

Healing Architecture in Denmark

GAPS



Texas A&M University 11. november 2016



Speaker: Henrik Bendix Olsen
Architect, Industriel Designer
Project Manager, Region Zealand,
Denmark

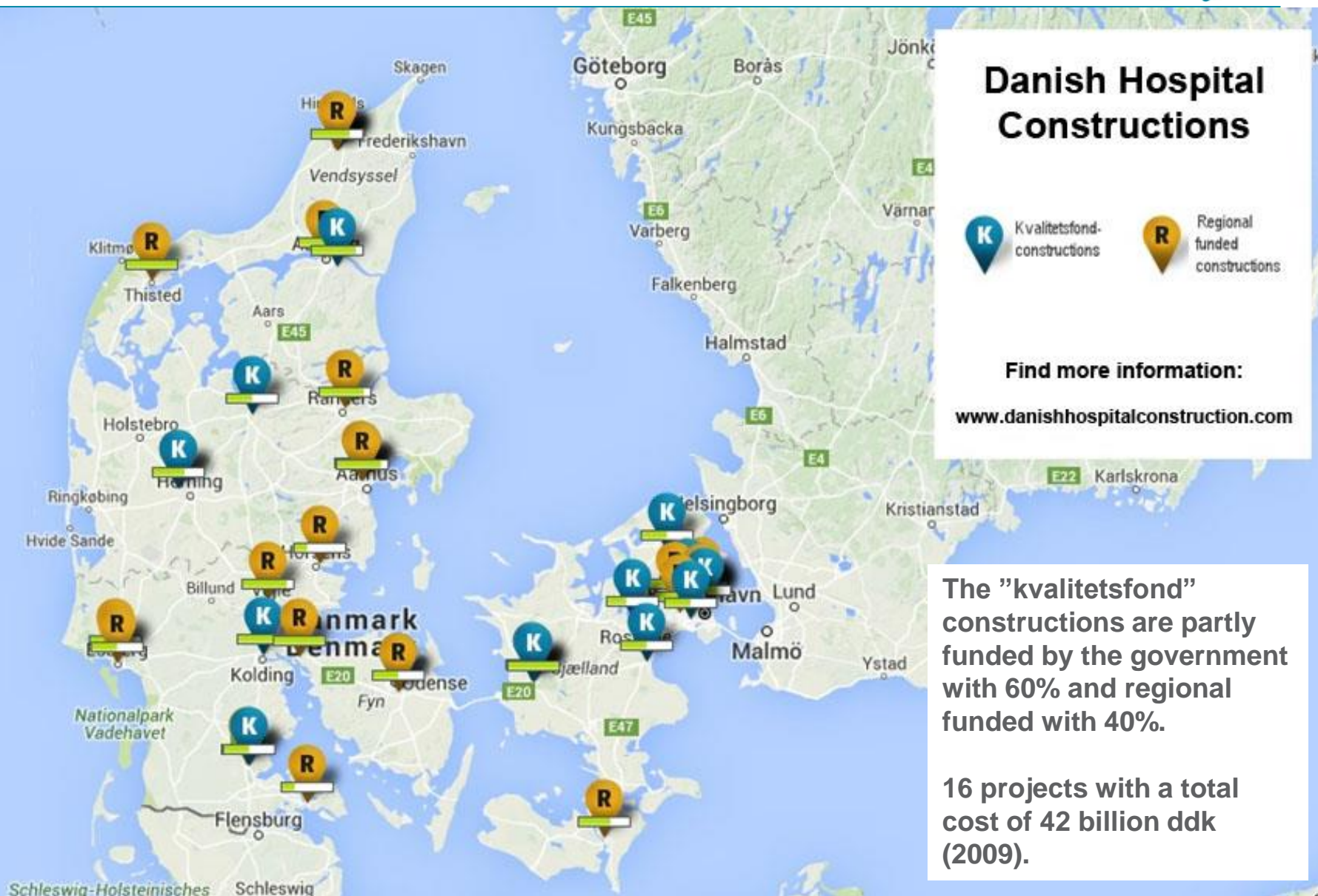
REGION SJÆLLAND

PSYKIATRIEN

- vi er til for dig



Current Hospital projects in Denmark



Hospitals in Region Zealand

”Kvalitetsfond” projects



Koege University hospital

Hospital floor space: 189.000 m²

Site size: 275.000 m²

Beds: 900 total

Employees: approx. 4130

Projekt sum: 4,2 billion DDK ~ 625 million USD

Occupancy of the hospital – 2023

Slagelse Psychiatric Hospital

"The House in the Park"

REGION SJÆLLAND
PSYKIATRIEN
- vi er til for dig



Advisors

Building owner:
Region Zealand

Internal advisors

Architect (Lead consultant):
Karlsson Architects / VLA i/s

Advisors (architect):
Schønherr
Moe
NNE Pharmaplan
Cenergia Energy Consultants
Bartenbach Light Design
Signal

Advisor (building owner):
Kuben Management A/S

Construction/site management:
Rambøll Denmark

Security:
Molter Consult

External controlling:
Arkitema Architects



History - process

Recovery strategi

Healing architecture – Natural/artificial light, Nature, non visible security.....

Physical activity, integrated art, graduated transition between privat/public areas.....

materials/colors, health envioment, innovation ---> Human/Healing architecture

Interrelationship with somatic areas- campus

2008

2009

2010

2011

2013

2015

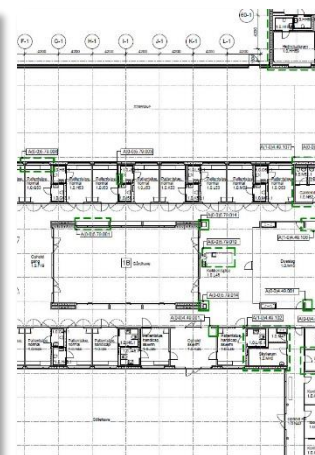
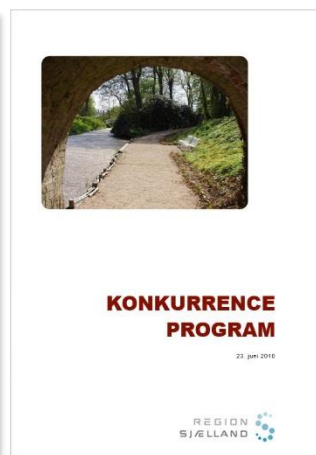
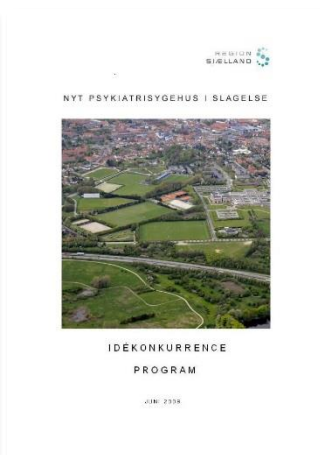
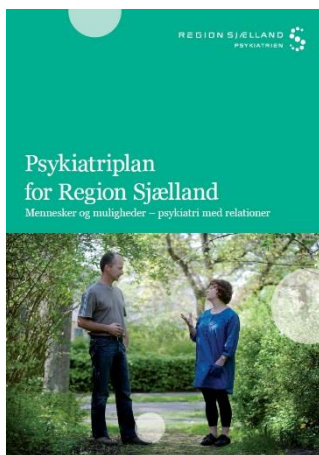
Psychiatry
plan

Initial
competition
stage

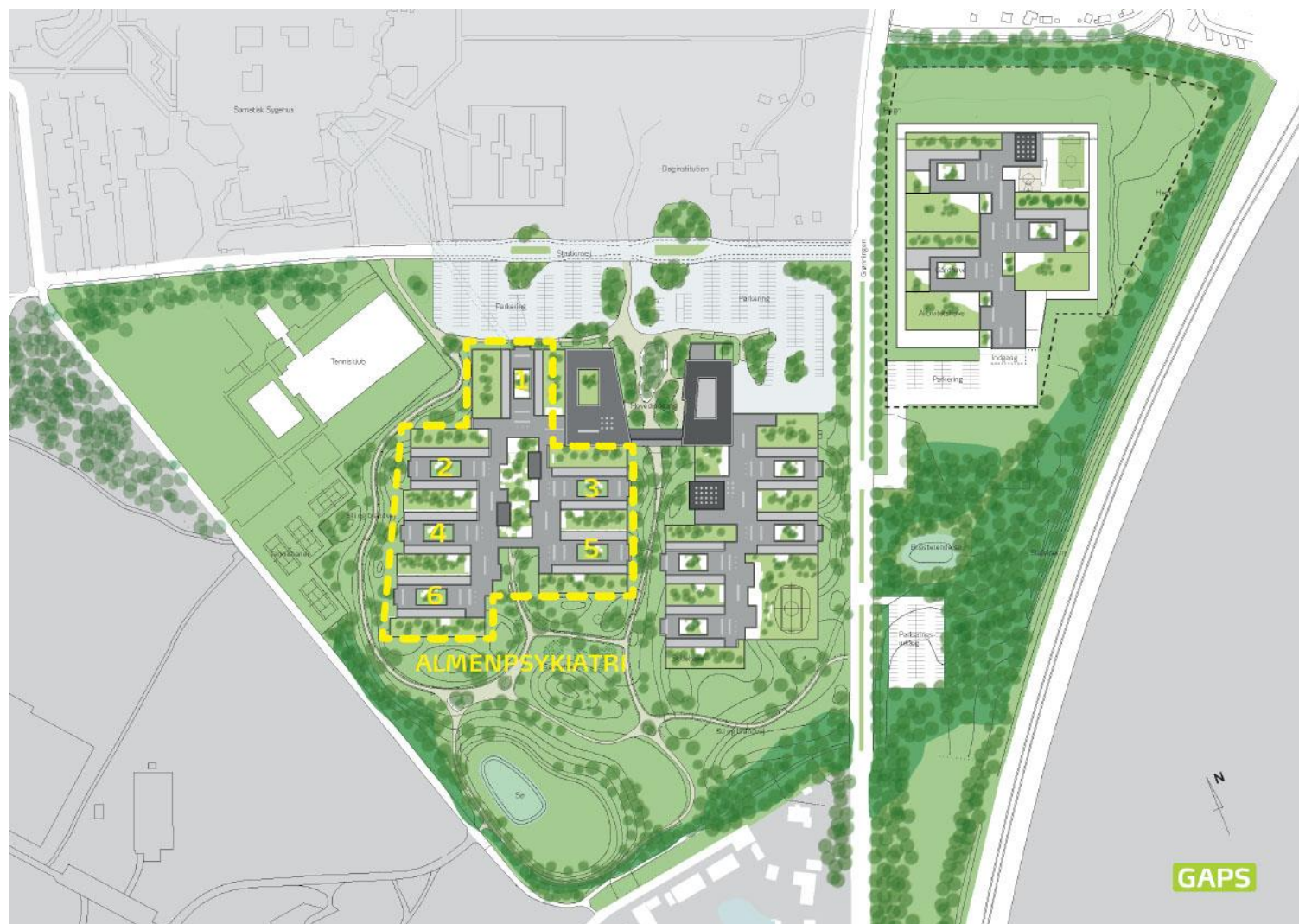
Architect
competition

Design stage
– user/patient
involvement

Building stage



Site plan General psychiatry



General psychiatry.

6 wards, 114 beds total.

1 closed and 5 open wards.

Possibility to change all wards from open to closed.

**Exercise rooms
Large internal garden.
Multistimuli-area.
High security area.**

Site plan

Reception and outpatient clinic



Emergency reception and outpatient clinic.

Two floors with future possibility for a third.

Main reception and waiting areas.

"Hotel" facilities for relatives.

Police access and easy access to the closed ward.

Site plan

Knowledge center



Knowledge center.

**Administration building,
5. floors +
basement.**

**Ground floor –
auditorium,
canteen, cafe and
kitchen.**

**1.-3. floor –
administration
area and interview
rooms.**

**4. floor –
research and
library.**

**Basement –
changing rooms.**

Site plan Forensic psychiatry



**Forensic
psychiatry.**

**4 wards, 50 beds
total.**

**3 closed and 1
open ward.**

**Possibility to
change/move
locks, thereby
changing no. of
open/closed
wards.**

**Swimming- and
sports facilities.**

Site plan

High secure ward



High secure ward. The only one in Denmark.

3 closed high security wards, 30 beds total.

Special guard and "terminal" – working together with guard in outpatient clinic.

**Sports facilities
Education area
Court room**

Basement – changing rooms.

REGION SJÆLLAND
PSYKIATRIEN
- vi er til for dig



Patient room

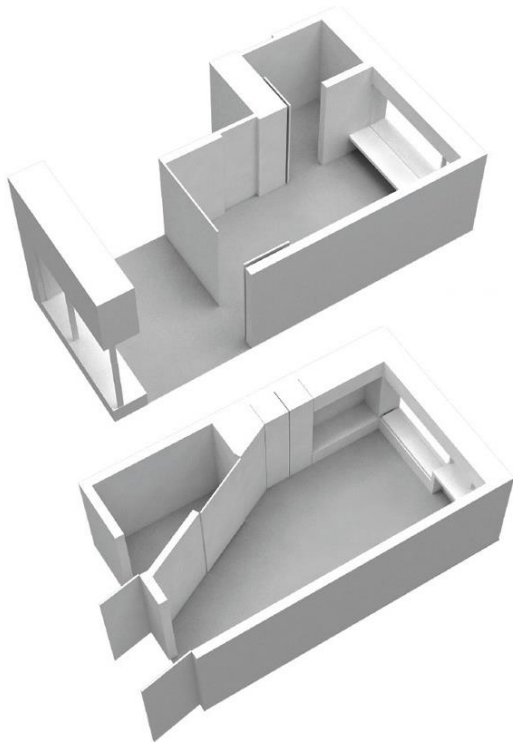
Special features:

Information / intertainment screen

Dynamik LED

Custom designed furniture

Natural ventilation – special window



Main entrance – office building



Reception area



Office building - atrium



Sports and exercise centre

REGION SJÆLLAND
PSYKIATRIEN
-vi er til for dig



Swimming facilities



Patient area



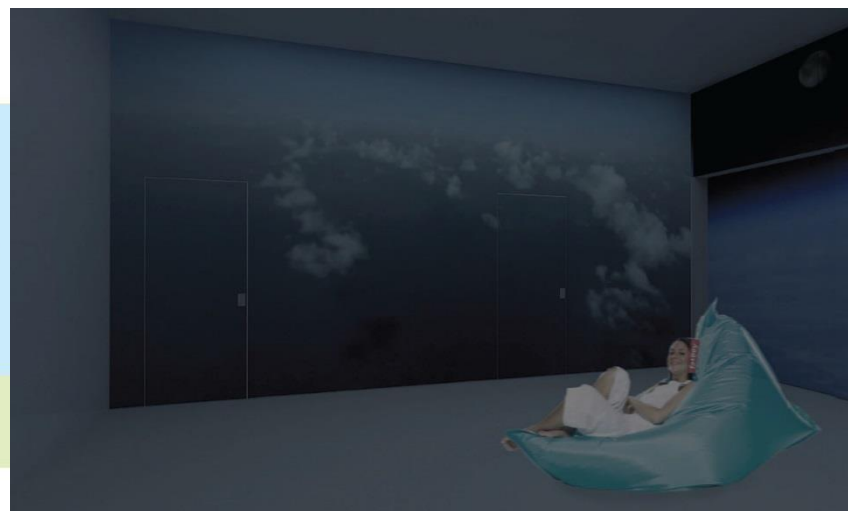
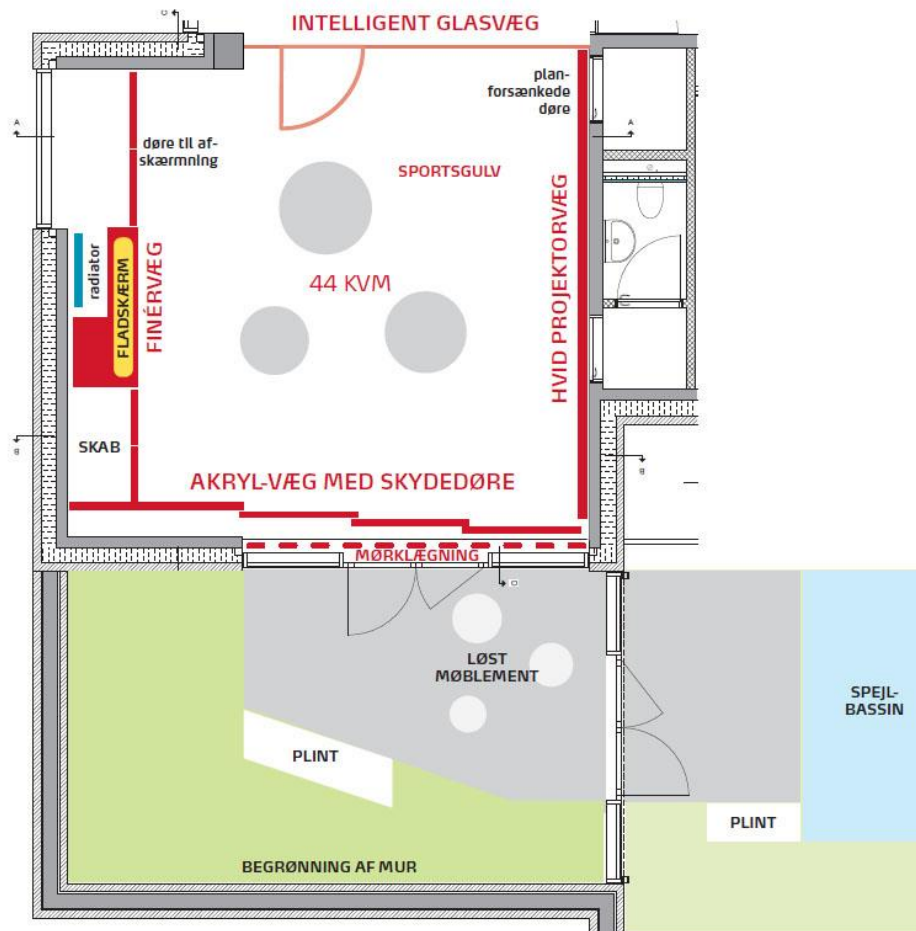
Patient room



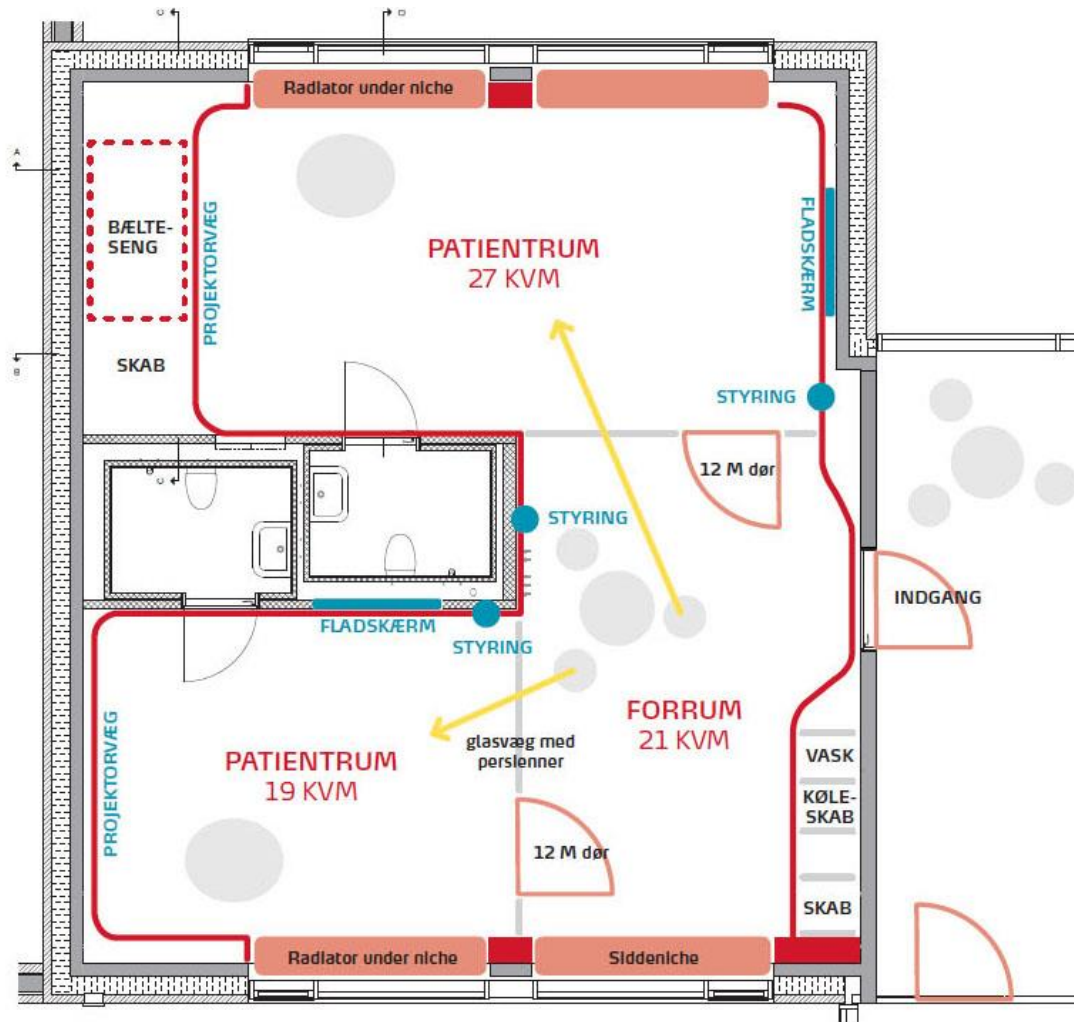
Garden - patient area



Multistimuli-area, General psychiatric



HIS, General psychiatric

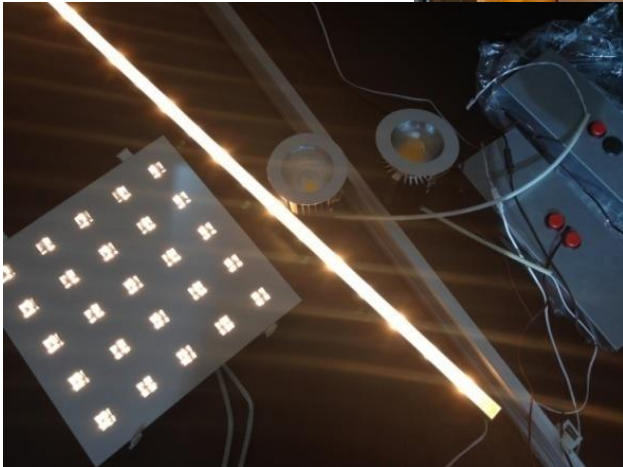


Dynamic LED light

The most advanced system in the world

LED light:

Dynamic light
with the ability to
control each room
(fixture)
separatly.



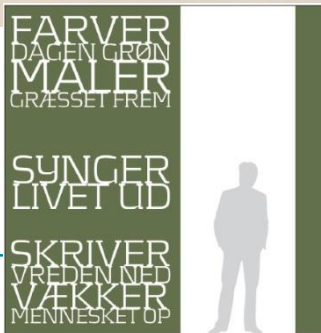
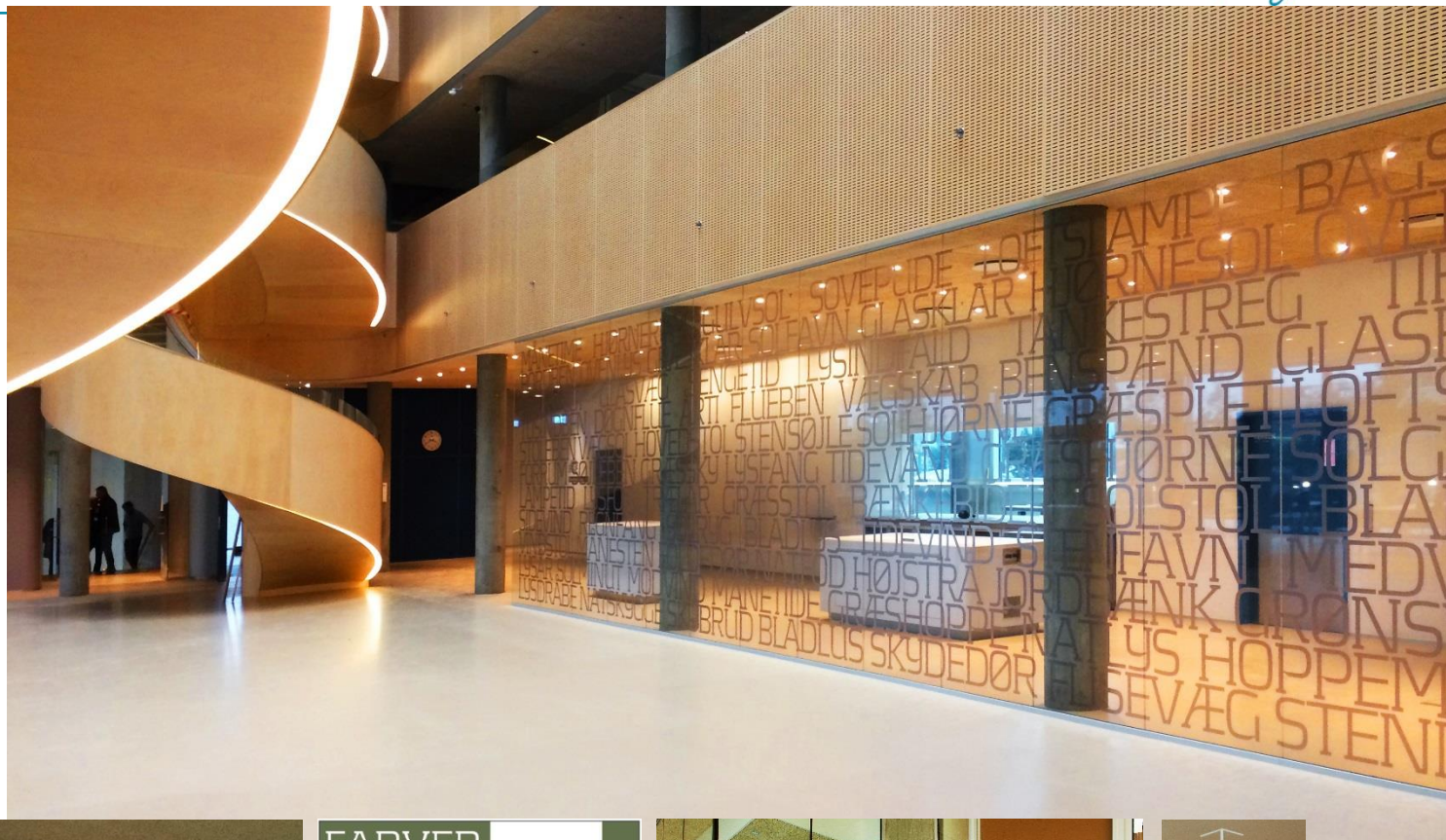
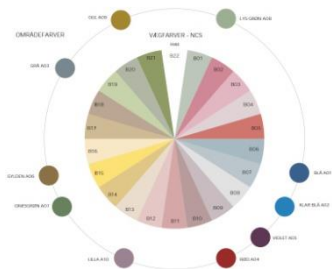
Dynamic LED light



Building integrated art / colours

Painter:
Malene Landgreen

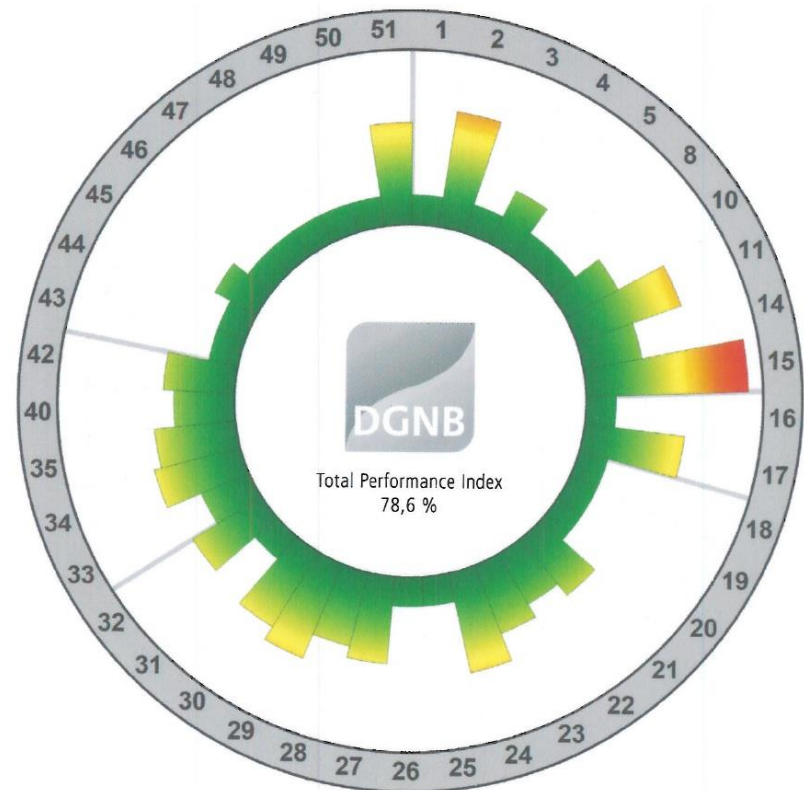
Author:
Ursula Andkjær
Olsen



Psychiatric bed



DGNB – pre-certification



Final certification - gold

Awards

**AR
AWARDS
WINNER
HEALTHCARE
AWARD 2016**



Questions.....

