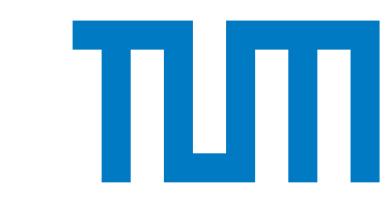
Improving staff working conditions to stop the shortage - what staff in healthcare really want



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BACKGROUND AND PROJECT IDEA

The motivation for this student project at TUM School of Engineering and Design, Technical University of Munich started with the following question:

The COVID 19 pandemic has taken such a toll on staff, with many suffering from stress and burnout. How can architecture address and express appreciation for staff?

The aim of the project was to improve working conditions, so the first step was to identify areas within the hospital where improving quality and design would have a potentially significant impact on staff wellbeing and satisfaction. Through field studies involving interviews in several hospitals, one area stood out: staff break rooms need an update including development of new concepts and a substantial facelift.

THE FOLLOWING CHALLENGES WERE ALSO IDENTIFIED:

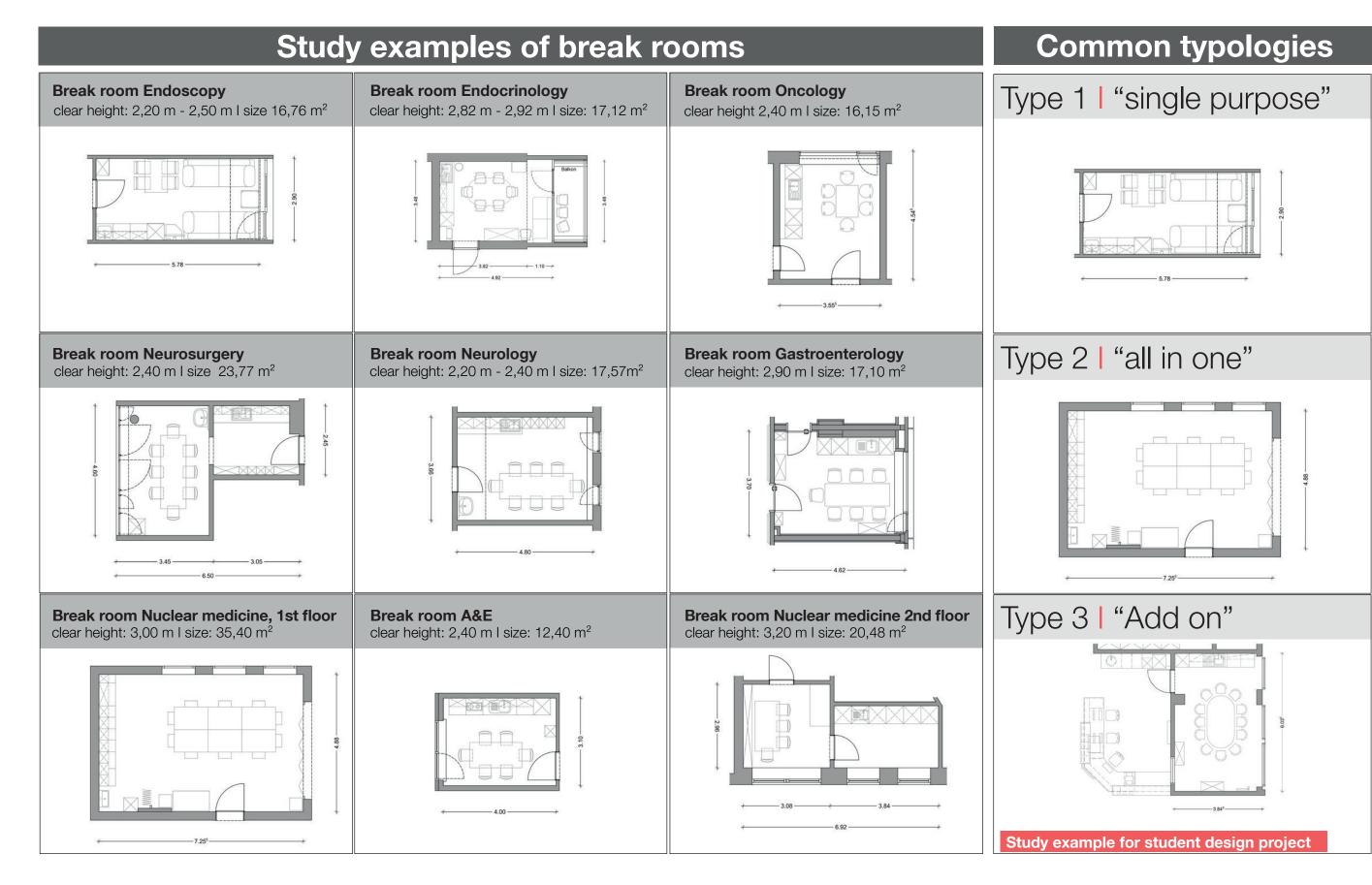
- Throughout the EU and the UK staff shortages in healthcare have been a major challenge and these are expected to worsen
- Staff are experiencing increasing physical and mental stress as well as behavioural
- health challenges • Increasing workload and overtime have resulted in less social life and a shortrecovery
- period between work shifts • The staff demographic is shifting to an increasingly aging workforce

One strategy to actively assist staff wellbeing and health is to emphasize the importance of breaks and provide spaces where staff can recharge. Transforming staff break rooms into places of respite has the potential to positively impact personal stress management and thus reduce overall stress levels. Furthermore, breaks offer a variety of options to improve healthy behaviour patterns, including physical agility.

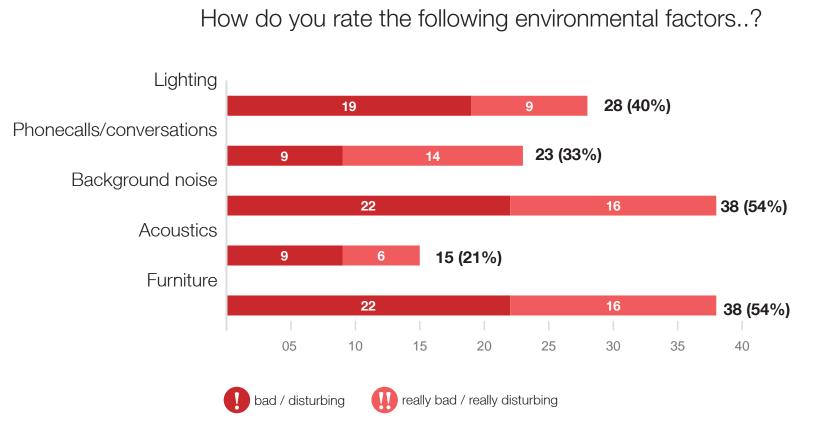
METHOD AND FIRST FINDINGS

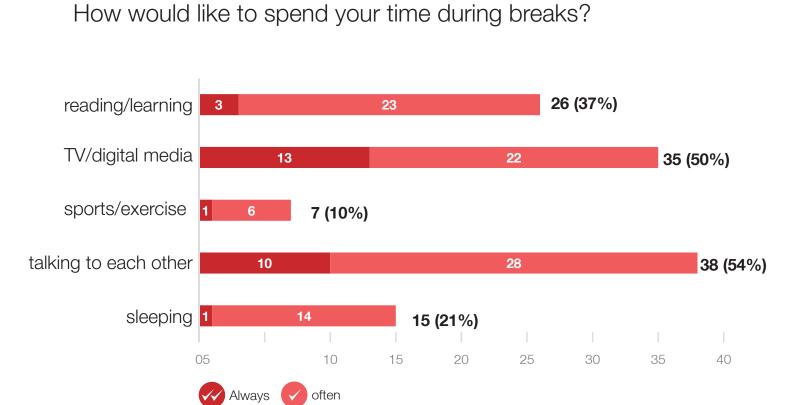
Having identified the focus area, background research was performed, including a literature review of existing guidance and codes and interviews to gain better understanding of staff preferences.

First results showed that existing break rooms often don't meet requirements and therefore don't exploit their full potential to support regeneration during breaks. Back pain, stress, overstimulation, noise and disruption were identified as principal problems that were poorly addressed.



Interviews





Interview with clinical staff from three different hospitals across Germany regarding break room design and how the participants spend their breaks. n=70, multiple answers were possible

program size of a

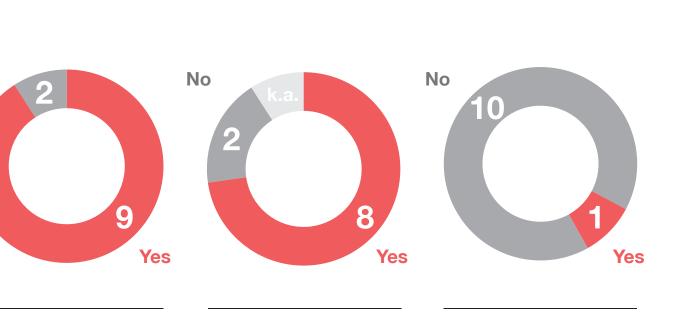
potentially increase

room size to support

multiple use and

zoning.

break room and



In your break room, do you have...

11 break rooms – averaged results per room

2020

sufficient daylight?

access to the outside?



Identifying relevant existing guidelines and

LOCATION

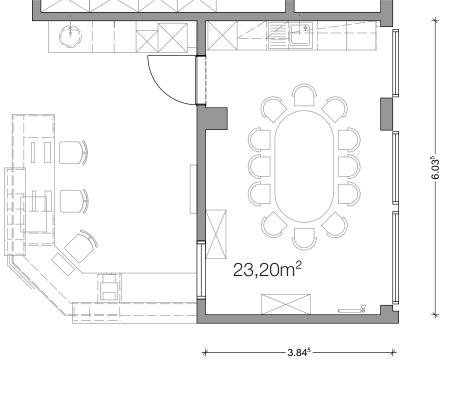
disruption.

Reconsider placement within the

unit to reduce distraction and

Project brief (in collaboration with Dr. Jens Walkowiak, Carsten Hedtstück and Maren Geissler, Helios Kliniken GmbH) Step 2 Further development of the concepts Interview with users





by Lucie Schmitz

2016

site view

2017



Timeline of the student project Project started Project finished Site visits & interviews Bogenhausen and Rechts der Isar Interviews WS 20/21 Room assessment (acoustics and lighting) Student concepts II WS 21/22 Student design concept I Corona 2022 2019 2021

used in multiple ways.

To support different

different needs split

the room into different

use and therefore

Main idea:

Step 1

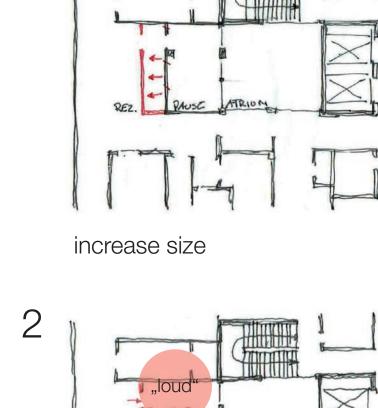
principles

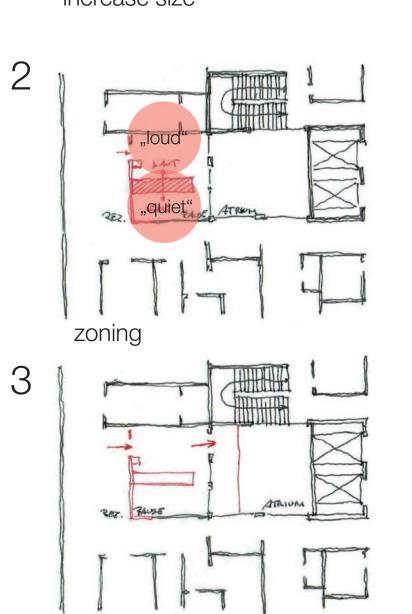
for the design

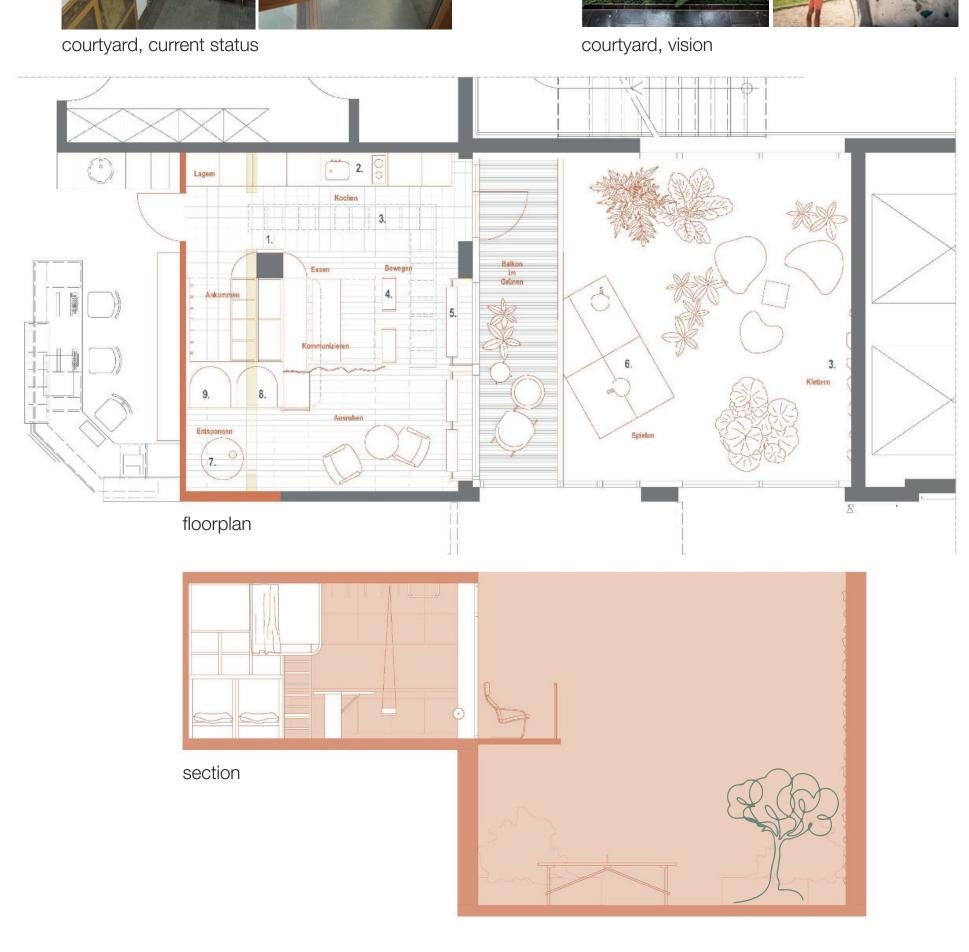
The goal is to provide a break room with strong architectural and environmental qualities (including access to the outside) to support the recharge process for staff.

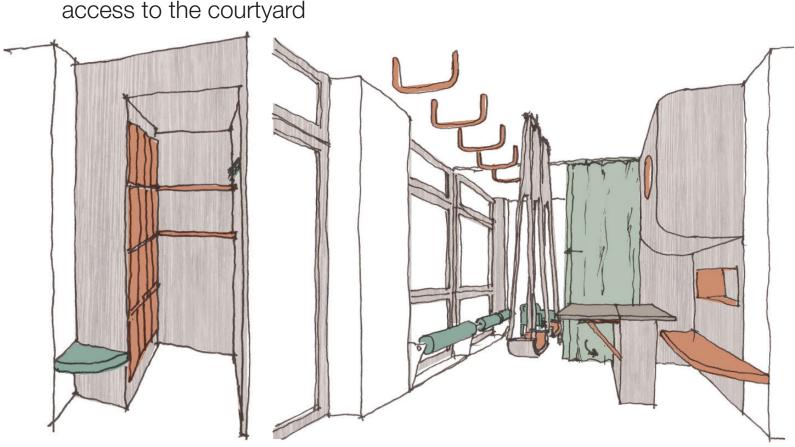
The design offers a variety of options to improve healthy behaviour patterns, including physical agility.

Interventions:







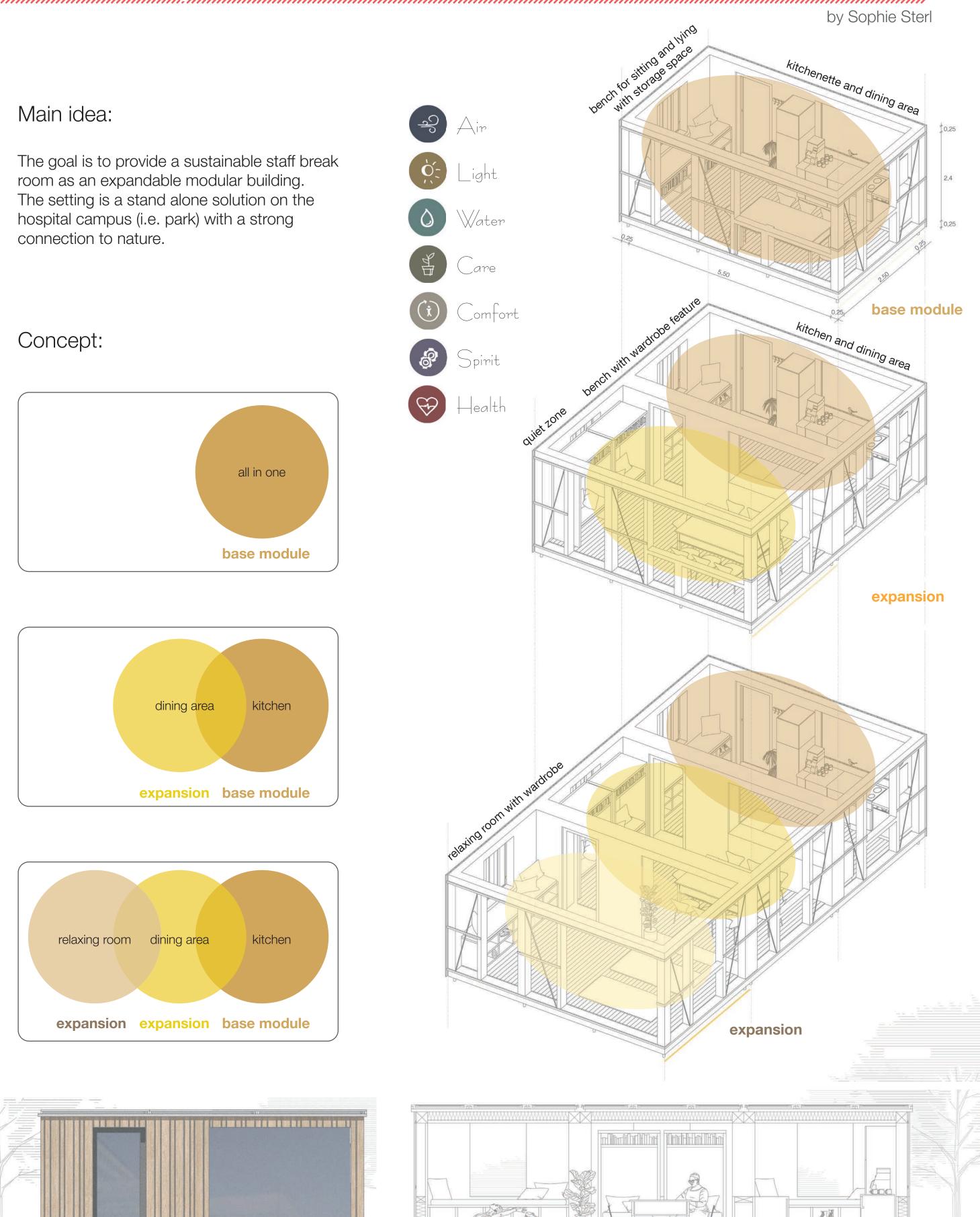






2018

multiple use?



section