

**BLURRING THE
BOUNDARIES TO
MINIMIZE STRESS
AND AGGRESSION
AND SUPPORT
HEALING**

ARKITEMA ARCHITECTS

MENTAL HEALTH HOSPITAL IN VEJLE
DENMARK

EUROPEAN HEALTHCARE DESIGN CONFERENCE LONDON



HEALTHCARE CENTRE
HOLSTEBRO DK | 2013-2018 | 13.000 M²



CPH CHILDREN'S HOSPITAL
COPENHAGEN DK | 2017-2023 | 55.000 M²



BEDWARDS SVS HOSPITAL
ESBJERG DK | 2015-2020 | 15.000 M²



REGIONAL HOSPITAL DNV GØDSTRUP
HERNING DK | 2012-2020 | 115.000 M²

SAHLGRENSKA LIFE SCIENCE
GÖTEBORG SE | 2017- | 130.000 M²



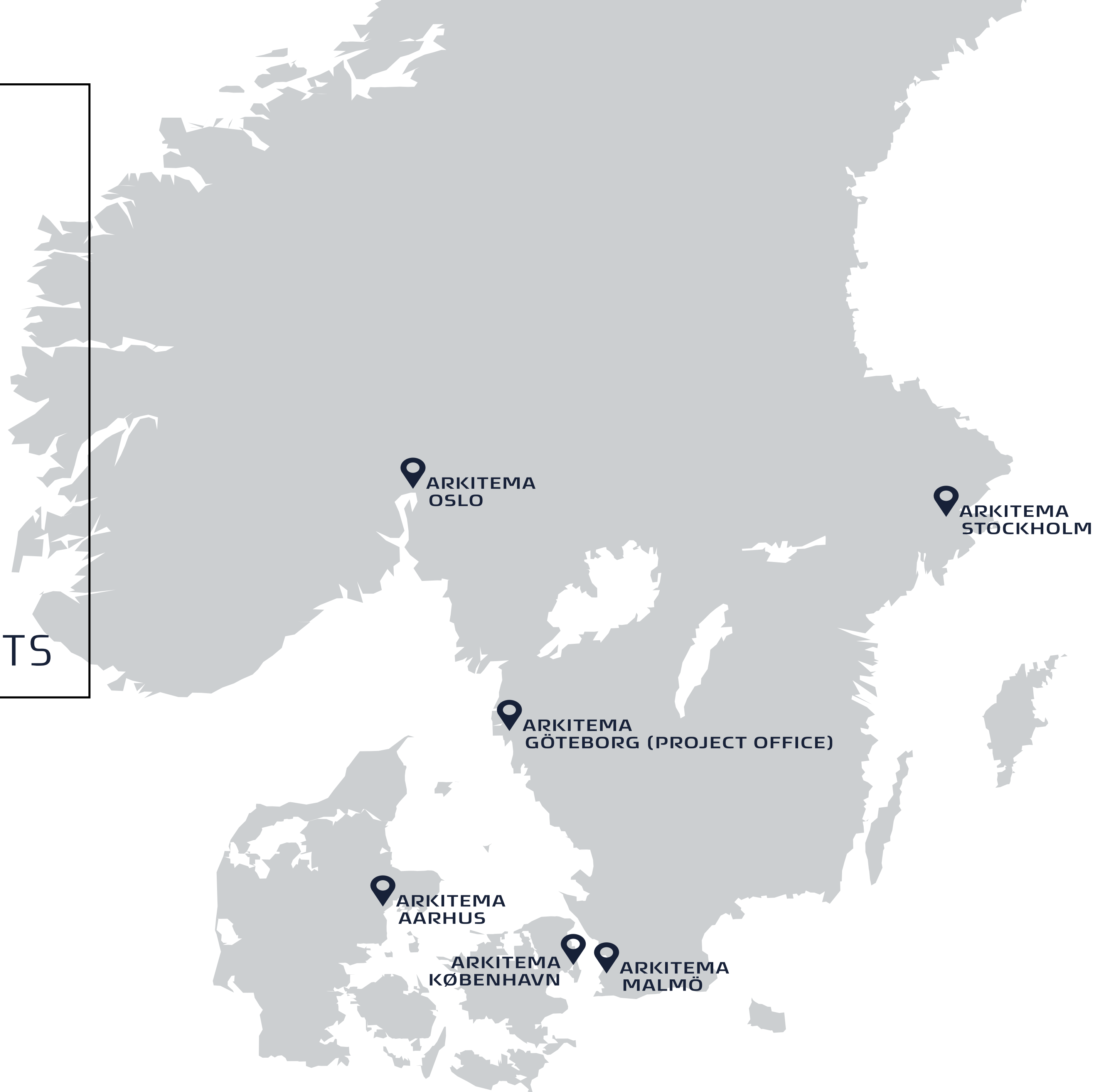
BIRGITTE GADE ERNST

Partner Arkitema Architects/

*Business Area Manager Arkitema HEALTH
Architect MAA*

ARCHITECTURE THAT MAKES A DIFFERENCE TO PEOPLE

ARKITEMA ARCHITECTS



5 (6) 

580 



ESBJERG MENTAL HEALTH HOSPITAL

OPEN WARDS

ESBJERG, DK, 13.000 M²
CONVERSION AND NEW
CONSTRUCTION 2011 - 2014



SKEJBY MENTAL HEALTH HOSPITAL

OPEN AND CLOSED WARDS

AARHUS, DK
55.000 M² NEW CONSTRUCTION
REGION MIDTJYLLAND
2014 - 2018

VEJLE MENTAL HEALTH HOSPITAL

OPEN WARDS

VEJLE, DK
17.000 M² NEW CONSTRUCTION
REGION SOUTHERN DENMARK
2014 - 2017



WINNER
European
Healthcare
Design award
2018



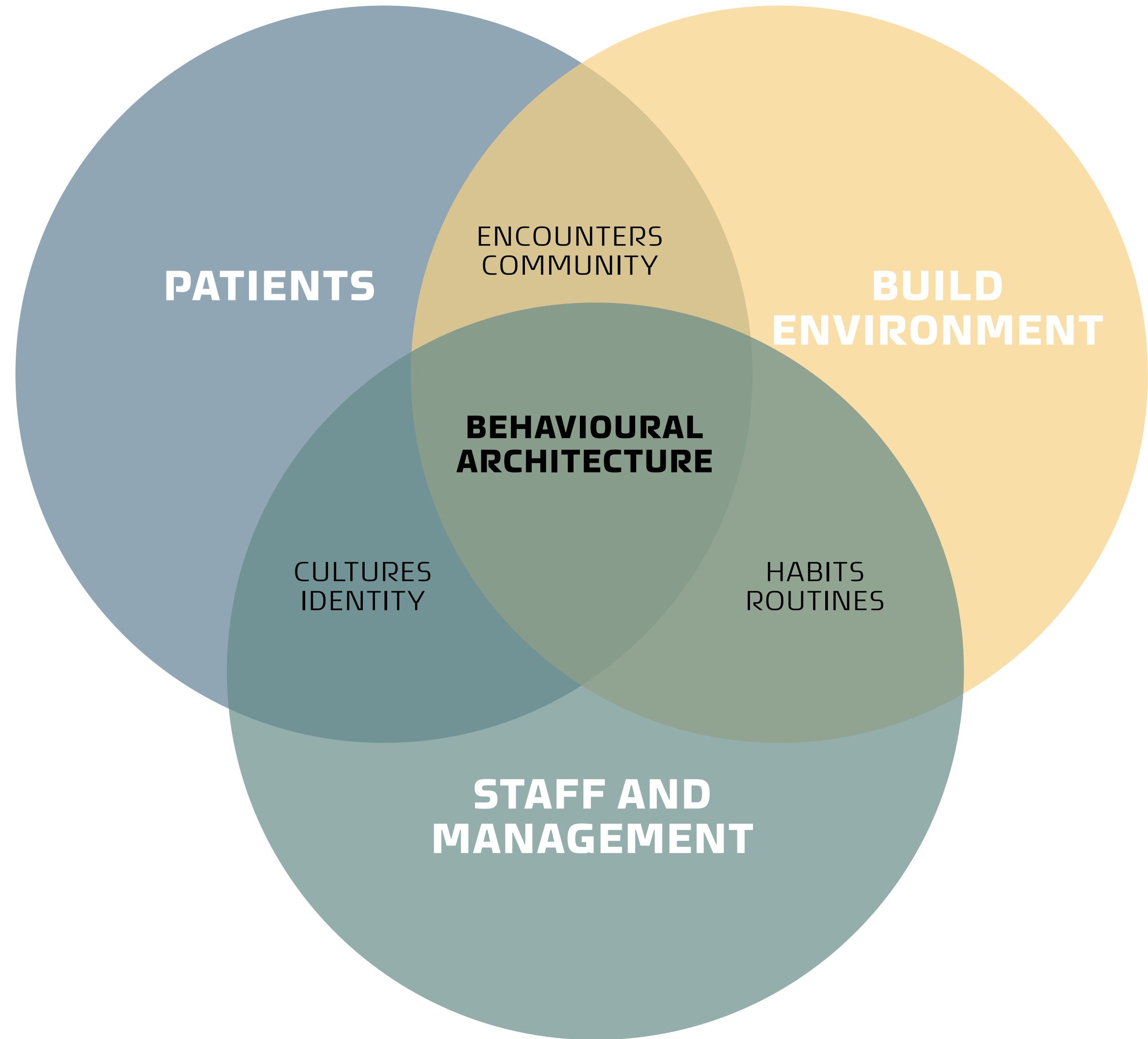
VEJLE MENTAL HEALTH HOSPITAL FACTS

17.000 M² NEW CONSTRUCTION
PPP: REGION SOUTHERN
DENMARK, DEAS,
MT HØJGAARD, MOE
2014 - 2017
SITE AT SOMATIC HOSPITAL

91 BEDS - 6 WARDS
EMERGENCY/BLEU LIGHT, ECT
OUTPATIENT CLINIC
CHILDREN'S AND YOUTH
DAYCLINIC

THE FOUNDATION

WHAT WE NEED
THE WAY WE WORK
THE TRANSLATION



BEHAVIOURAL ARCHITECTURE
FROM/ DR KERSTIN SAILER
BARTLETT SCHOOL OF ARCHITECTURE, UCL

HEALING ARCHITECTURE

HOMELY
ATMOSPHERE

DAYLIGHT AND
CIRCADIAN LIGHTING

CONTACT TO NATURE



RICKY'S STORY

THE NEW VS/ THE OLD

BLURRING THE BOUNDARIES TO
INVITE TO REENTER SOCIETY



BLURRING THE BOUNDARIES

REGAIN CONTROL

TO REENTER
SOCIETY

WHILST FEELING SAFE AND SECURE

ZONING / PRIVATE TO PUBLIC SPACE
UNGUIDED ACCES / TO OUTDOOR SPACE AND
GREENERY
/ WITH NO PERIMETER WALL
AVOIDING NARROW SPACES
TRANSPARENCY
VISIBLE AND ACCESSIBLE STAFF
SCREENING AGGRESSIVE PATIENTS
/ WITHIN OWN WARD

ZONING FROM PRIVATE TO PUBLIC SPACE

PRIVATE BED- SITTINGROOM
WITH A BATH

COMFORT AND CALM



ZONING FROM PRIVATE TO PUBLIC SPACE

GRADUATION FROM
PRIVATE TO PUBLIC:

COMMUNITY WITHIN
LIMITS



ZONING FROM PRIVATE TO PUBLIC SPACE

CONQUERING THE
COMMUNAL SPACE

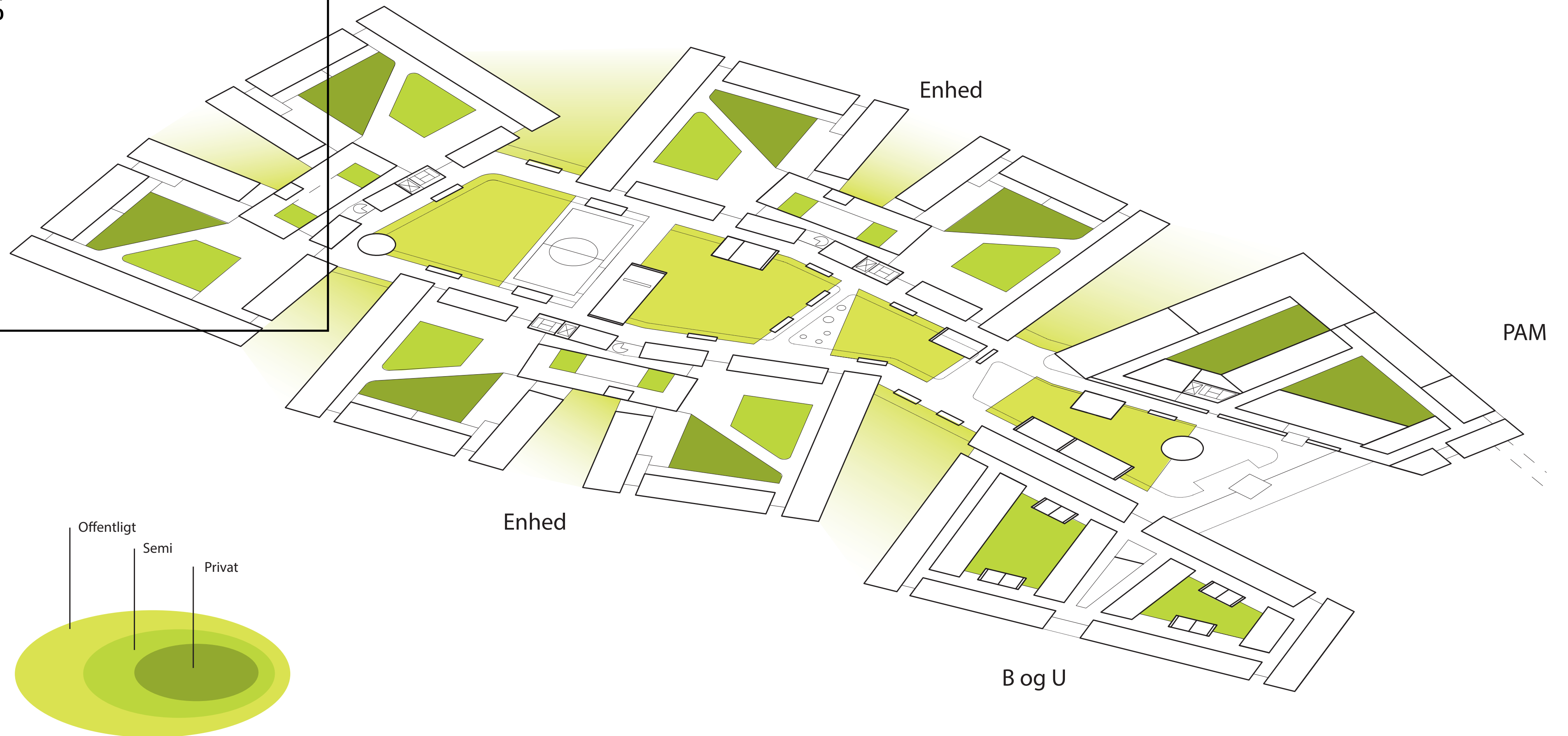
SPATIAL FLOW



ZONING FROM PRIVATE TO PUBLIC SPACE

GRADUATION FROM
PRIVATE TO PUBLIC:

OUTDOOR SPACES



UNGUIDED ACCES TO EXTERIOR SPACES

UNGUIDED ACCES TO
OUTDOOR SPACES

INNER COURTYARDS
NO PERIMETER WALL



AVOIDING NARROW SPACES

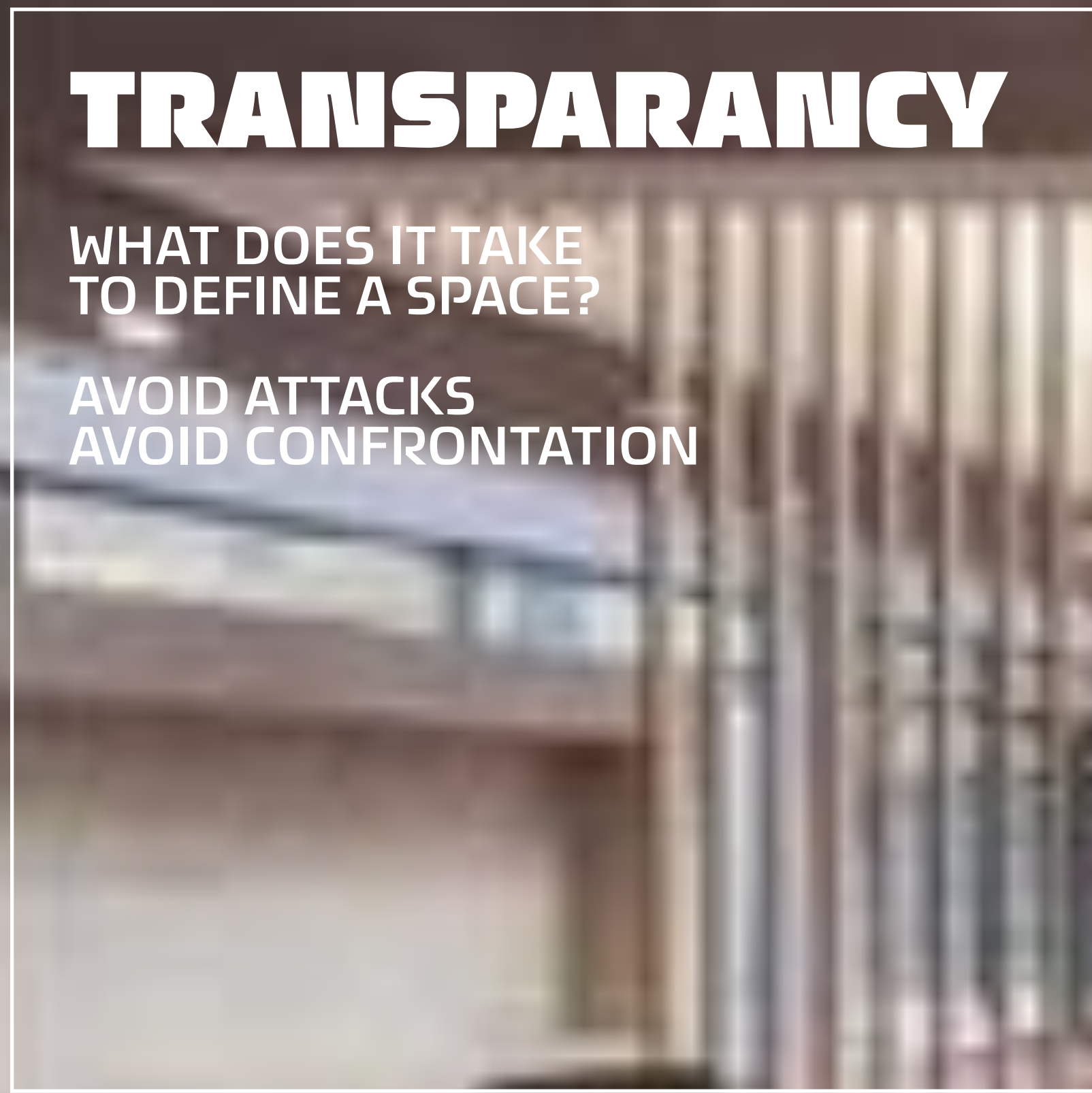
“CORRIDOR”



TRANSPARANCY

WHAT DOES IT TAKE
TO DEFINE A SPACE?

AVOID ATTACKS
AVOID CONFRONTATION



TRANSPARANCY

COLORED FOILS



VISIBLE AND ACCESSIBLE STAFF

CENTRAL POSITION WITHIN THE WARDS

LESS ALARM CALLS

PATIENTS HAVE CHOICES WITHIN THE WARD - INCL. COURTYARDS

POSSIBILITY TO SCREEN PATIENTS



**DOES IT MAKE A
DIFFERENCE?**



**THE NUMBER OF FIXATIONS IN 2015 IS
DECREASED WITH 69,9 % COMPAIRED
TO THE SAME PERIOD IN 2014**

Psykiatrien i Region Syddanmark



**THE LONG FIXATIONS +48 HOURS
ARE IN 2015 DECREASED WITH **85,7 %**
COMPAIRED TO THE SAME PERIOD IN
2014**

Psykiatrien i Region Syddanmark



**MEDICATION DELIVERED UNDER FORCE
IN 2015 IS DECREASED WITH **61,4 %**
COMPAIRED TO THE SAME PERIOD IN
2014**

Psykiatrien i Region Syddanmark




**THE TOTAL NUMBER OF PATIENTS WHO
HAVE EXPERIENCED SOME KIND OF
FORCEFUL INTERVENTION (ONCE OR
REPEATEDLY) IS REDUCES BY **30,7 %** IN
THE PERIOD**

Psykiatrien i Region Syddanmark



**THE NEW FACILITY HAS REDUCED
FORCEFUL INTERVENTIONS
SIGNIFICANTLY.
A STUDY CONDUCTED FROM FEBRUARY
TO JULY 2017 SHOWS AN APPROX. 50%
REDUCTION IN PHYSICAL RESTRAINTS
FROM THE YEAR BEFORE.**

DR.dk 27.07.2017

A woman with short blonde hair and glasses, wearing a white lab coat, is standing in a modern building with large glass windows. She is looking slightly to the right. The background shows a blurred interior space with other people and architectural elements.

**EVERYONE IS SURPRISED JUST
HOW SIGNIFICANT AN EFFECT THE
NEW BUILDING HAS HAD.
THE LARGE GLASSPANELS MAKE
IT POSSIBLE FOR US TO REACT
FASTER IF A SITUATION ESCALATES**

ANNE-GRETHER BORCH LAURIDSEN

HEAD OF SECTION, ESBJERG PSYKIATRI

**ARCHITECTURE
THAT MAKES A
DIFFERENCE TO
PEOPLE**

THANK YOU

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Partner Arkitema Architects/

*Business Area Manager Arkitema HEALTH
Architect MAA*