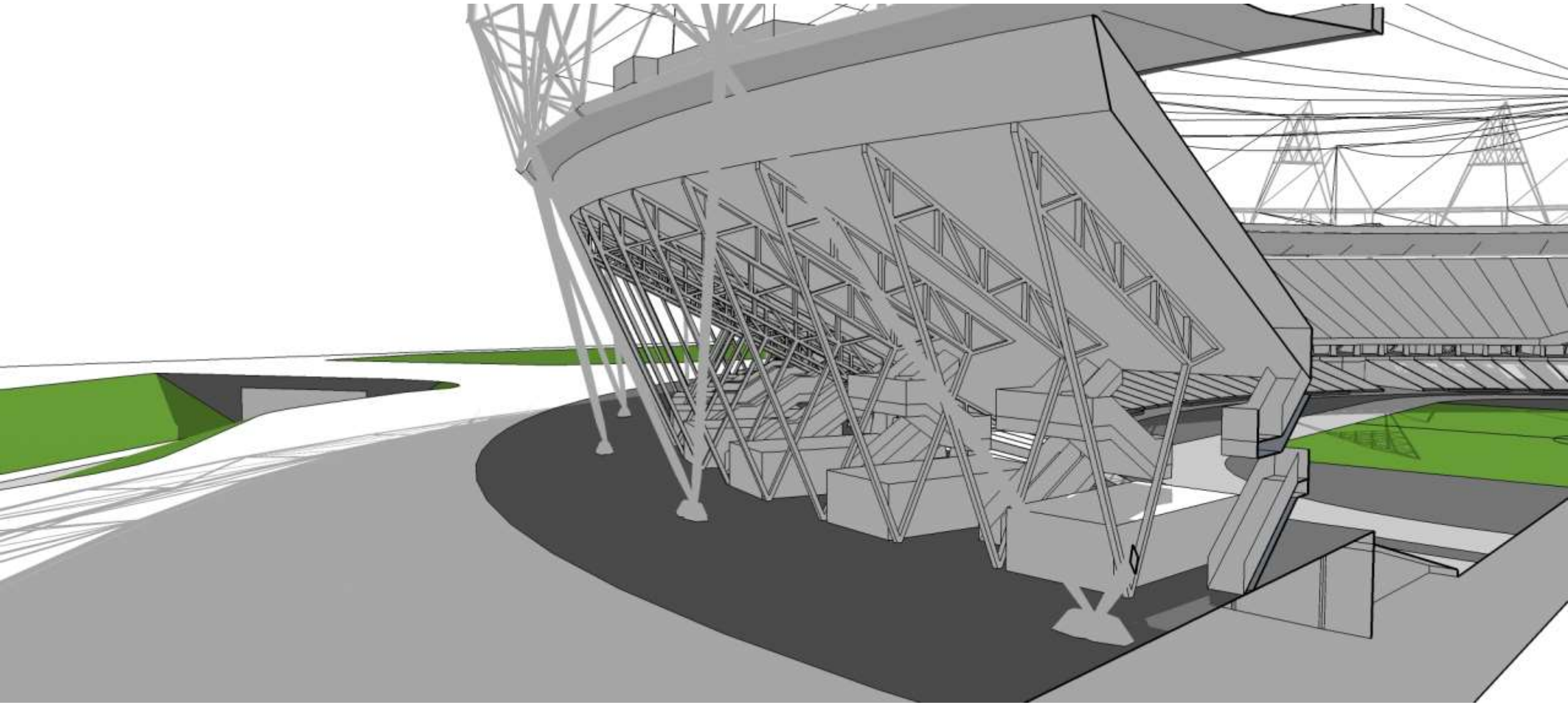
Learning from London



Learning from London

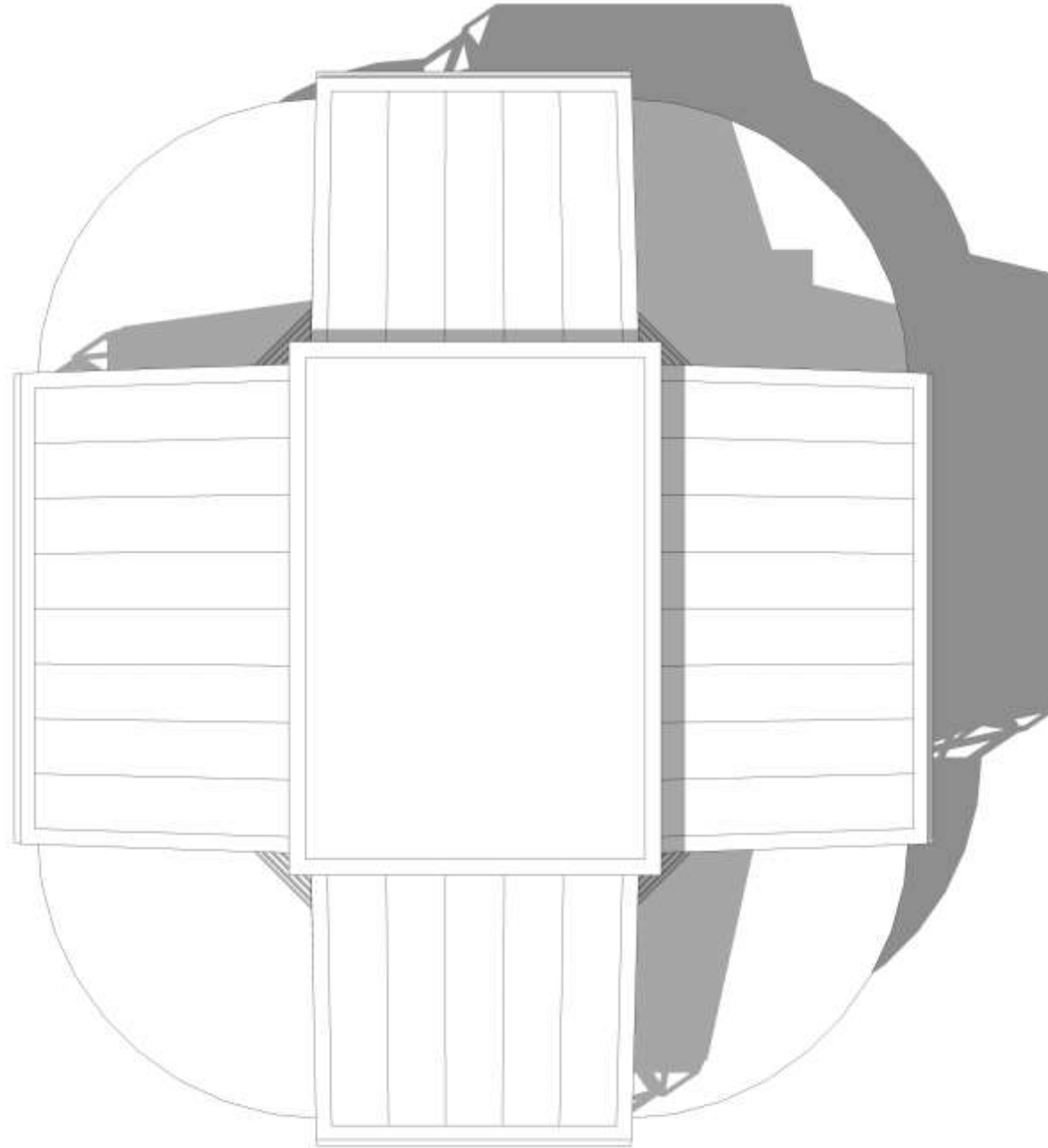


Learning from London

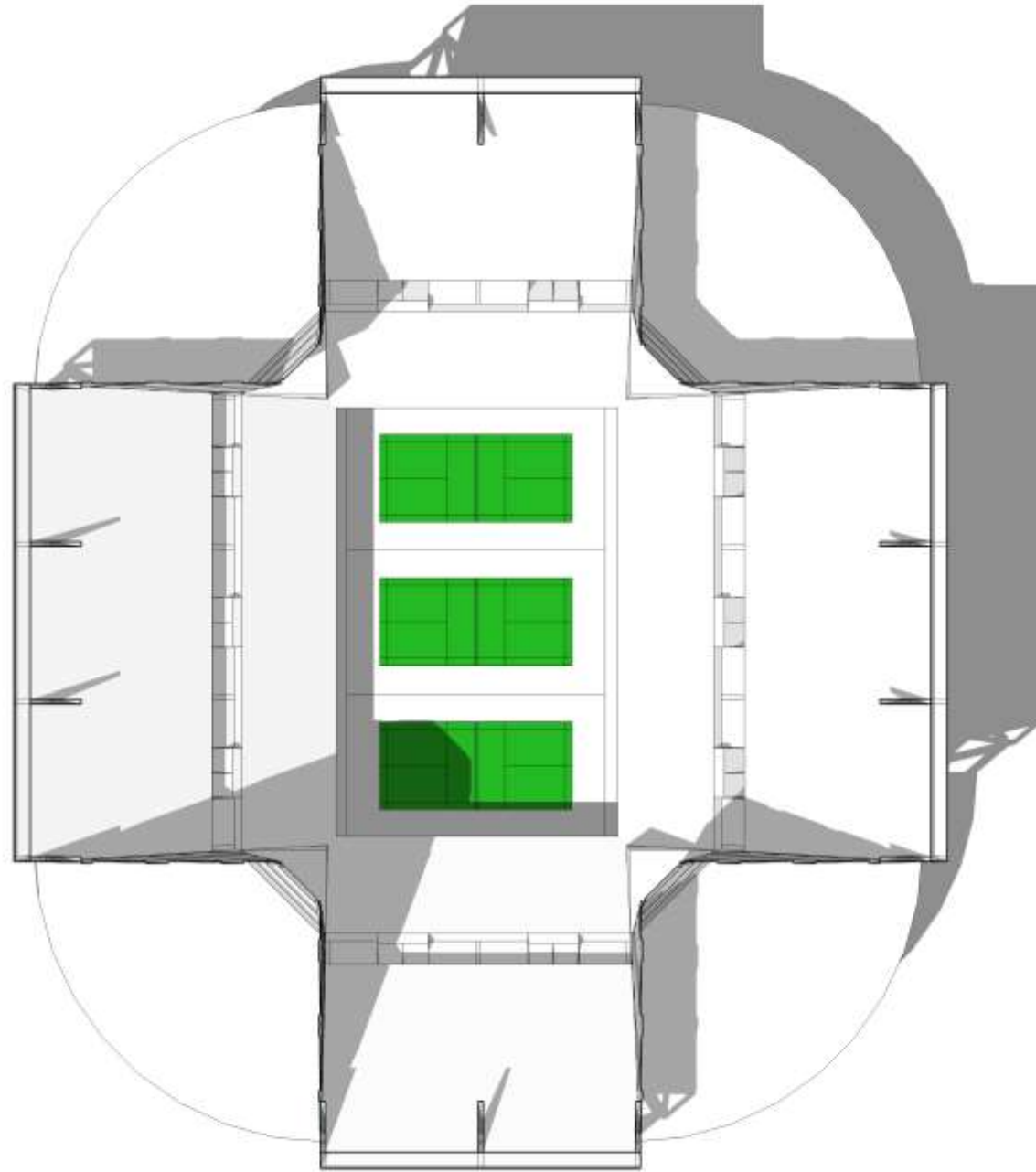


NEW CONFIGURATIONS

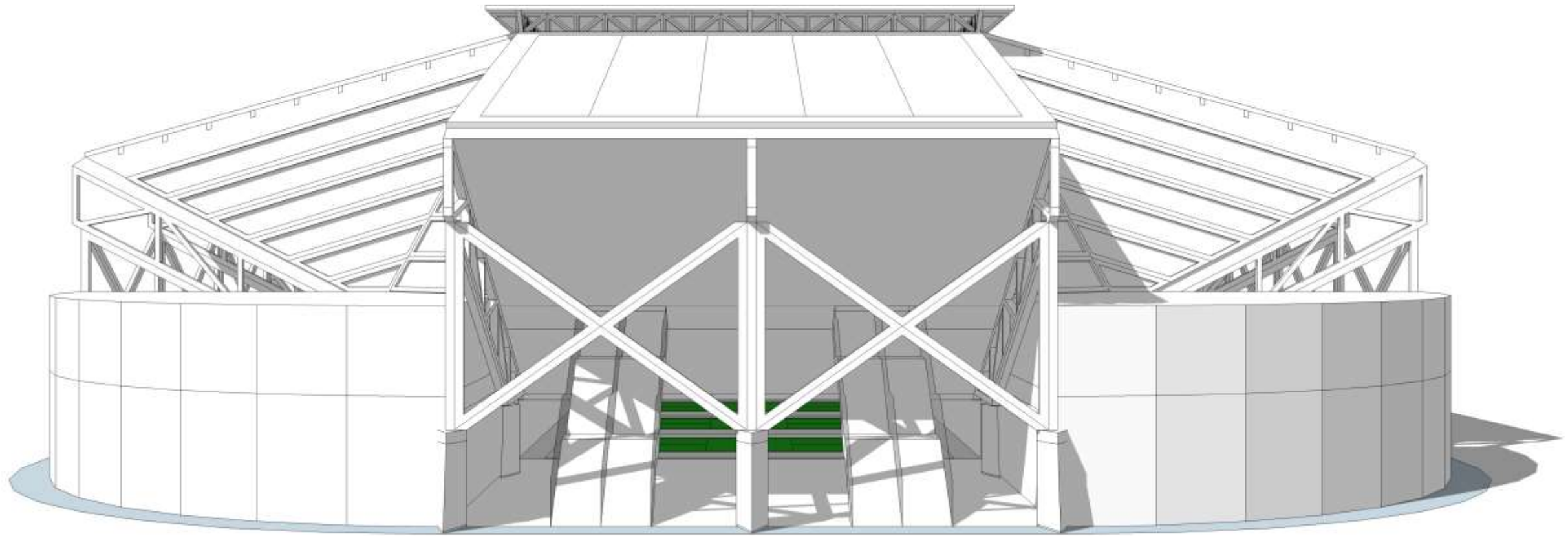
8S Stadium



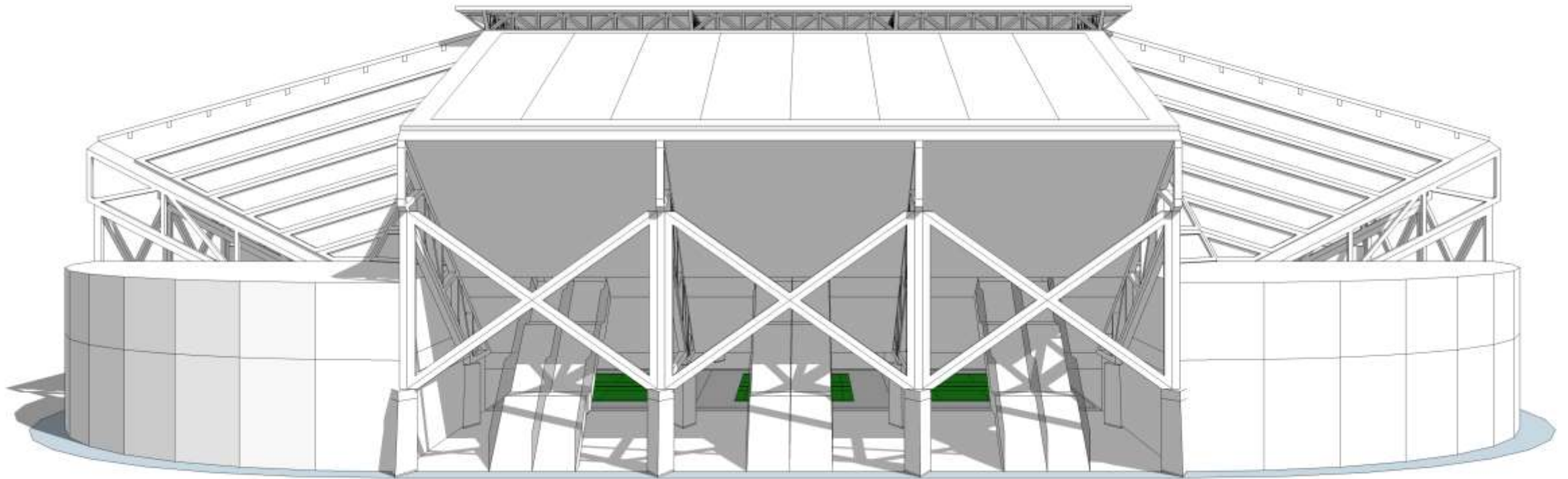
8S Stadium



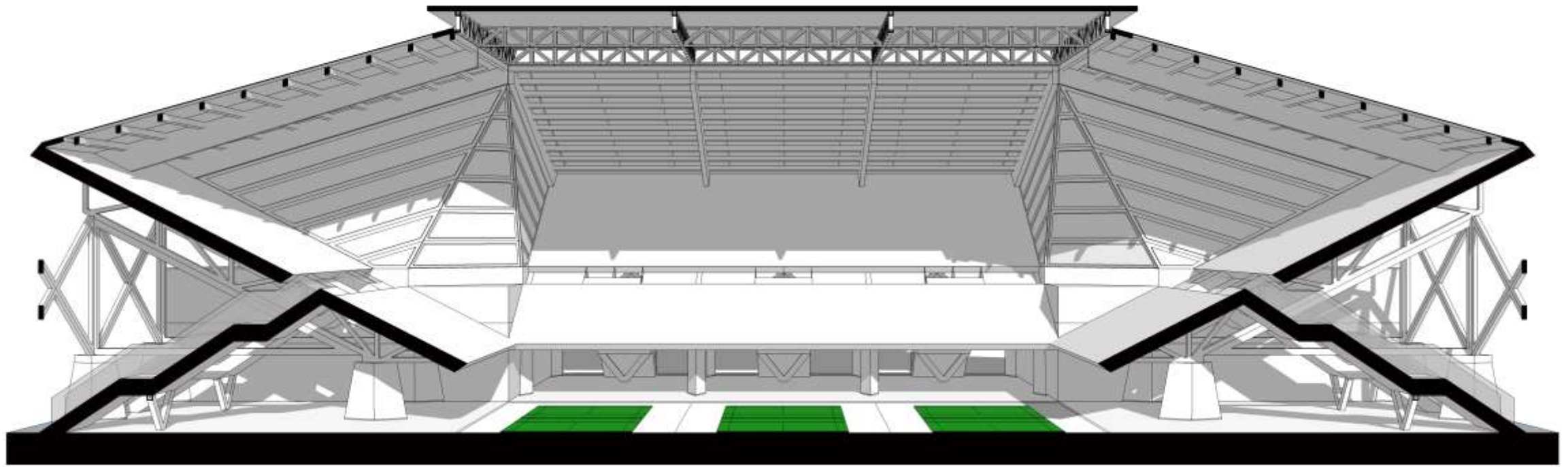
8S Stadium



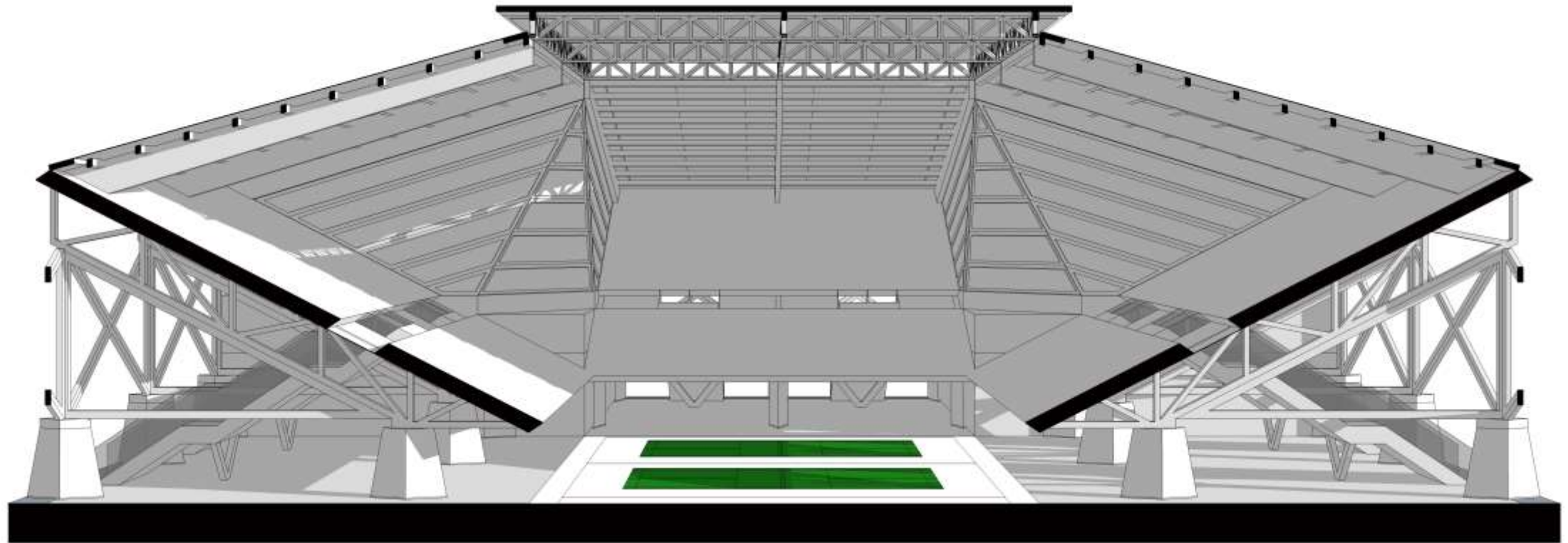
8S Stadium



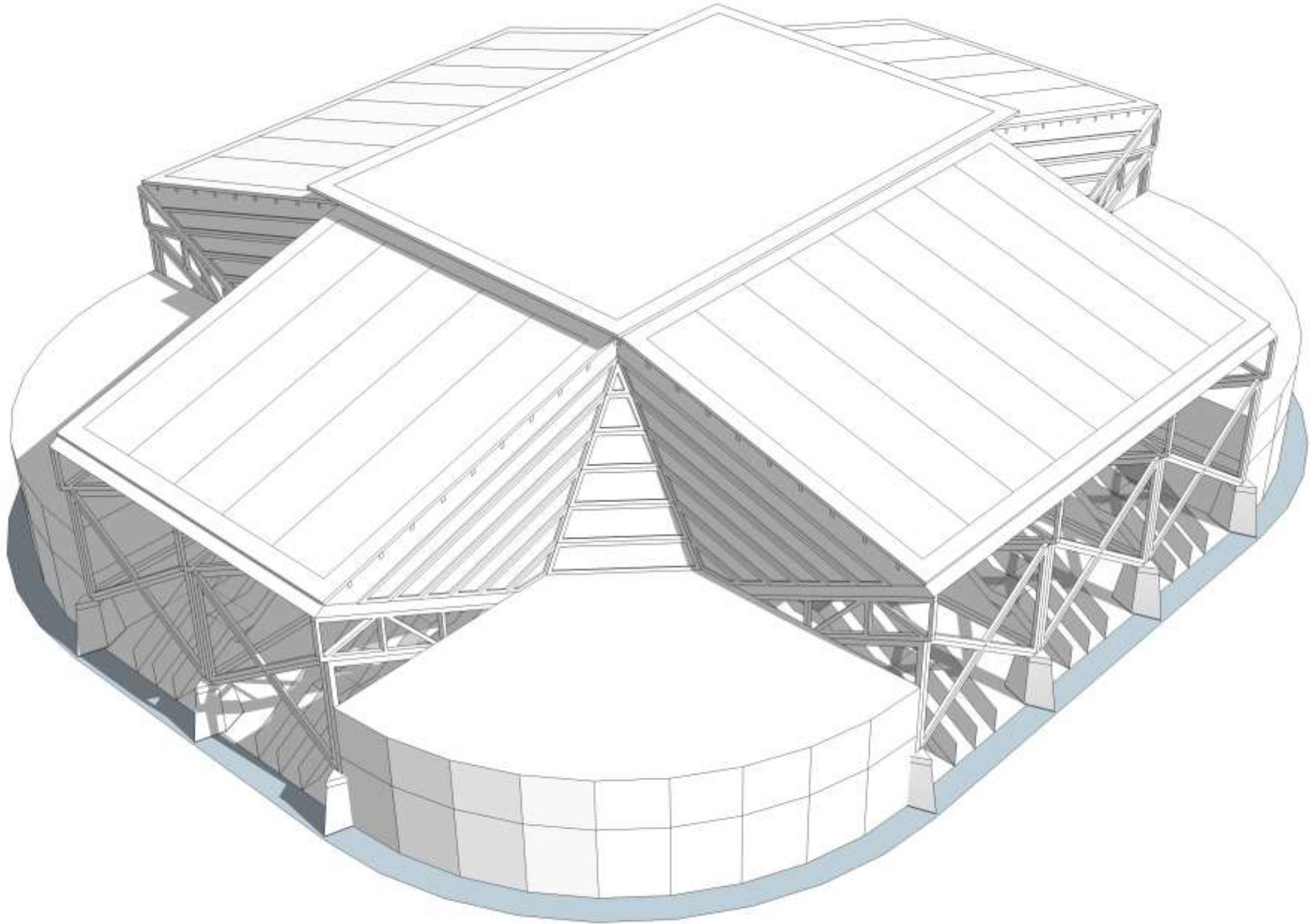
8S Stadium



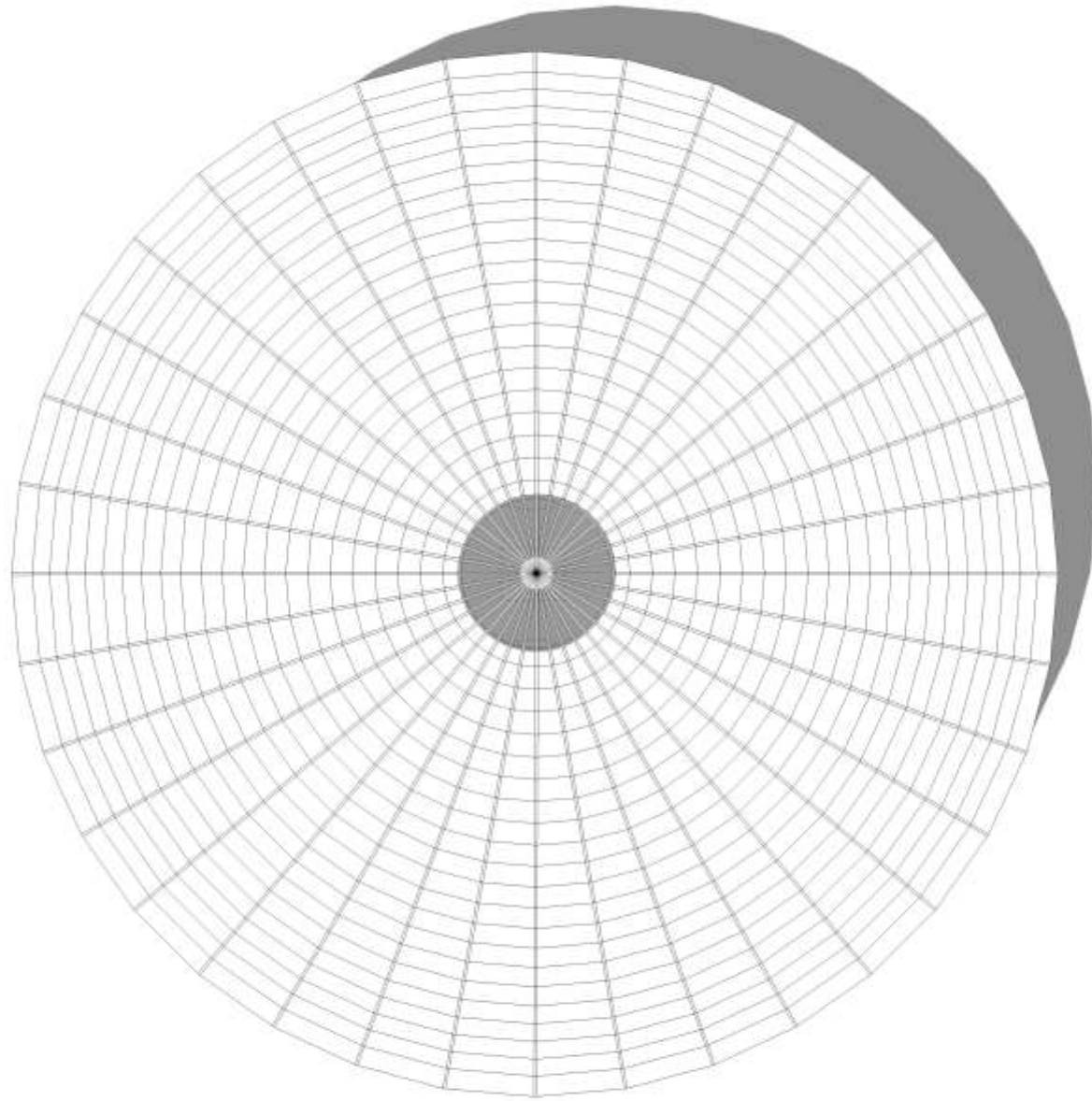
8S Stadium



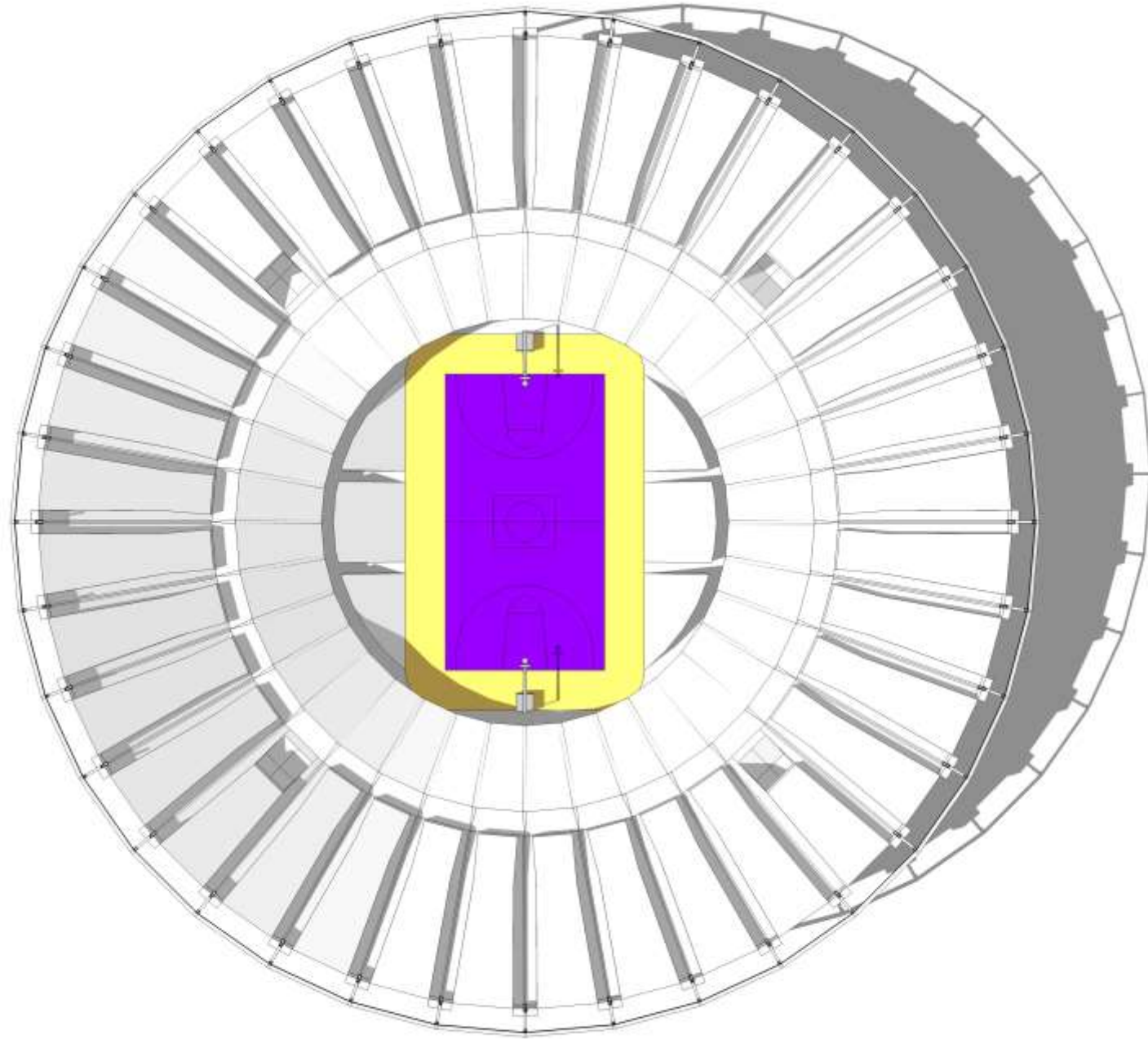
8S Stadium



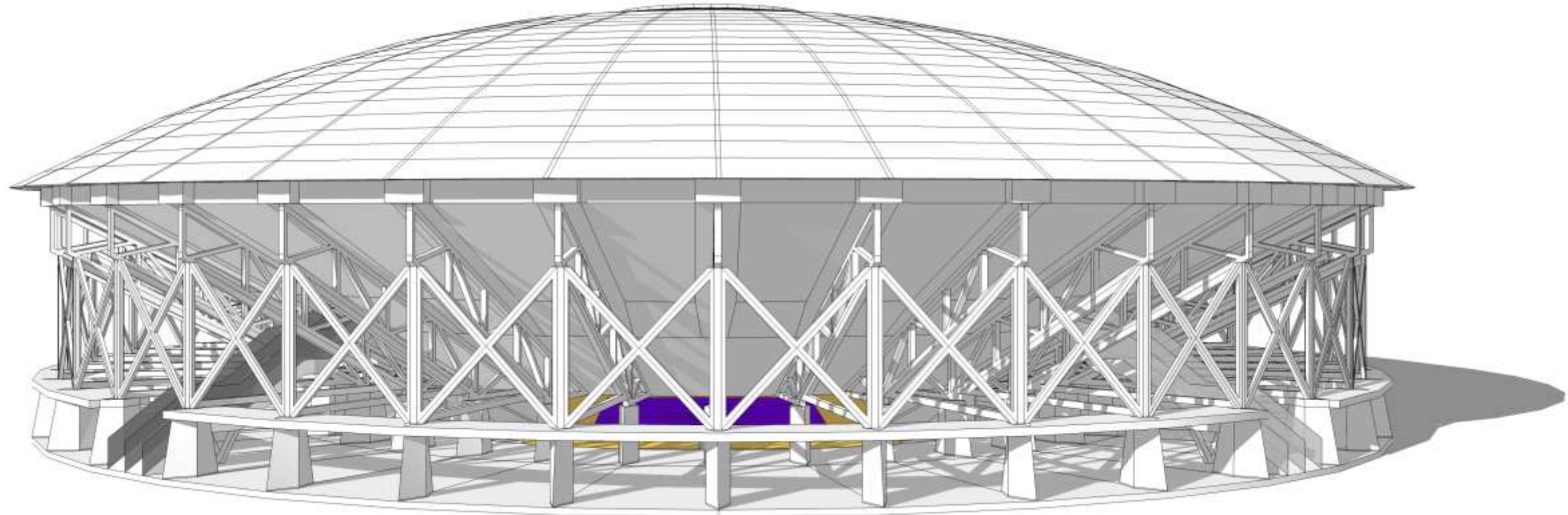
4M Stadium



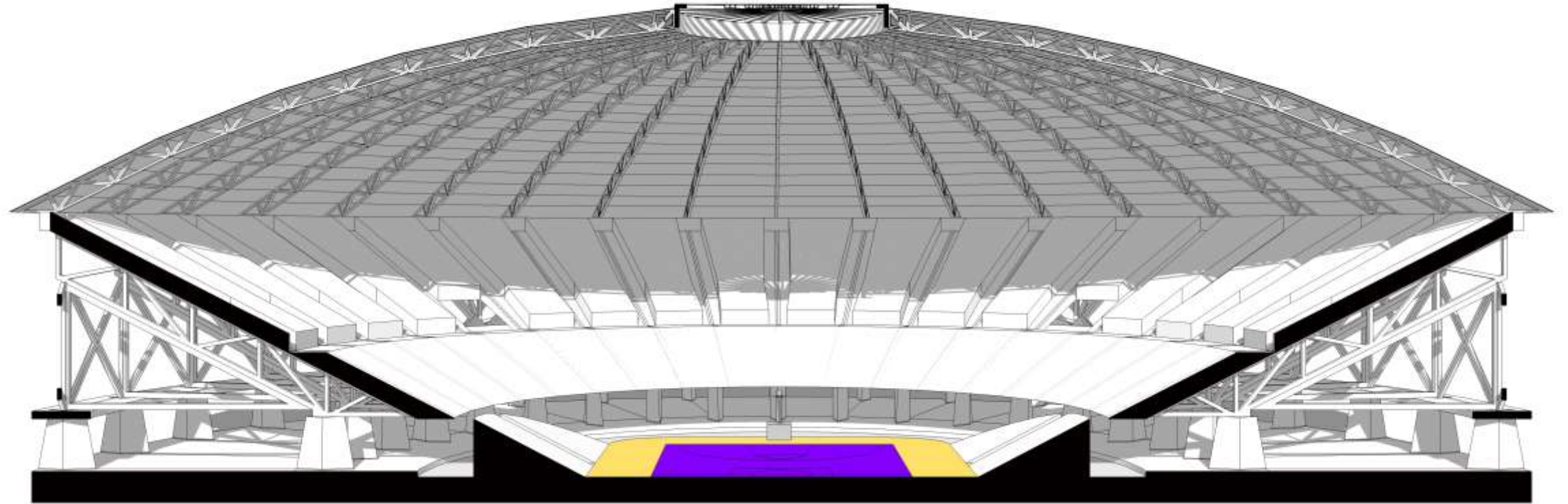
4M Stadium



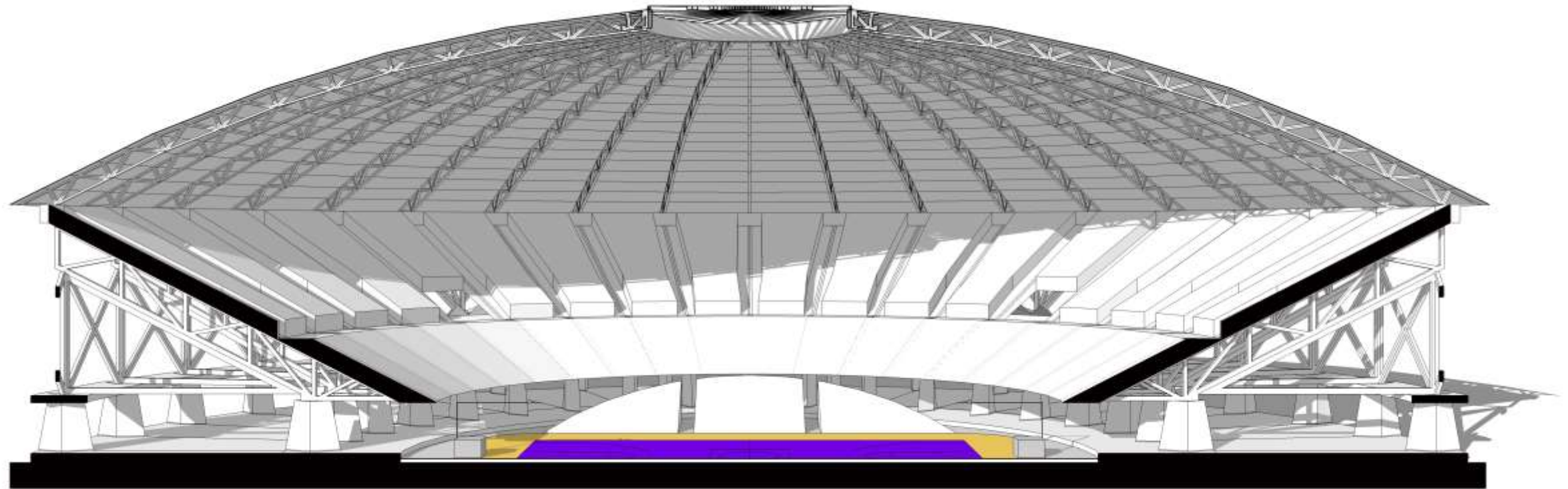
4M Stadium



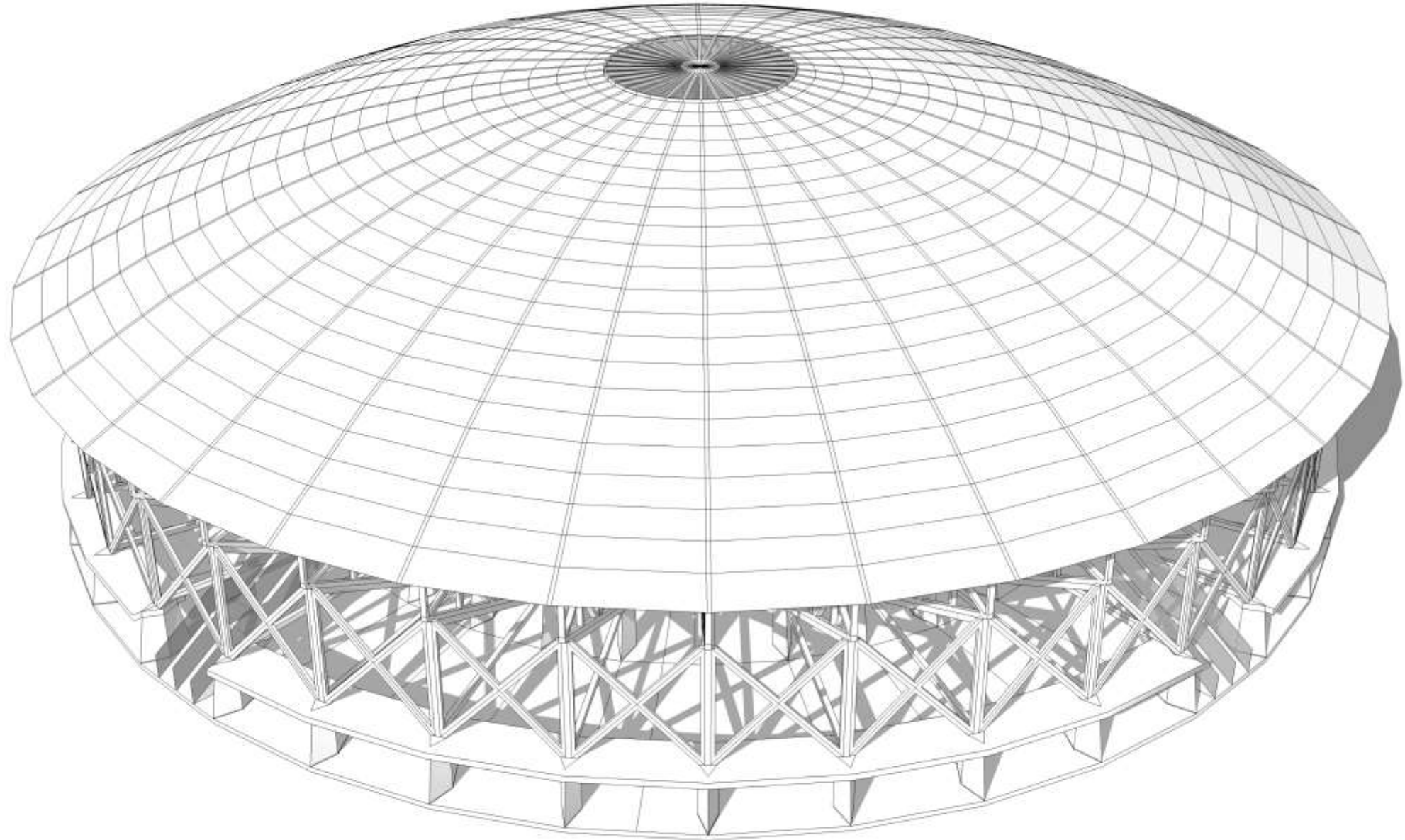
4M Stadium



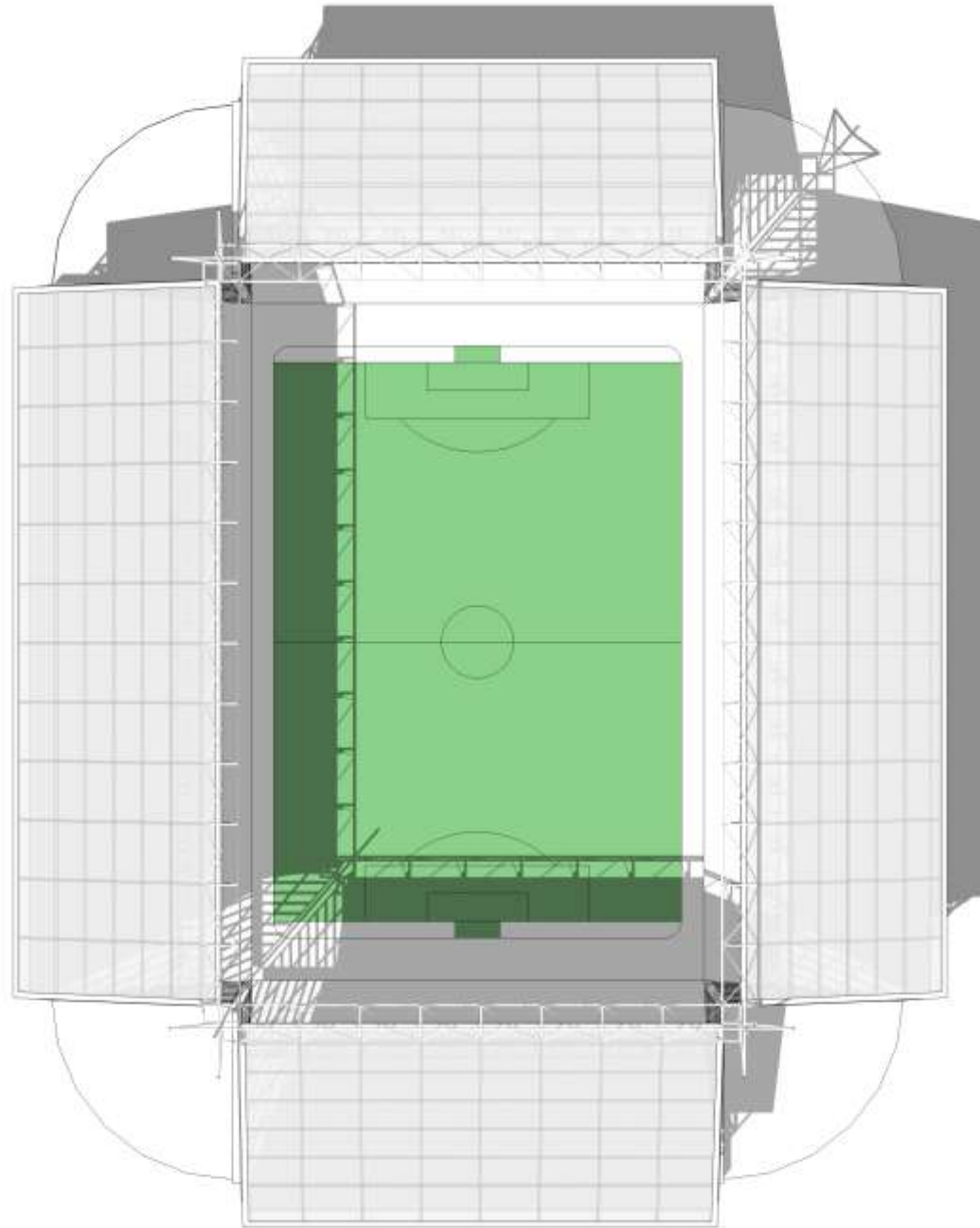
4M Stadium



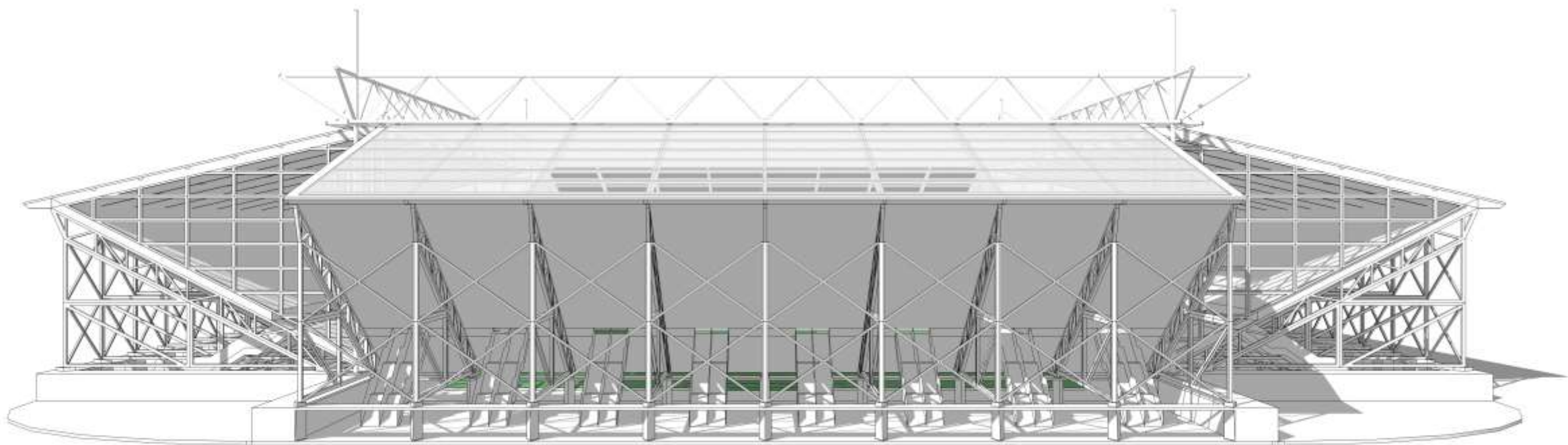
4M Stadium



4L Stadium



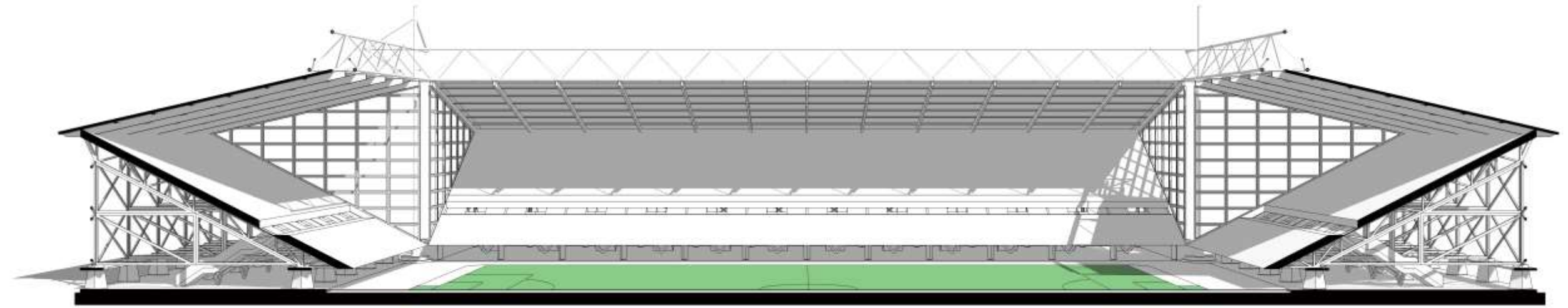
4L Stadium



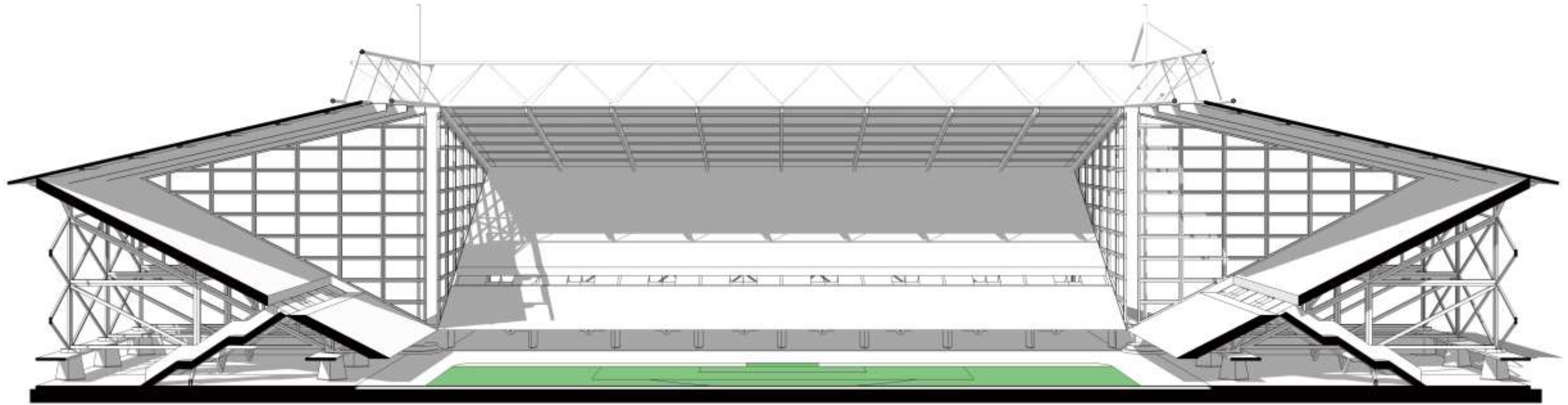
4L Stadium



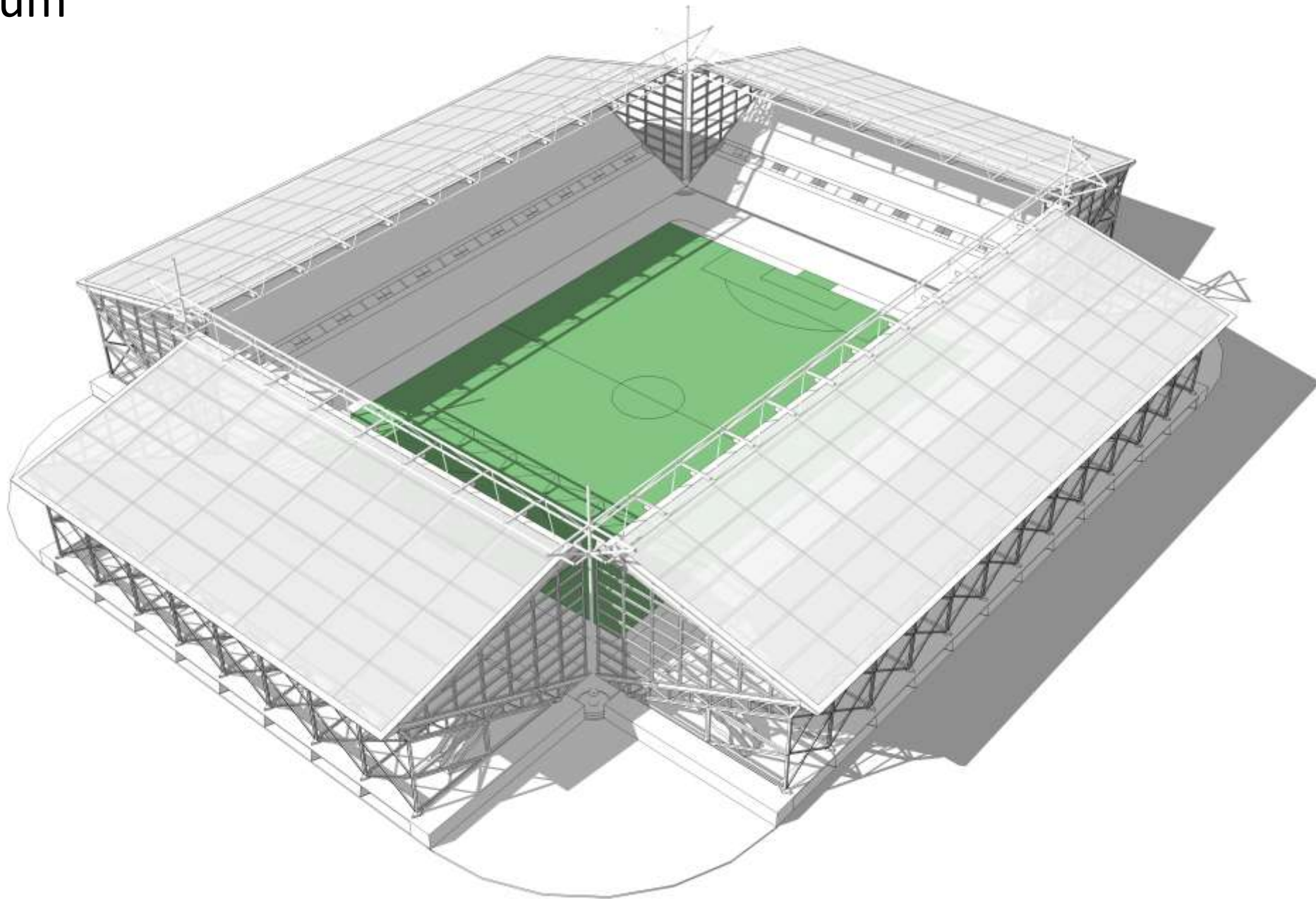
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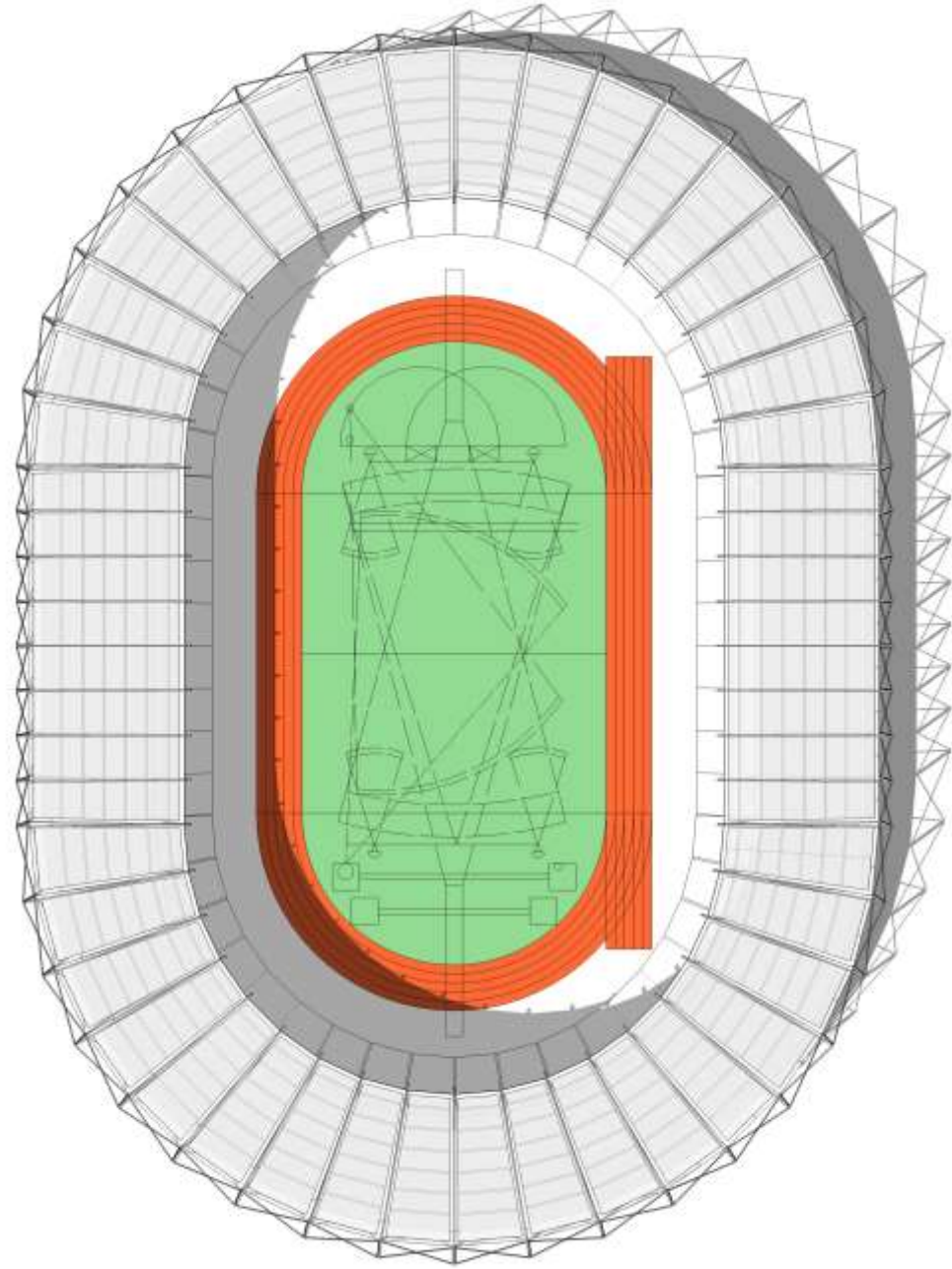
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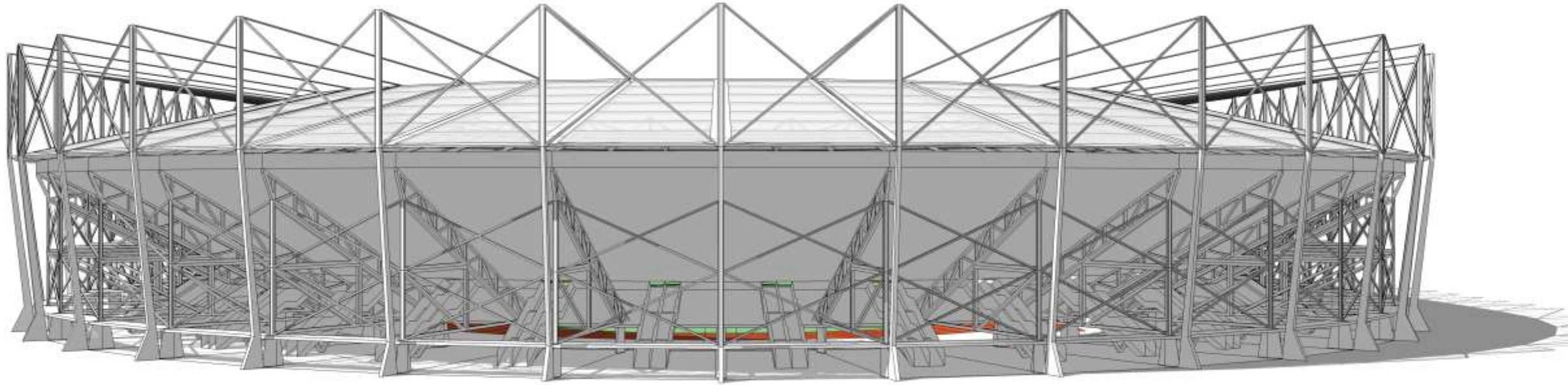
4L Stadium



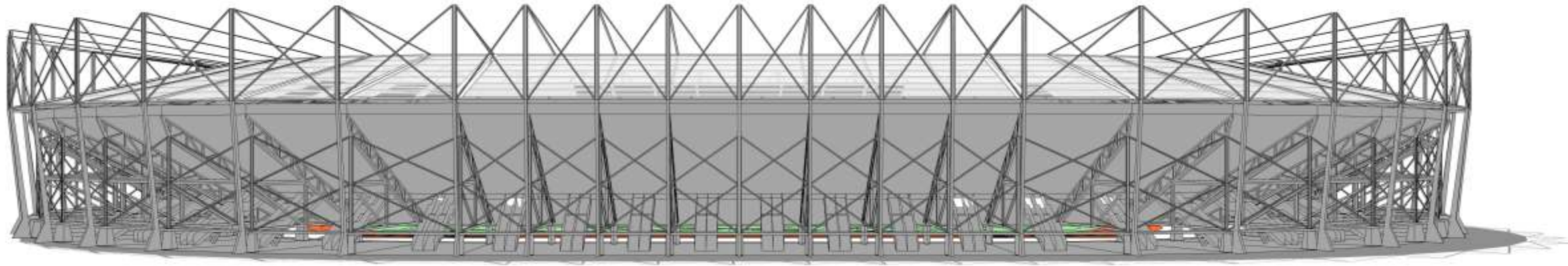
XL Stadium



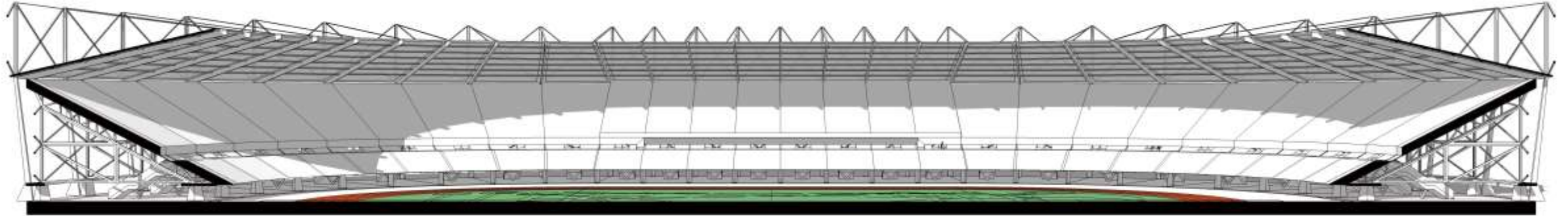
XL Stadium



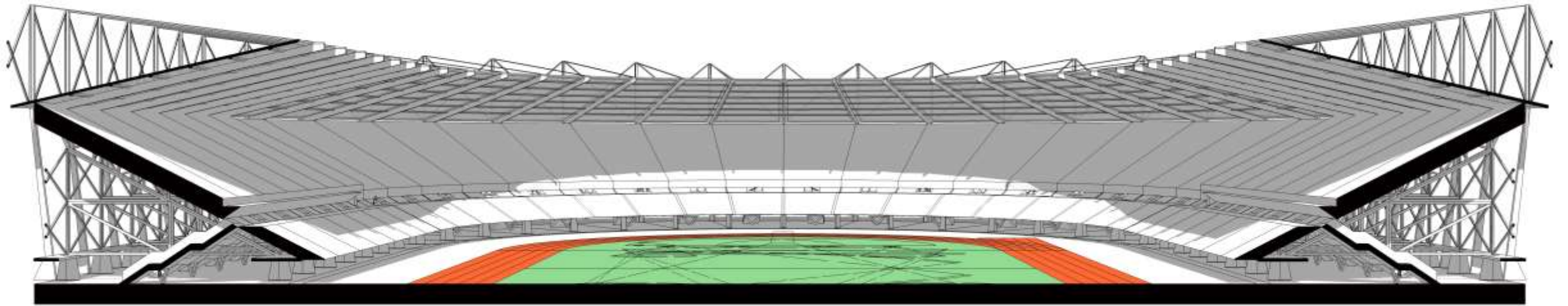
XL Stadium



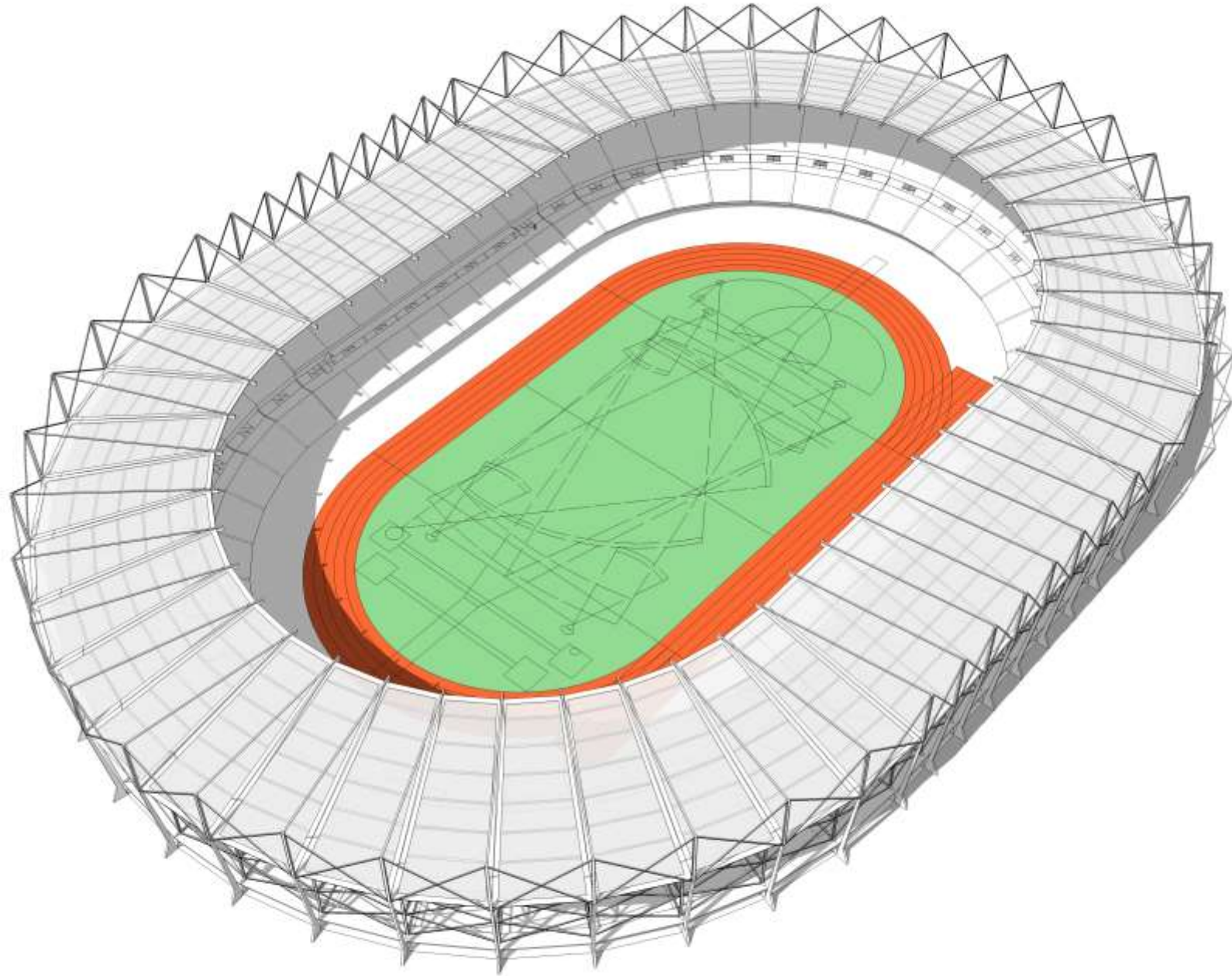
XL Stadium



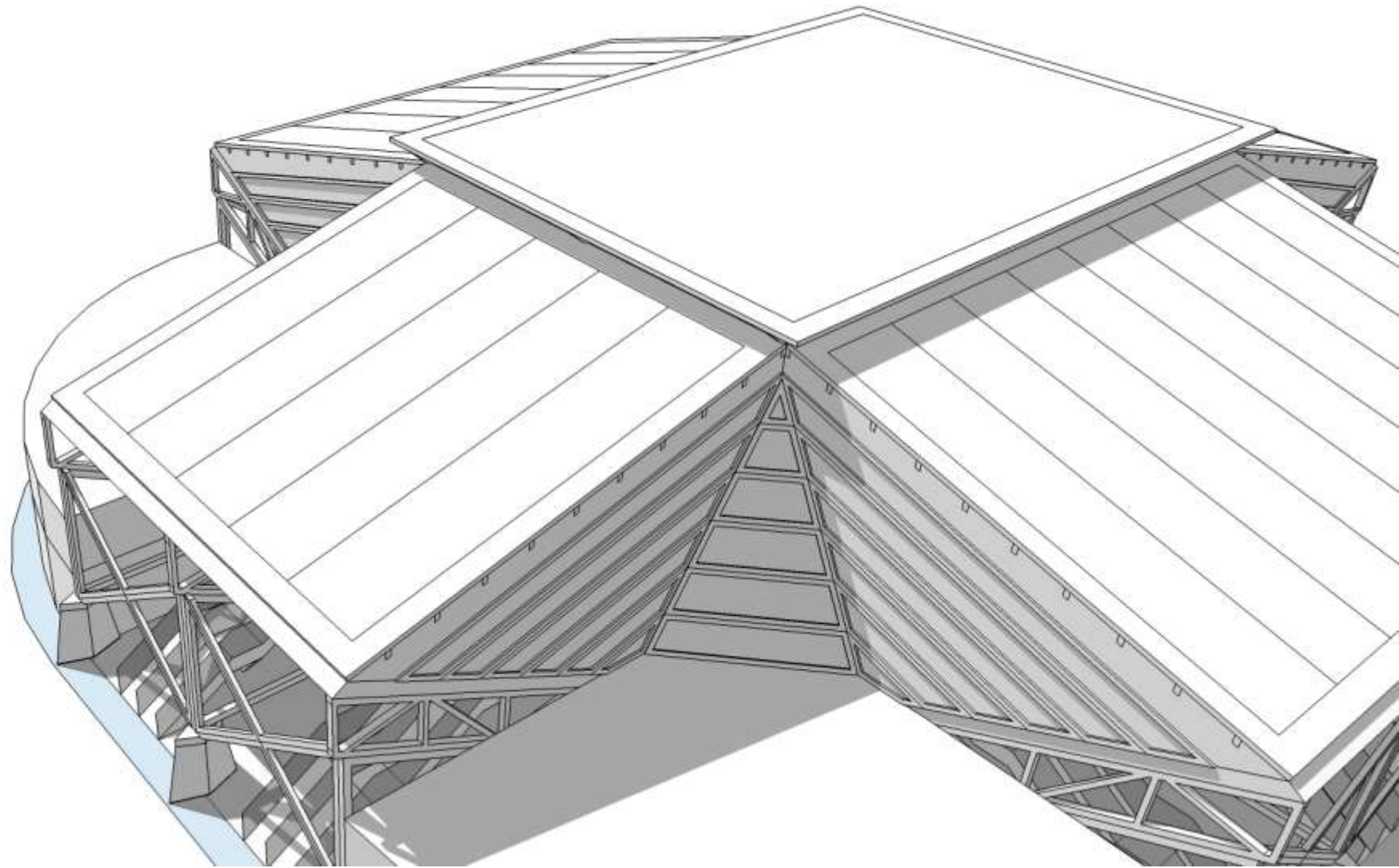
XL Stadium



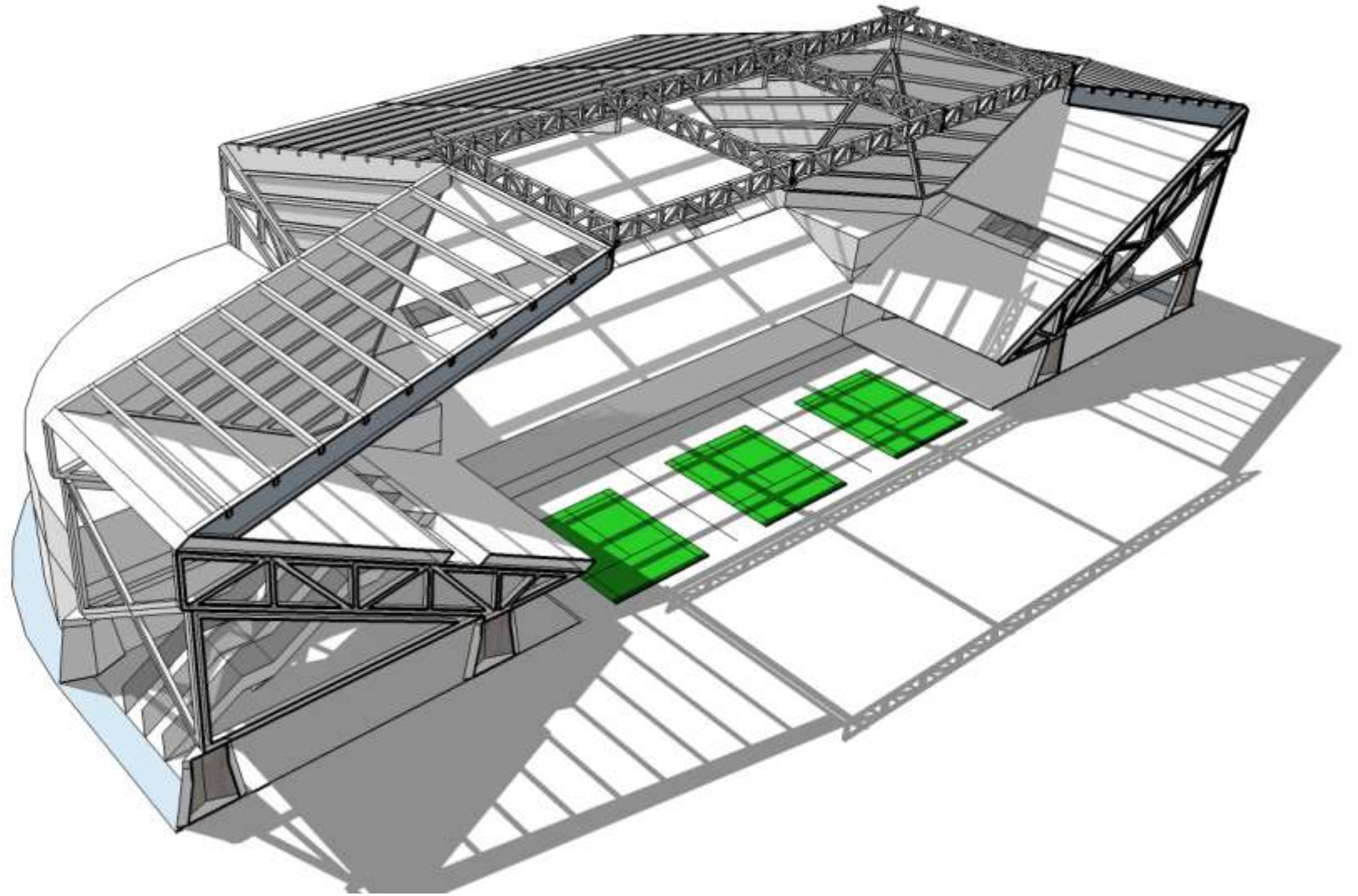
XL Stadium



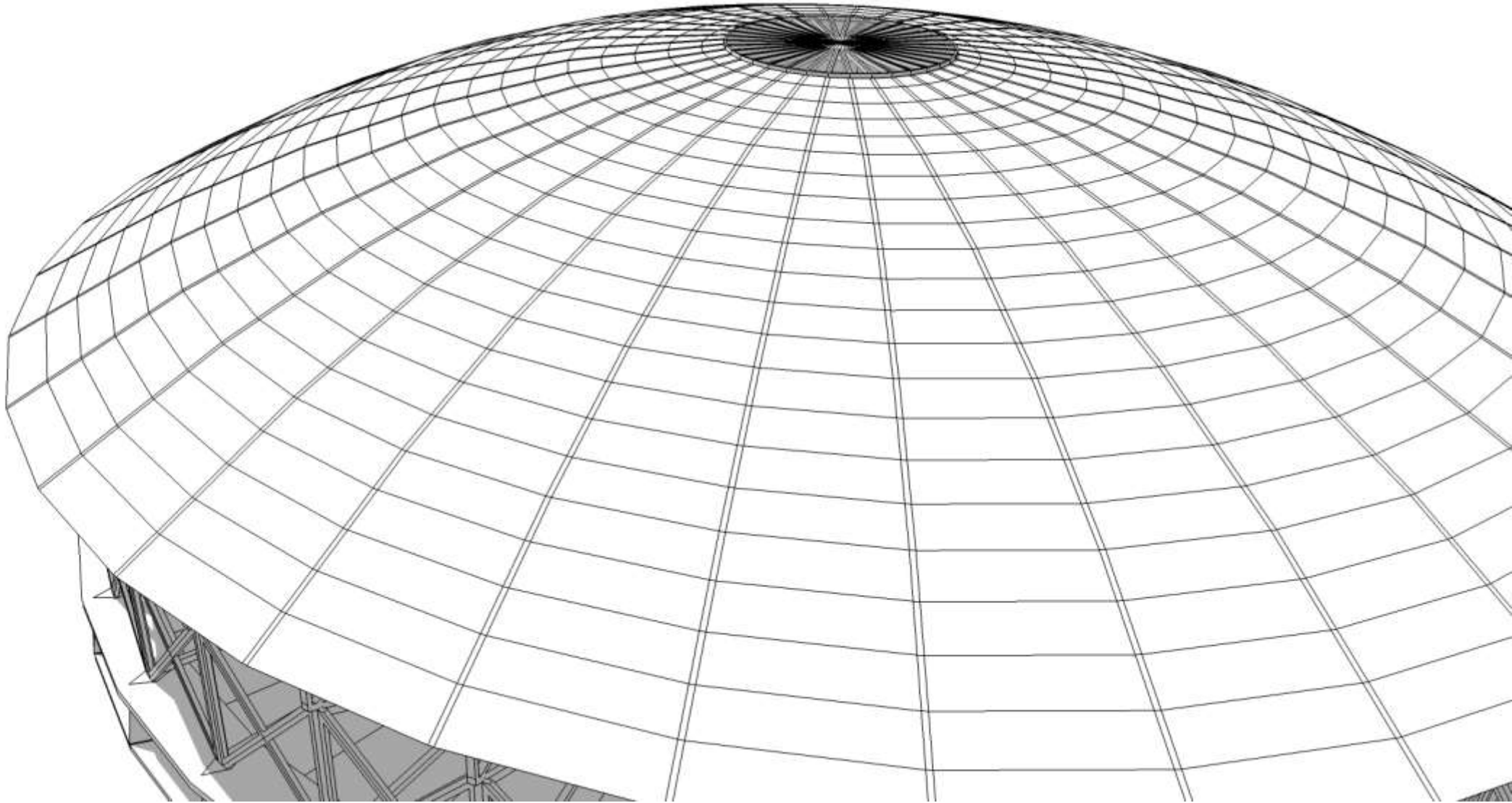
8S Stadium



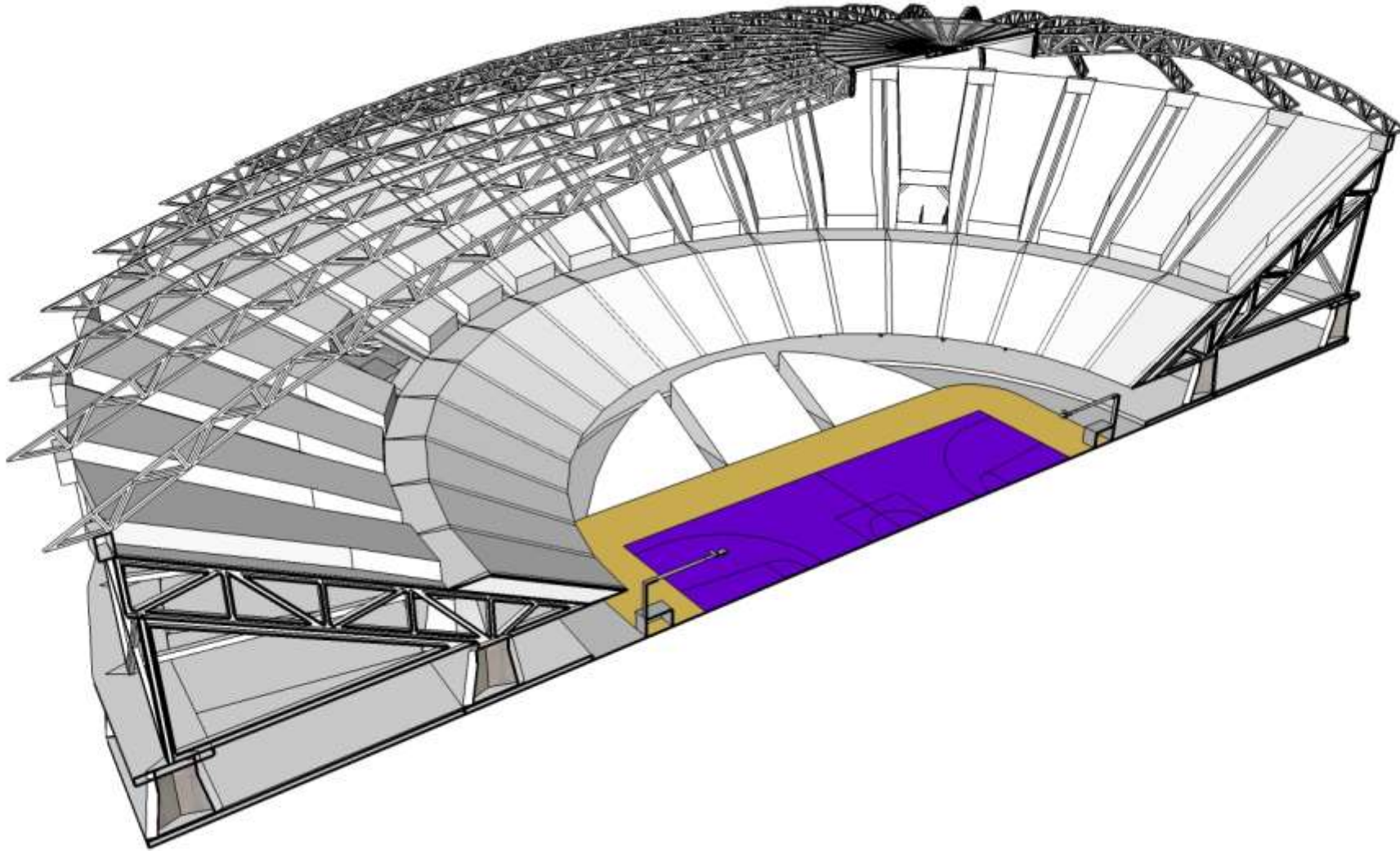
8S Stadium



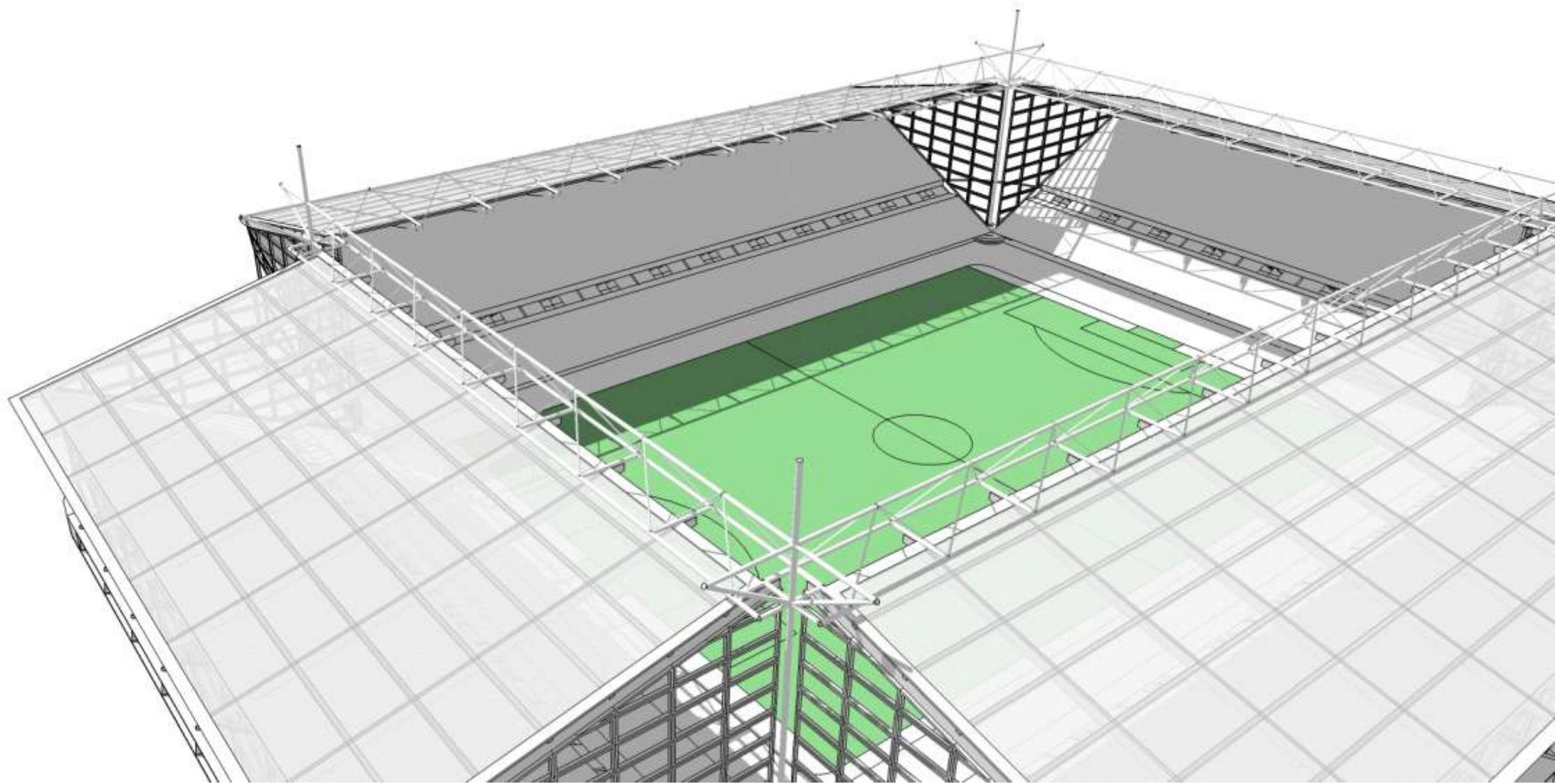
4M Stadium



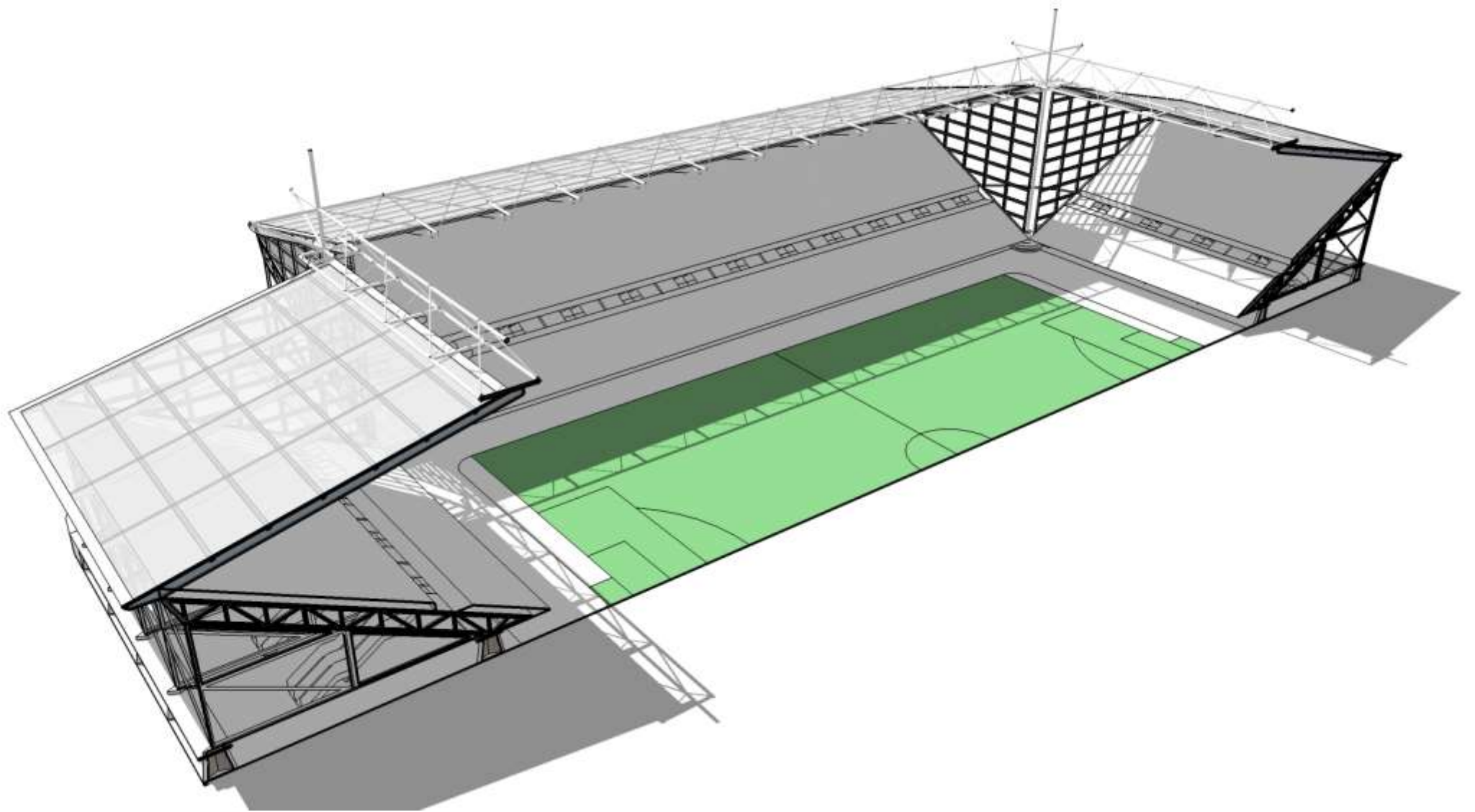
4M Stadium



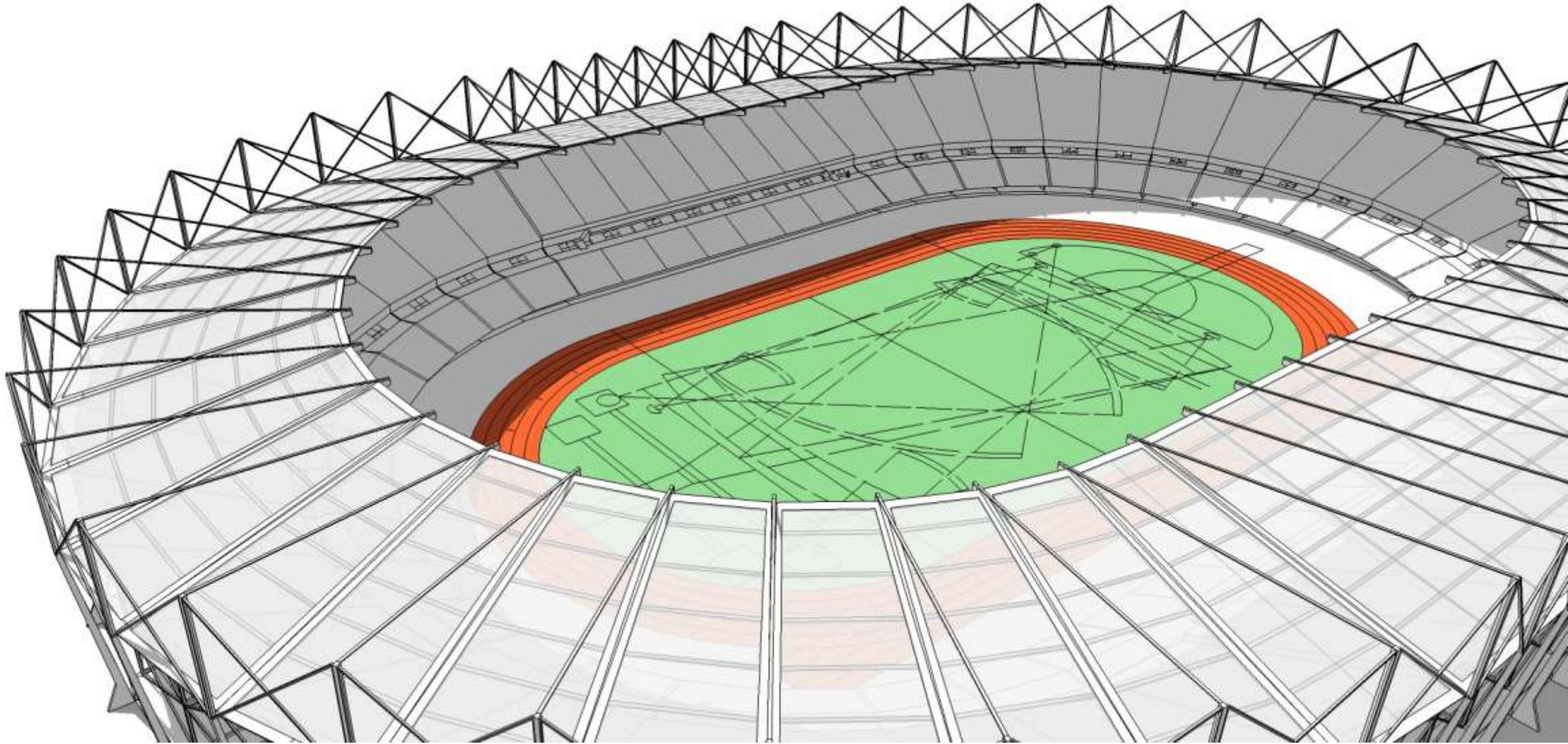
4L Stadium



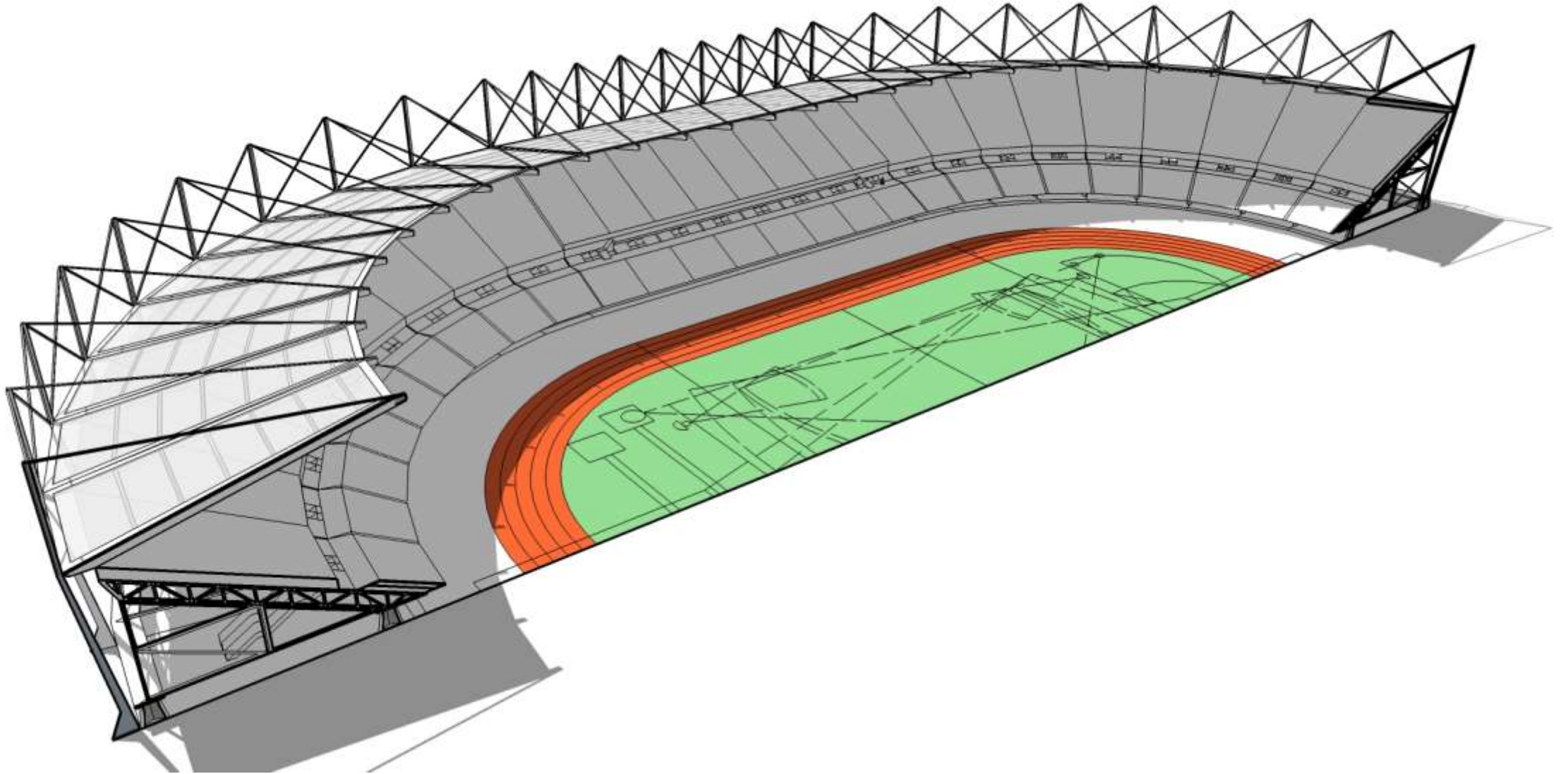
4L Stadium



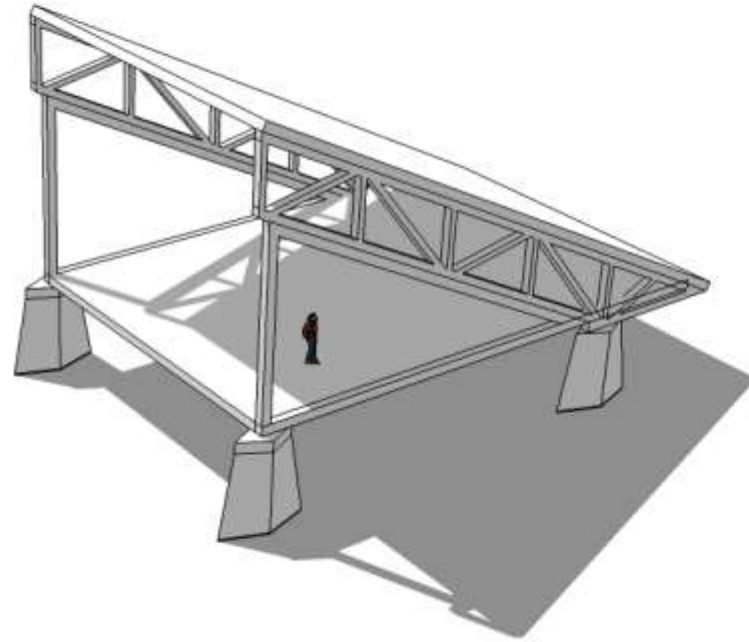
XL Stadium



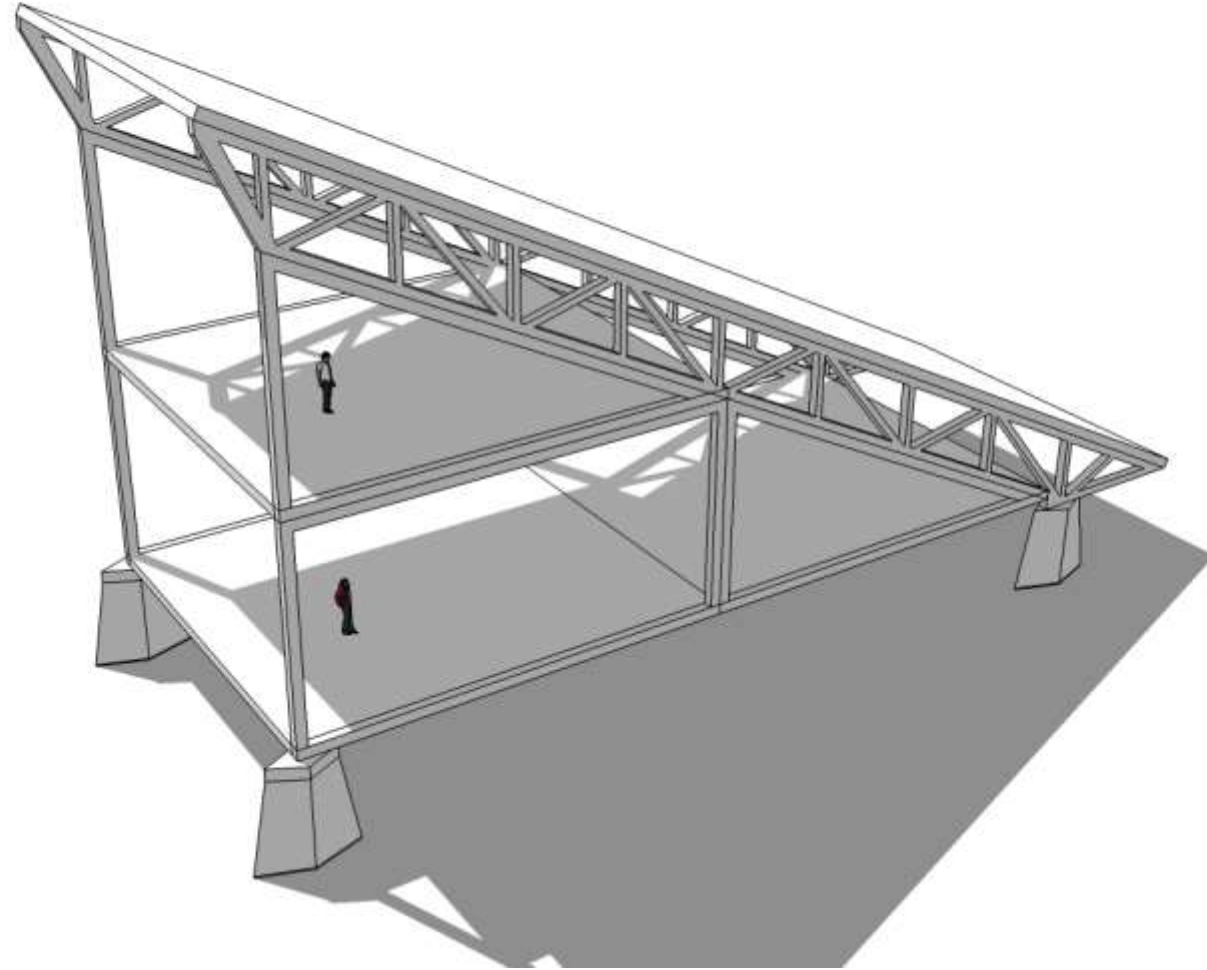
XL Stadium

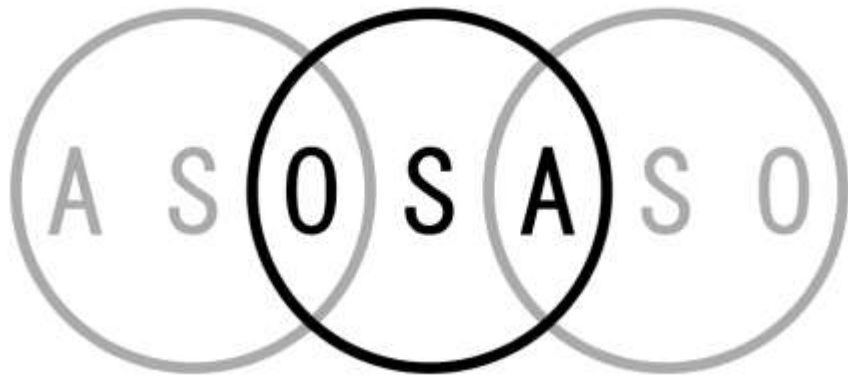


$[(8 \times 14)S + (4 \times 36)M]$ Recycled Single-decker Rows



[(4x36)L+36XL] Recycled Double-decker Rows





Thank You

Session 2

Eka Swadiansa

