New Grønmo Park

This project sets to transform the Grønmo area with large existing rubbish collection zones into a recreational park. At the same time, the current rubbish facilities, material recycling, material composting and material sorting will be kept and be converted sustainable within the view of the public park. The whole Grønmo area is around 42.5 hectare. This transformation will meet the qualities of tree, forest, field with the concept to infill new experiences into the area. There could be new activities in this area, including recycling management classrooms, bike riding, history and landscape education, open group gathering, picnic, Christmas tree market etc. This transformation project includes new organization of material collection, hard hand market, new organization of material composting, visitor centre, new system of contaminated water filtering. To be able to connect the area to the existing morphology and natural environment of South eastern of Oslo, this project is part of the effort to turn the contaminated areas around Oslo into a new landscape scenery. The land of the thesis is on the meeting section of landscape design, architecture and urban design and the desired design.

Grønmo is located in the south eastern part of Oslo in the district of Søndre Nordstrand approximately 12km southeast of the Oslo Centre. The size of the project site is around 42.5 hectare, approximately to 1.5 times size of the Frogner Park. This area is Grønmo was entirely covered by forest in the past. But now it is a large rubbish collection and treatment area. The Grønmo landfill was to be the largest one in Northern Europe. The location on Oslo’s main road for the amendment since 1965. Grønmo covered over 6 million cubic meters of rubbish. It was closed in 2009. Today the area is covered by a thin piece of soil top cover with green dress.

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Grønmo is located in the south eastern part of Oslo in the district of Søndre Nordstrand approximately 12km southeast of the Oslo Centre. The size of the project site is around 42.5 hectare, approximately to 1.5 times size of the Frogner Park. This area is close to Sørliveien on the west and Grønmo golf course on the north. On the south, east and partly north, this area is surrounded by Østmarka as an important gateway to the forest. It is close to the E6 highway. Many cycling paths start from here. It serves as good meeting places outside in the area between the noisy city life and the quiet forest.

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Right now after the closure of the landfill site, there are a recycling station, a sorting area and a composting plant on site. On the level of architecture and on the level of landscape, Grønmo will be constructed as a new meeting area between the civil environment and the man-made artificial landscape. Grønmo will be given new identity through good coexistence between恶化，学习和市政工程设施和可回收废物处理。
List of new activities in Grønmo

- Kids’ learning path
- 2nd hand flea market
- Compost soil market
- Waste material recycling
- Birds watching
- Scenery viewing
- Cafe & restaurant
- Composting visit
- Hiking
- Bicycle group meeting
- Campfire festival
- Winter activities: Christmas tree market
- Skiing
- Skating
- Summer activities: Picnic
- Swimming
- Fruit pick up
- Kite festival

“New Grønmo Park” Program

1. Visitor center, 810 m²
   - Restaurant and Cafe
   - Small auditorium
   - Small exhibition space
   - Office

2. 2nd hand flea market, 1336 m²
   - Outside space: temporary market space
   - Inside space: market shops
     - offices
     - meeting rooms
     - storage
     - equipment rooms

3. Material recycling area, 9100 m²
   - Outside space: roof
   - Inside space: Material recycling and treatment area
     - Operational office

4. Composting area, 2135 m²
   - Operational equipment space
   - Curing and compost storage
   - Raw material storage

5. Material sorting and treatment area, 970 m²
   - Outside space: roof
   - Inside space: Material sorting and treatment area
     - Operational office

6. Landscape area
   - Public area: parking area
   - Scenario platform
   - Gathering space
   - Bruttled park
   - Infrastructure landscape:
     - Warm water pond
     - Isolation point
     - Recreational area
     - Beach water pond
     - Water pond
     - Wetland area

Site

- Vehicle road
- Car parking
- Gas pipes
- Water pipes
- Gas houses
- Water drainage
- Gas well
- Oxidation pond
- Enhancement pond
- Landfilled leachate water pond
- Clean water pond
- Stream

Grønmo in 1969-2009

Analysis: vehicle road and parking
Analysis: underground facilities layout
Analysis: water system
Analysis: recreational path
Analysis: boundary around the site
Analysis: functions inside of the man-made landscape

Grønmo in 2009-2017

Grønmo in the future

Grønmo in 1969-2009

Analysis: vehicle road and parking
Analysis: underground facilities layout
Analysis: water system
Analysis: recreational path
Analysis: boundary around the site
Analysis: functions inside of the man-made landscape

Grønmo in 2009-2017

Grønmo in the future

Analysis: vehicle road and parking
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Material recycling building plan

Material recycling building interior view

01. Entrance for private cars
02. Entrance for trucks
03. Collection area for Hazardous waste
04. Collection Container for Plaster
05. Collection Container for Mattresses
06. Collection Container for Impregnated wood
07. Collection Container for Metal
08. Collection Container for Plastic
09. Collection Container for Waste electricity equipments, appliances, cables
10. Collection Container for cardboard and paper
11. Collection Container for combustion
12. Collection Container for normal wood
13. Collection Container for hard shell
14. Collection Container for vinyl flooring and vinyl insulation
15. Collection Container for garden waste for composting
16. Collection Container for fluorescent lights
17. Collection Container for glass
18. Containers collection and storage area
19. Tracks for private cars
20. Exhibition and guidance area
21. Administration office and supervision area
22. Toilet
23. Wheelchair Accessible restroom
24. Equipment room
25. Exit for trucks
26. Exit for private cars

Material recycling building section
1. Small auditorium
2. Kitchen
3. Restaurant and Cafe
4. Toilet
5. Small exhibition space
6. Entrance
7. Platform
8. Temporary market space (Christmas tree market, compost soil market)
9. Entrance
10. Lobby and Reception
11. 2nd hand market space
12. Storage
13. Workshop and repair room
14. Management office
15. Wheelchair Accessible restroom
16. Toilet
17. Kitchen
18. Cafe
19. Outside cafe