



GREEN ROOFS ON PUBLIC BUILDINGS AS A NORWEGIAN WAY OF USING GREEN INFRASTRUCTURE IN THE FIGHT AGAINST CHANGE CLIMATE.

Project: **Green urban corridors – climate responsiveness in Konin**



Gonçalo Liberato

NFGI vice-chair board

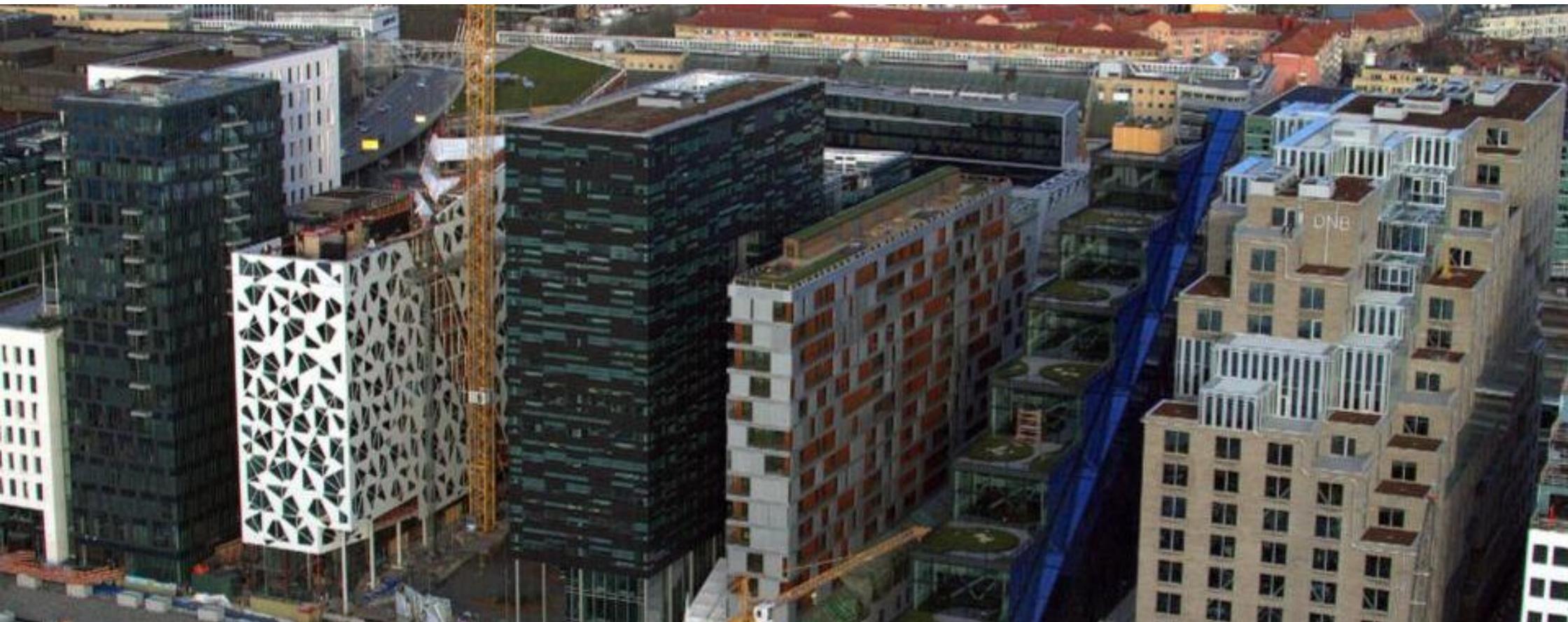
- Architect / landscape architect MNLA
- Blue-Green advocate
- Board member of NFGI since 2019
- Working with EEA Grants program since 2012

[linkedin.com/in/goncaloliberato](https://www.linkedin.com/in/goncaloliberato)





Green Roofs in Norway





OM OSS

NYHETER

FAGSTOFF

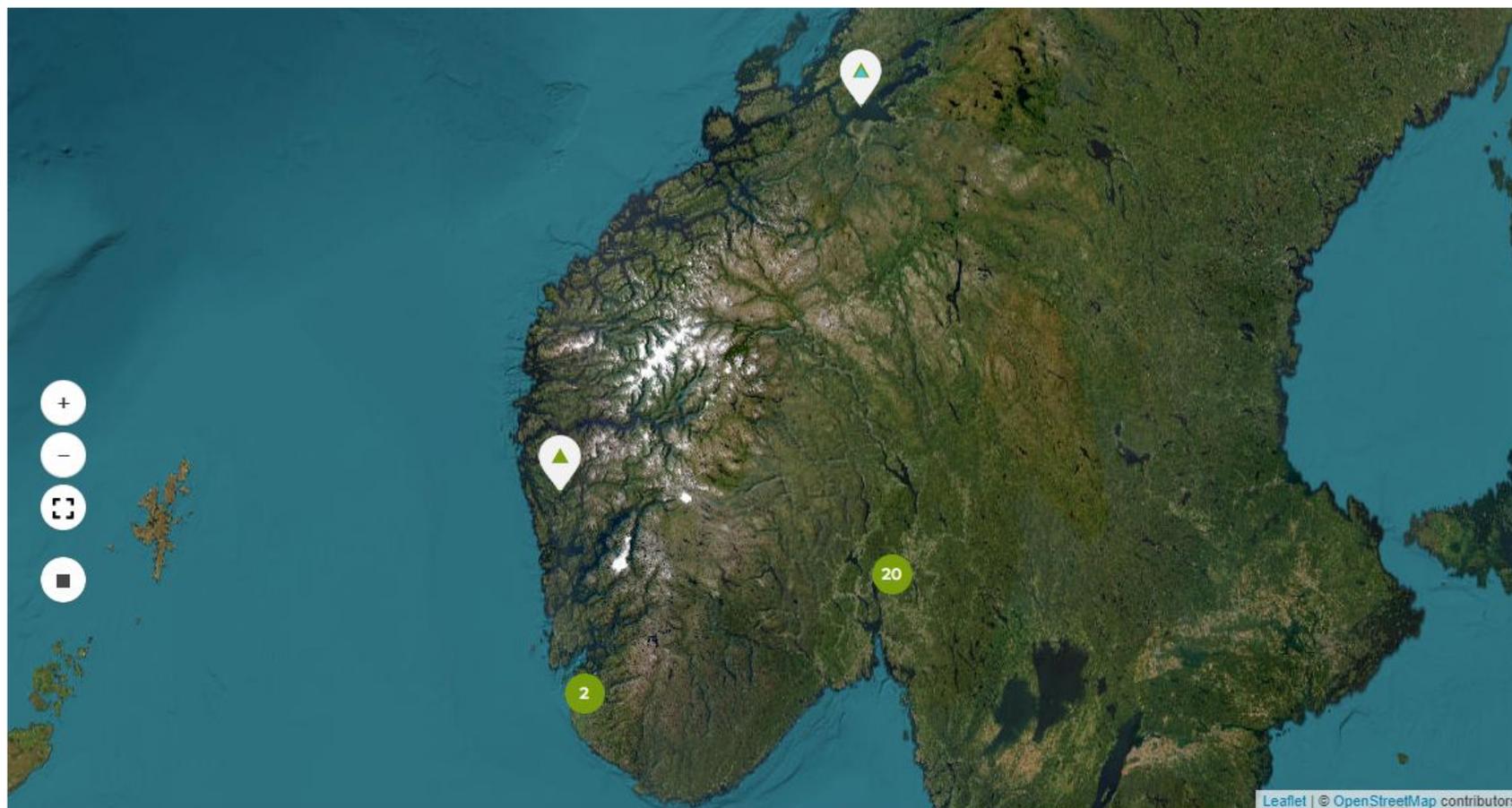
MEDLEMSKAP

PROSJEKTER

MIN SIDE

SØK I VÅR PROSJEKTER DATABASE

Blågrønt Kart Norge





SKÖYEN TERRACE KINDERGARTEN

Kindergarten

Location: Oslo

500m²

Year of completion: 1992

Green roof type: Intensive

total vegetated roof area: 500m²

Use: Bio-roof, Facilities

 Kvalitetsprodukter

**NITTEDAL
TORVINDUSTRI A.S** 



HARALDRUD RECYCLING STATION

Municipal recycling station

Location: Oslo

28000m²

Year of completion: 2007

Green roof type: Extensive

total vegetated roof area: 28000m²

Use: Bio-roof



SONJA HENIE ISHALL

Ice rink

Location: Oslo

4600m²

Year of completion: 2009

Green roof type: Extensive

total vegetated roof area: 4000m²

Use: Bio-roof



ALPHASET CREMATORY

Municipal crematorium

Location: Oslo

2100m²

Year of completion: 2009

Green roof type: Extensive

total vegetated roof area: 1150m²

Use: Bio-roof, garden





ROMMEN SCHOOL AND CULTURAL CENTER

Combined primary and secondary school

Location: Oslo

11500m²

Year of completion: 2010

Green roof type: Extensive

total vegetated roof area: 6400 m²

Use: Facilities, Bio roof



SMESTAD RECYCLING STATION

Municipal recycling station

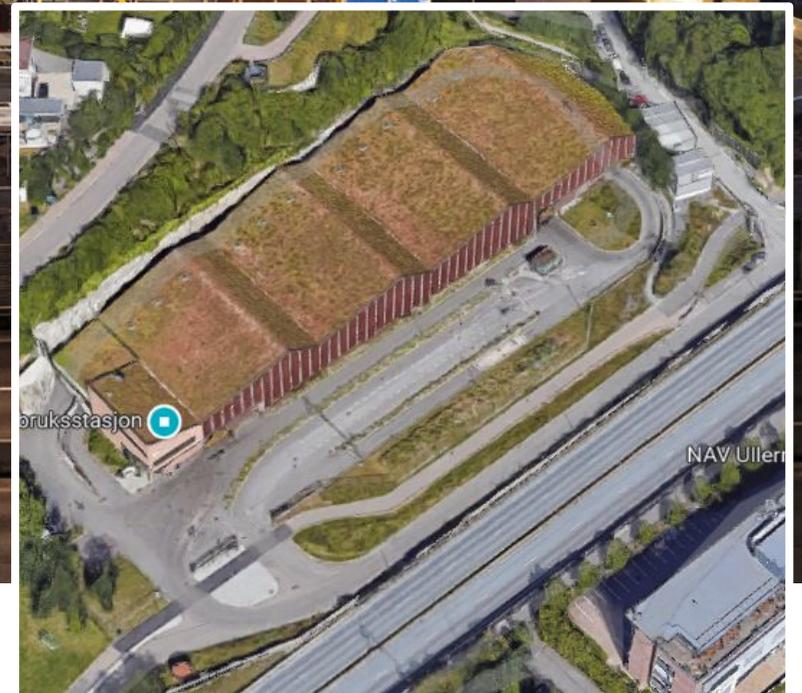
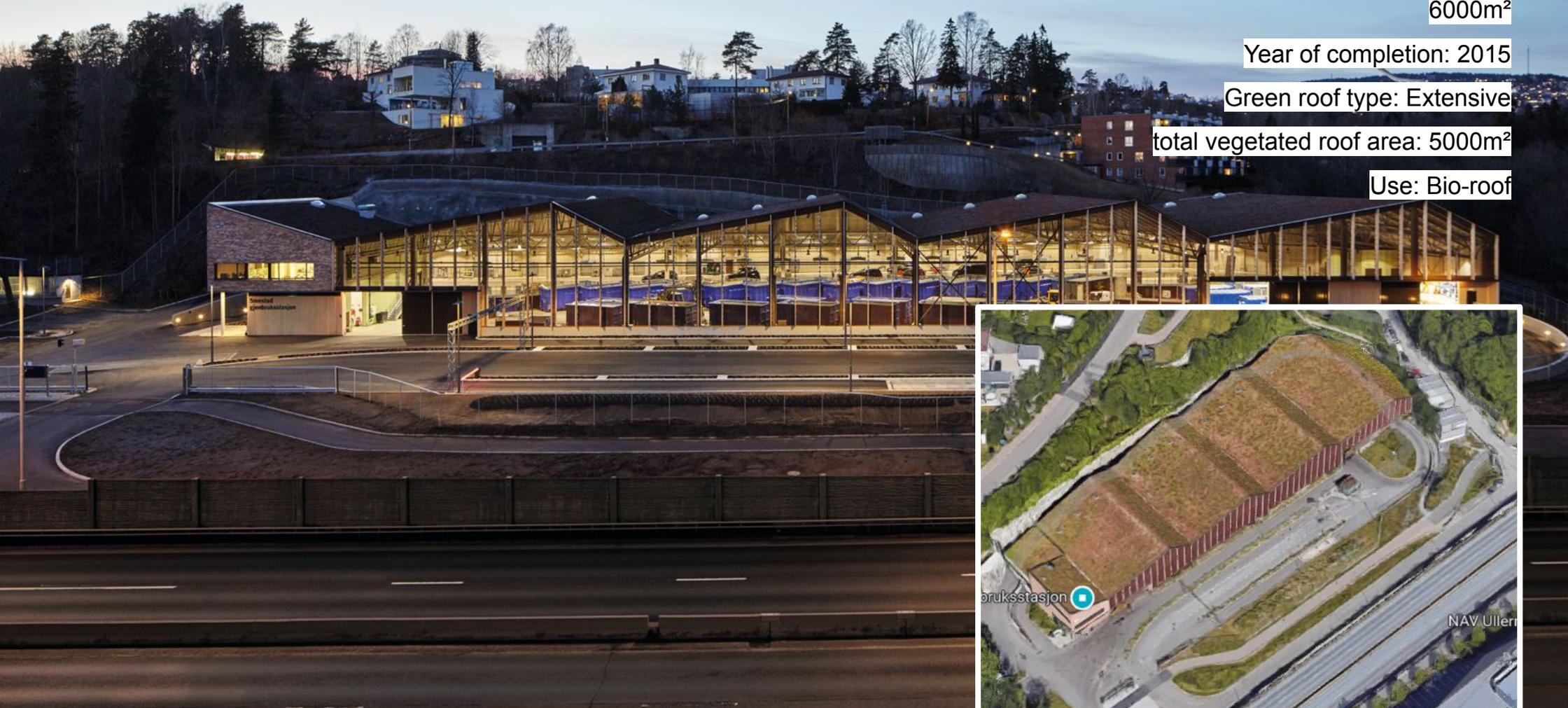
Location: Oslo

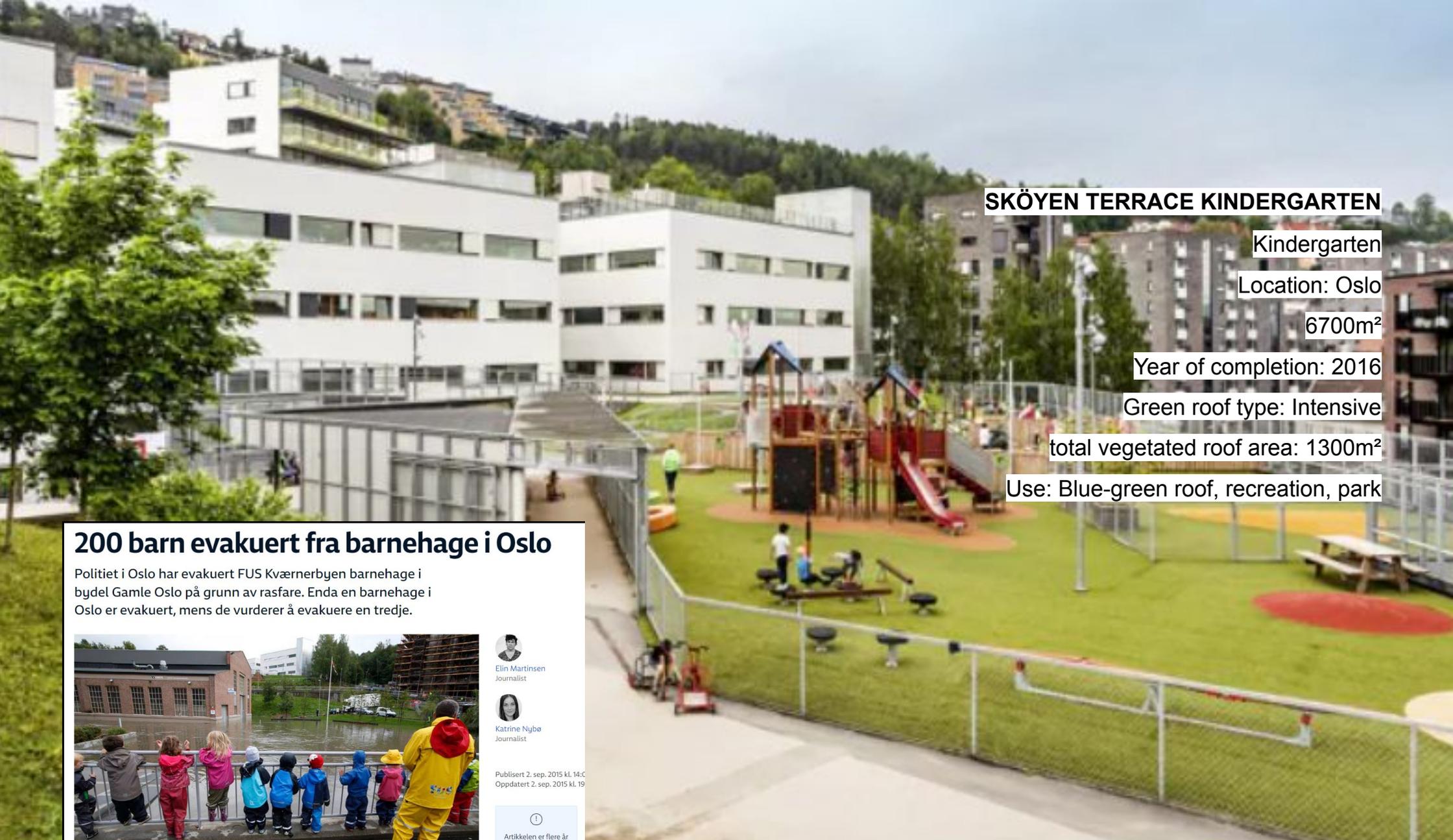
6000m²

Year of completion: 2015

Green roof type: Extensive
total vegetated roof area: 5000m²

Use: Bio-roof





SKØYEN TERRACE KINDERGARTEN

Kindergarten

Location: Oslo

6700m²

Year of completion: 2016

Green roof type: Intensive

total vegetated roof area: 1300m²

Use: Blue-green roof, recreation, park

200 barn evakuert fra barnehage i Oslo

Politiet i Oslo har evakuert FUS Kværnerbyen barnehage i bydel Gamle Oslo på grunn av rasfare. Enda en barnehage i Oslo er evakuert, mens de vurderer å evakuere en tredje.



FUS Kværnerbyen barnehage er evakuert etter at de store vannmengdene har ført til rasfare.
FOTO: RUUD, VIDAR / NTB SCANPIX



Elin Martinsen
Journalist



Katrine Nybo
Journalist

Publisert 2. sep. 2015 kl. 14:00
Oppdatert 2. sep. 2015 kl. 19:00



Artikkelen er flere år gammel.



HØVRINGEN SEWAGE TREATMENT PLANT

Treatment Plant

Location: Trondheim

200m²

Year of completion: 2017

Green roof type: Extensive

total vegetated roof area: 90m²

Use: Facilities, Bio-roof





RYEN RECYCLING STATION

Municipal recycling station

Location: Oslo

9000m²

Year of completion: 2018

Green roof type: Extensive
total vegetated roof area: 9000m²

Use: Bio-solar





VOLLEBEKK KINDERGARTEN

Kindergarten

Location: Oslo

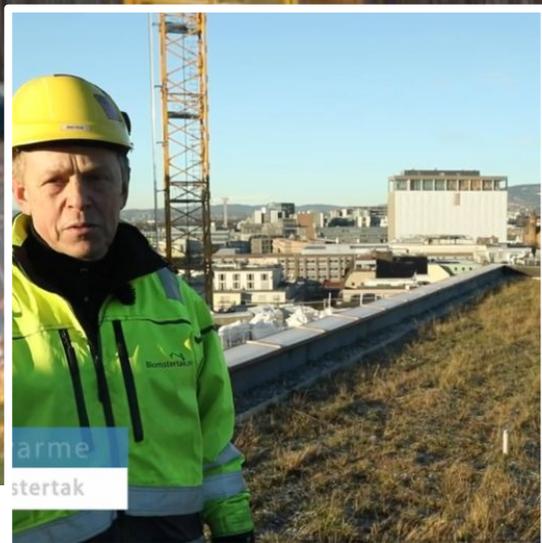
1800m²

Year of completion: 2019

Green roof type: Extensive

total vegetated roof area: 820 m²

Use: Bio solar





LØREN SCHOOL

Junior high school

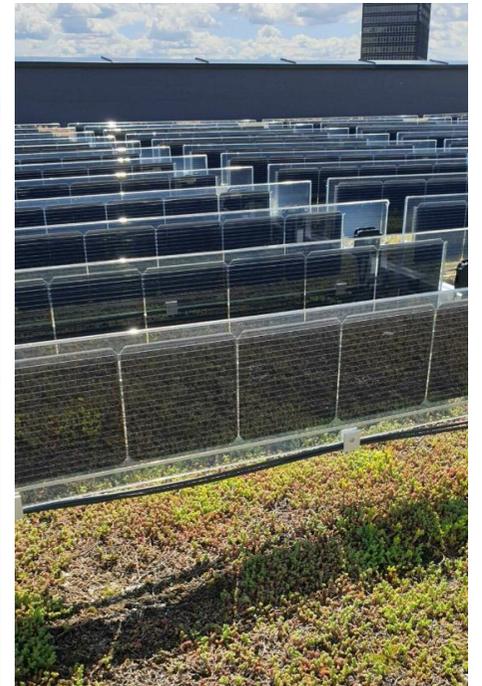
Location: Oslo

5622m²

Year of completion: 2019

Green roof type: Extensive
total vegetated roof area: 1200 m²

Use: Facilities, Bio-solar





SANDNES TOWN HALL

Office and administration building

Location: Sandnes

3350m²

Year of completion: 2019

Green roof type: Extensive

total vegetated roof area: 2625m²

Use: Facilities, Bio roof





SOLFJELLSHØGDA HEALTHCARE HOUSE

Nursing home, Health and social centre

Location: Oslo

13200m²

Year of completion: 2020

Green Roof type: Extensive

total vegetated roof area: 3860m²

Use: Bio-roof, Bio-solar





ULLERN MULTIPURPOSE HALL

Sports hall

Location: Oslo

4000m²

Year of completion: 2020

Green roof type: Extensive

total vegetated roof area: 1800m²

Use: bio roof





**CAMPUS ÅS VETERINARY FACULTY
BUILDING**

University and college building

63100m²

Location: Ås

Year of completion: 2021

Green roof type: Extensive

total vegetated roof area: 19100m²

Use: Facilities, Bio roof



THE MUNCH MUSEUM

Museum

Location: Oslo

4550m²

Year of completion: 2021

Green roof type: Extensive
total vegetated roof area: 1800m²

Use: Bio-roof, Facilities



THE RESEARCH PARK

University and college building

Location: Oslo

1800m²

Year of completion: 2022

Green Roof type: intensive and extensive

total vegetated roof area: 700m²

Use: Blue-green roof, recreation, free-time





NEW OSLO EMERGENCY HOSPITAL

Hospital, Clinic

Location: Oslo

32000m²

Year of completion: 2023

Green Roof type: Extensive
total vegetated roof area: 6825m²

Use: Blue-green roof, recreation, free-time



Strategy for green roofs and facades

The Norwegian Planning and Building Agency has drawn up Oslo Municipality's strategy for green roofs and facades. The strategy was considered by the city council on 25 May 2022.

“We are concerned with both small and large green measures on roofs, facades and other suitable building systems. The sum of many small measures can also have great value for the city.”

Action plan for green roofs and facades

The city council considered the action plan for green roofs and facades on 20 December 2023.

The action plan describes several measures and a joint effort to establish more green roofs and facades in our city.

One of the measures in the action plan has all been carried out. From 10 January 2024, you get a discount on construction fees if you establish green roofs and facades. The Planning and Building Agency has the main responsibility for implementing the action plan. The work is underway from January 2024.



Oslo kommune
Bymiljøetaten

Dziękuję za wysłuchanie :)

NFGI