



# SUNDE BYGNINGER OG ARBEJDSPLADSER

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NOVEMBER 2021 at BLOXHUB

## Kick-off event: Danish German innovation lab

by bloxhub and factory hammerbrooklyn

‘Healthy Office Buildings – Bridging the Danish  
and German Markets’



**The BLOX as a Healthy Building:** Conceptual design perspectives on how the BLOX building can strengthen its profile as a Healthy Building

**BLOXHUB as a healthy building through Indoor Climate:** Concepts of solutions to strengthen indoor climate of the BLOXHUB office area "Members Lounge" & "Arena" from a Healthy Building perspective.

**BLOXHUB as a Healthy Building through Sustainable Business Operation:** Concepts of solutions for strengthening the identity of a Healthy building through sustainable business operation in the BLOX- HUB area "Residential Area"

**BLOX as a building supporting healthy living to its community:** Concepts of solutions solutions to strengthening the BLOX buildings support of healthy living to the square in front of the building (Bryghuspladsen).



**Joseph Allen, DSc, MPH**

*Assistant Professor of Exposure, Assessment Science*  
Department of Environmental Health  
Harvard T.H. Chan School of Public Health

1. Ventilation
2. Luftkvalitet
3. Termisk sundhed
4. Fugt
5. Støv og skadedyr
6. Sikkerhed
7. Vandkvalitet
8. Støj
9. Belysning & views





# WHAT ARE COMPANIES LOOKING FOR IN THE FUTURE?

Adaptability/agility/flexibility/efficiency

Branded spaces & authentic story-telling for relationship building, customers, co-creation, talent pull

Environments to support change, transition & innovation (support desired behaviours/culture/specialisations)

**Social sustainability – reduce stress, biophilic design, light, acoustics, indoor climate**

Connectivity & communication - visibility/atria, wayfinding, one identity





# PHYSICAL ENVIRONMENT

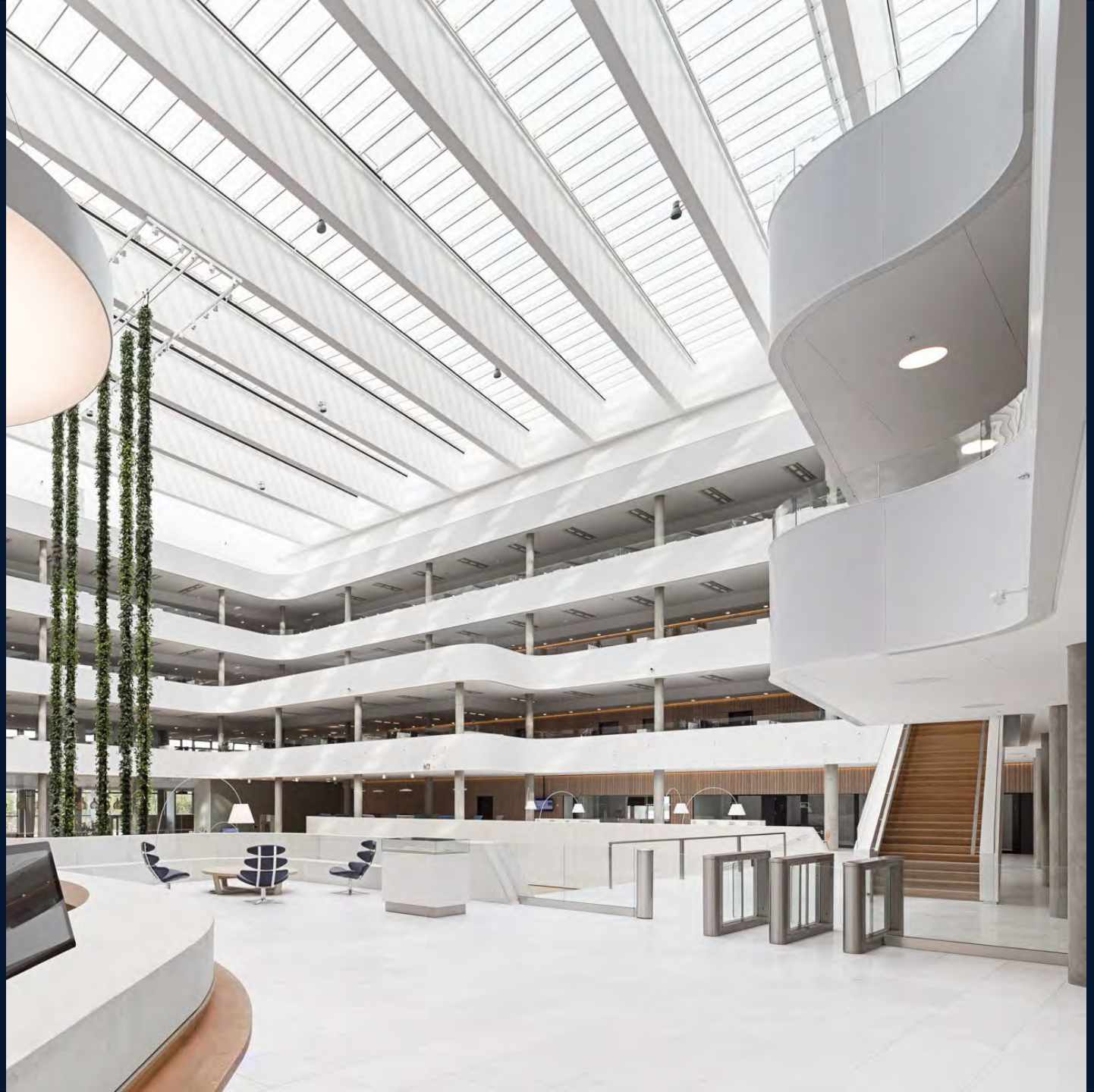
TOTAL OIL, COPENHAGEN

Good air quality  
Natural ventilation  
Daylight control (comfort light)  
Good lighting  
Good acoustic environment  
Visuals - the use of natural materials



## SAFETY & SECURITY

- Brandsikkerhed, flugtveje etc.
- Belysning trapper, fælleområder
- Belysnings udendørs adgangsveje, parkerings arealer
- Video overvågning
- Beredskabsplaner
- Sikkerhedsvagter
- Adgangskontrol





# VAND KVALITET

PLH Arkitekter samarbejder med COWI og NIRAS / Krüger om udviklingen af tre vandværker for vandforsyningsselskabet HOFOR, der forsyner flere kommuner i hovedstadsområdet med drikkevand. I dette område er vandet fra naturens side meget hårdt, derfor bliver der etableret blødgøringsanlæg på fem af HOFOR's vandværker i løbet af de kommende år





# STØJ

- Udefra kommende støj fra f. eks. trafik, fly, byggepladser etc.
- Akustik
- Rum og zoner
- Støj fra ventiltions anlæg
- Støj fra printere og kopi maskiner
- Implementering af “hvid støj”





# STØJ

Akustik beklædning af betonkerner



Akustik beklædning af  
balkonforlanter





# BELYSNING, DAGSLYS OG UDSYN





# BELYSNING

I Danmark  
fortrækker mange  
en kombination  
indbyggede  
armaturer og  
arbejdslamper





DAGSLYS OG UDSYN

plu



# UDVENDIG SOLAFSKÆRMNING







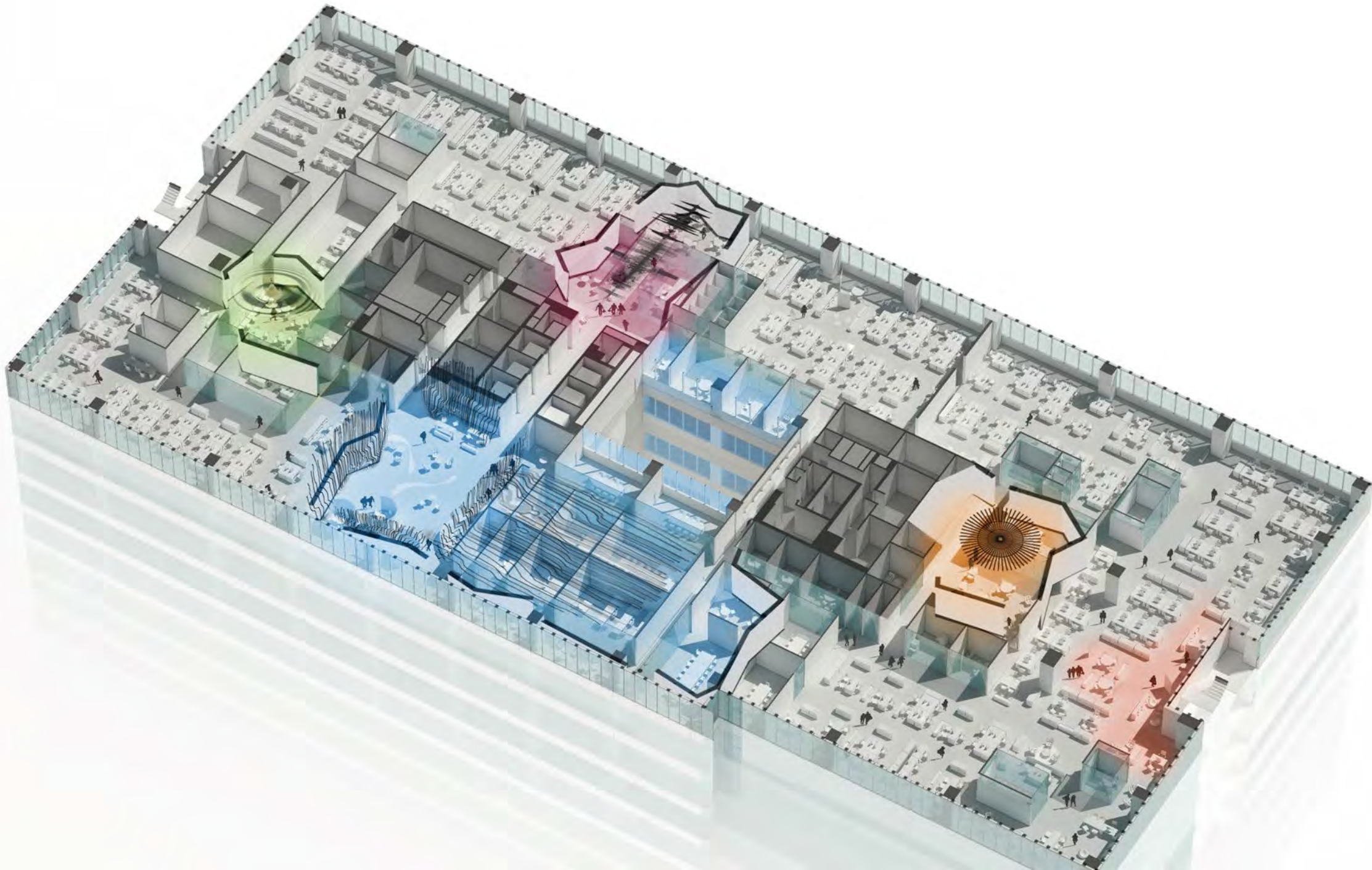
INDVENDIG SOLAFSKÆRMNING



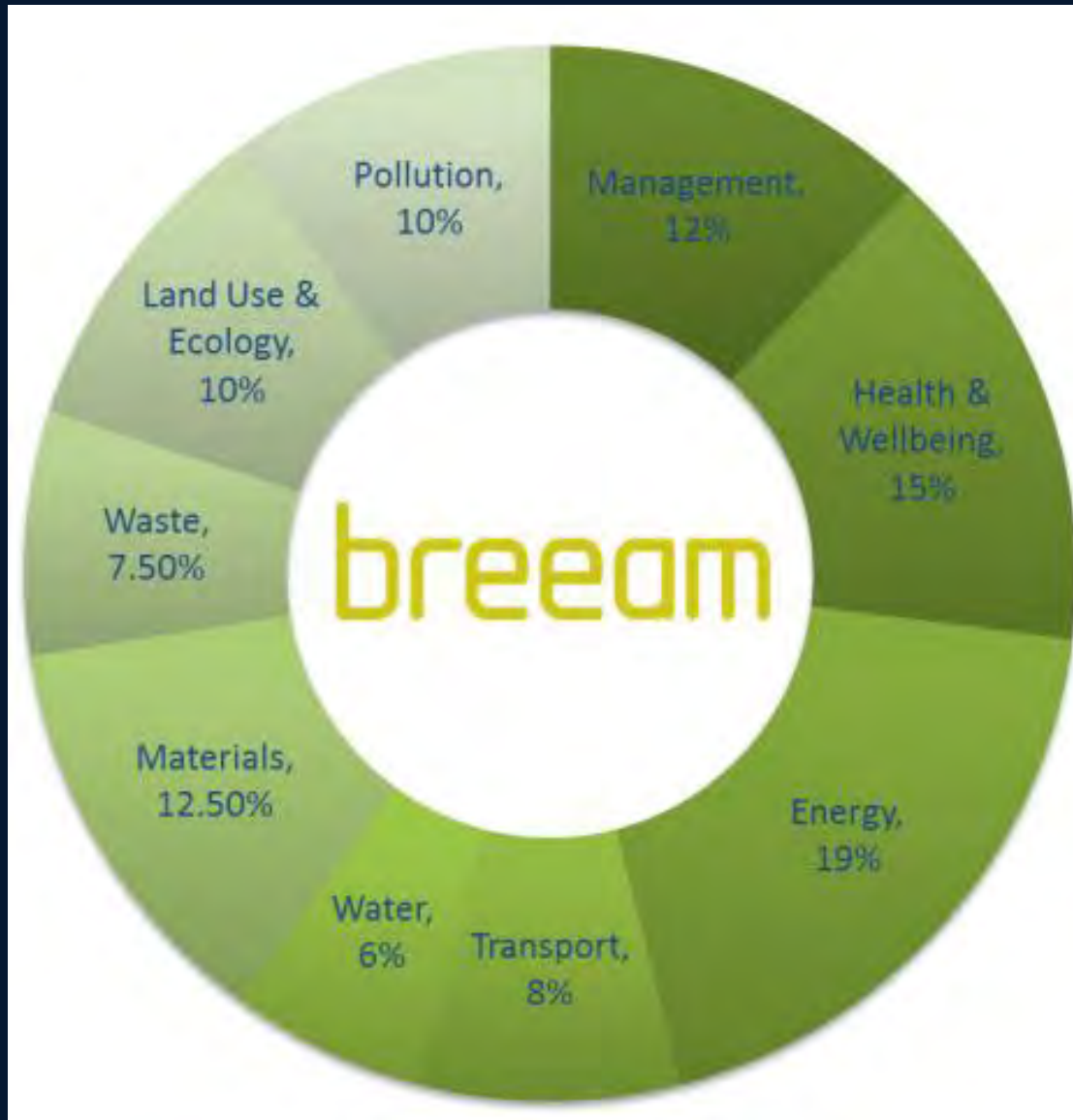
# SIVANTOS GLOBAL HQ SINGAPORE

sivantos



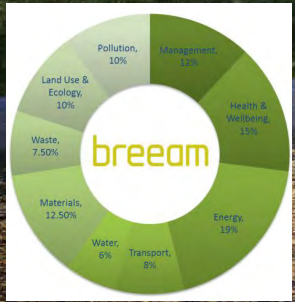






BREEAM OUTSTANDING





BREEAM OUTSTANDING



# SUSTAINABLE WORKPLACE



## PROFIT ECONOMIC

Providing clarity – spaces with clear use and purpose  
Balance of spaces for collaboration and individual work  
Variety of workspaces  
Flexibility for technology

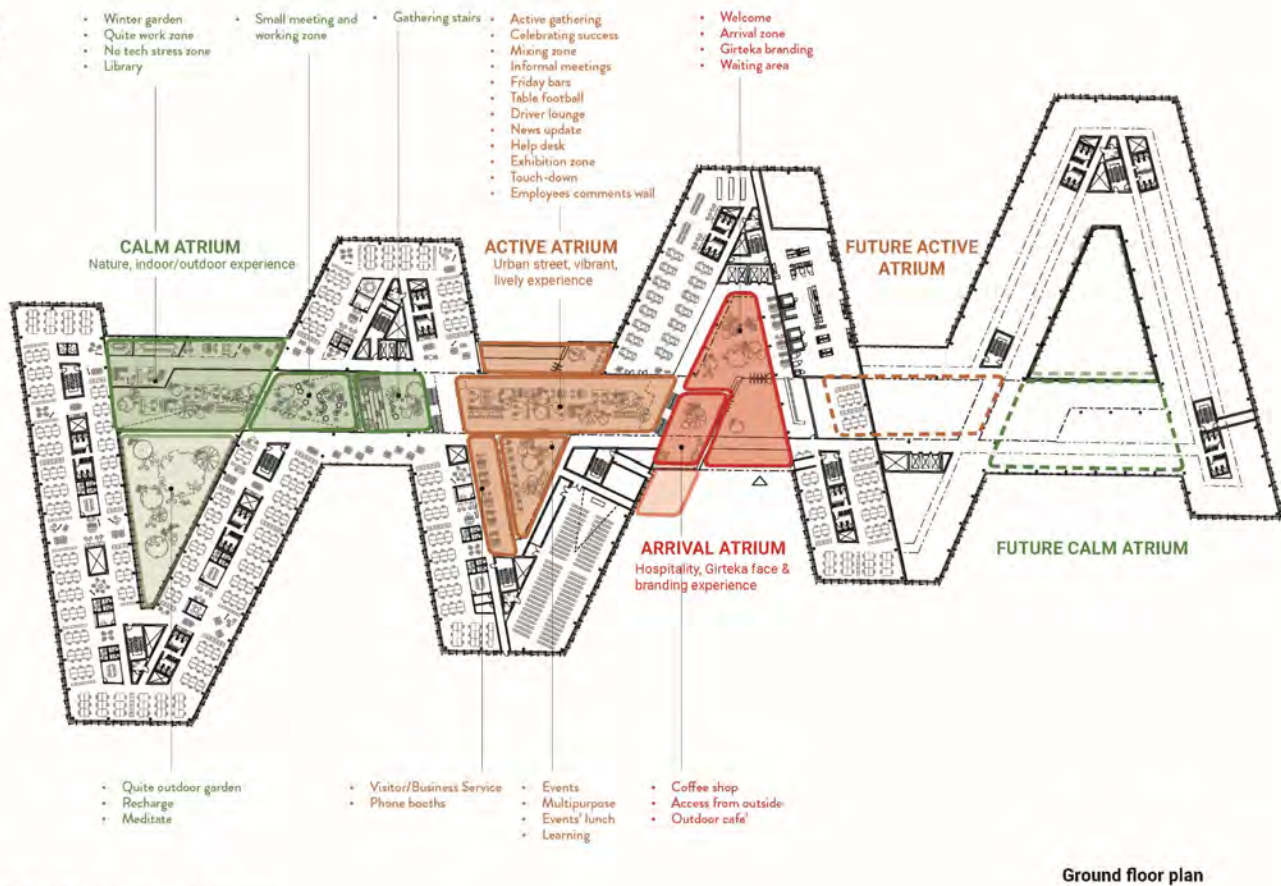
## PEOPLE SOCIAL

Well-being relaxation and recreation  
Meditation space, game rooms, and outdoor work  
Recreation spaces  
Work-life balance  
Vibrant  
Cultural rich

## PLANET ENVIRONMENTAL

Sustainable green workplace design  
Living close to workplace  
Walkable  
Accessible to public transportation  
Green indoor environments



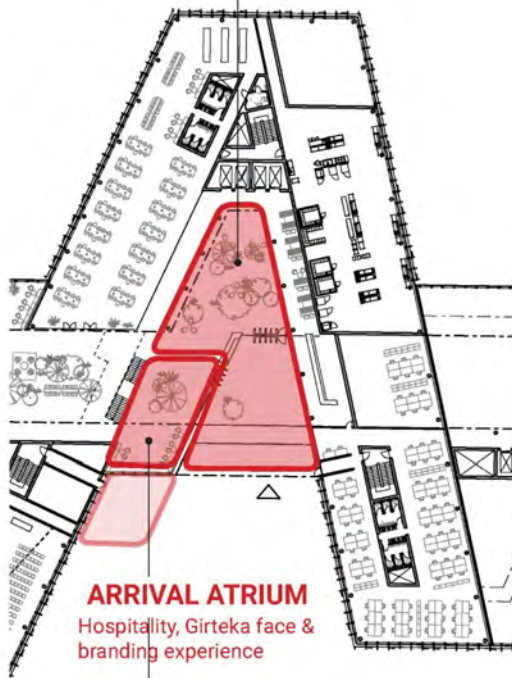


# INDOOR / OUTDOOR CAMPUS WITH 3 ZONES





- Welcome
- Arrival zone
- Girteka branding
- Waiting area



**ARRIVAL ATRIUM**  
Hospitality, Girteka face & branding experience

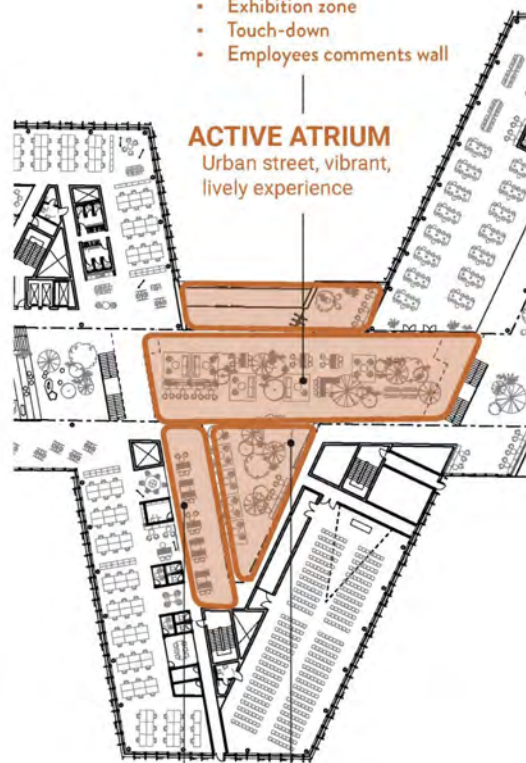
- Coffee shop
- Access from outside
- Outdoor cafe







- Active gathering
- Celebrating success
- Mixing zone
- Informal meetings
- Friday bars
- Table football
- Driver lounge
- News update
- Help desk
- Exhibition zone
- Touch-down
- Employees comments wall



### ACTIVE ATRIUM

Urban street, vibrant, lively experience

- Visitor/Business Service
- Phone booths

- Events
- Multipurpose
- Events' lunch
- Learning

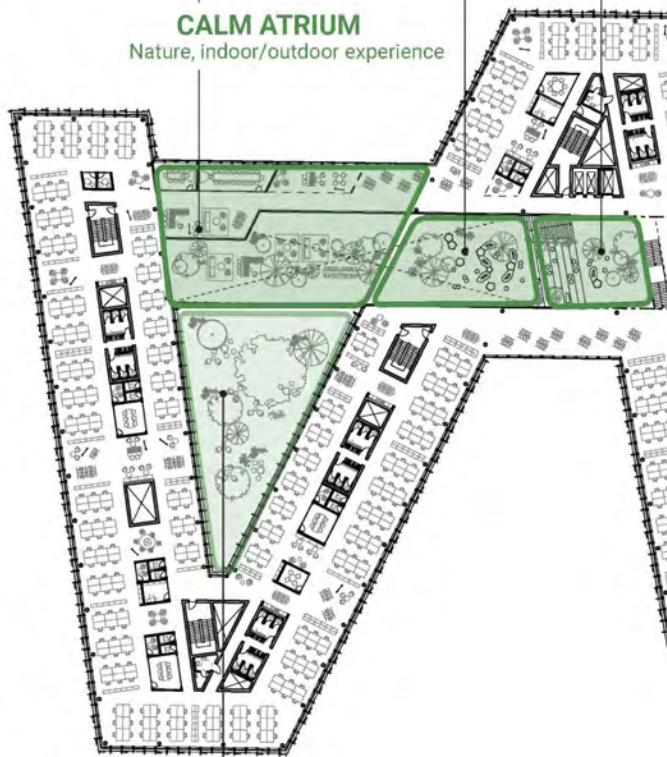




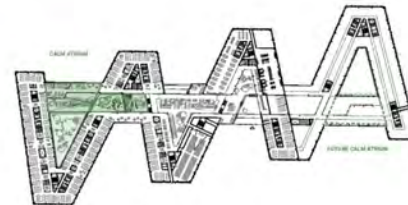
- Winter garden
- Quite work zone
- No tech stress zone
- Library
- Small meeting and working zone
- Gathering stairs

### CALM ATRIUM

Nature, indoor/outdoor experience



- Quite outdoor garden
- Recharge
- Meditate







# Biophilic Design





# Biophilic Design at Maersk Innovation Center





## WORKPLACE STRESS

Young people are becoming more and more stressed

WORKING 24/7  
"Tecno-stress"







## MAERSK DRILLING COPENHAGEN

Workplace wellbeing will become more prominent





ALLER MEDIA, COPENHAGEN  
QUIET ROOMS



# WHO, GENEVA, SWITZERLAND

"PLACES FOR READING AND THINKING"





# SUPPORTIVE ENVIRONMENTS

DSV HQ HEDEHUSENE, DK

Work environments are being made more comfortable and desirable, so work atmospheres are becoming more like home atmosphere





# HEALTHY WORKPLACE

"THREADMILL DESKS"







NOVO NORDISK, COPENHAGEN  
"OUTDOOR FITNESS AREA"





A NEW INNOVATION CAMPUS  
"OUTDOOR AND WALKING MEETINGS"



# ALLER MEDIA, COPENHAGEN WORKPLACE IN AN URBAN CONTEXT – “KAYAK MEETINGS”



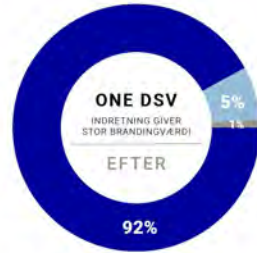


# Re-humanizing the Workplace and Surviving the Digital Transition

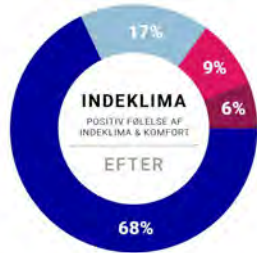
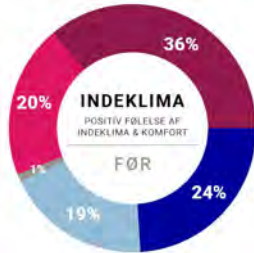




Indretning giver stor brandingværdi



Positiv følelse af indeklima & komfort



High quality workplace design improves employee health and satisfaction



# POST-PANDEMIC WORKPLACE SETTINGS

DIVERSE SETTING FOR ACTIVITY BASED  
WORKING INCLUDING HOME

A VARIETY OF MEETING SPACES  
(FORMAL AND INFORMAL)

MORE TELEPHONE / DIGITAL MEETING  
ROOMS FOR INDIVIDUAL AND TEAMS

CAFE AND LOUNGE AREAS

FLEXIBLE SEATING (SHARED DESK /  
FREE SEATING)

PROJECT SPACE / ROOMS

INNOVATION SPACE / ROOMS





# 5 TRENDS DRIVING THE NEW POST-PANDEMIC WORKPLACE

1. Mobility: Workers will now expect the ability to work remotely, and the autonomy to match work to the right setting far beyond the pandemic
2. Choice: Employees' variety of work setting must now include home
3. Privacy: Many workers already struggled to find privacy in the workplace – now they expect to maintain the privacy they have become accustomed to at home
4. Unassigned seating: Already on the rise, but with new employee concerns about sharing
5. Health & well-being: Great workplace always supported more than just work – now people expect health and wellness to be built into everything

Source: Janet Pogue McLaurin

