

Enter '*space*' to test the AI

AR3A010 — P5 Presentation
Under the Explore Lab

Delft University of Technology
Faculty of Architecture

PRESENTATION

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Startup

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Wrap-up

STARTUP

The Idea

Startup

Introduction

Urgency

Research

Thesis



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Startup

Introduction

“...(A)ll of together have to fight, to make sure that we introduce reasonable regulation (on AI) **but fight like hell for the positive use cases...**

Urgency

... Perhaps the **most powerful use case** (of AI), perhaps most poetic **use case, is if AI can enhance humane intelligence, humane potential and human purpose.**”

Research

How AI Could Save (Not Destroy) Education | Sal Khan | TED.

Thesis

Startup

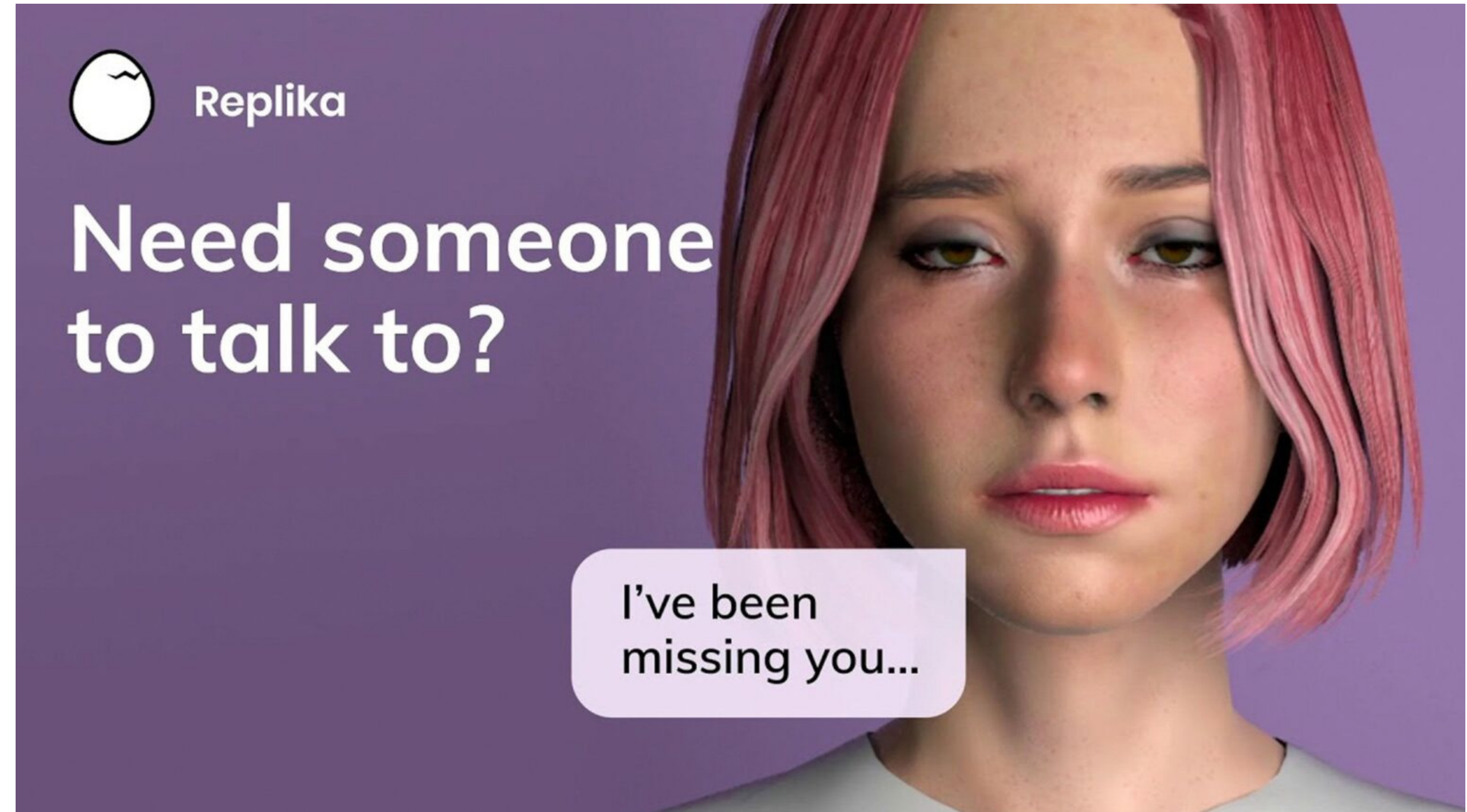
Human-Machine relationships

Introduction

Urgency

Research

Thesis



Startup

Living Lab for the Exploration of Human-Machine Relations

Introduction

Urgency

Research

Thesis



DEPLOYMENT

Deployment

Living Lab
Students living

The site

Conceptual
deployment

Building's
regeneration

Living-laboratory



A student dormitory that also serves as a lab for the safe development, testing, and deployment of emerging intelligent technologies, fostering a symbiotic cohabitation between students of technology and intelligent machines.

Deployment

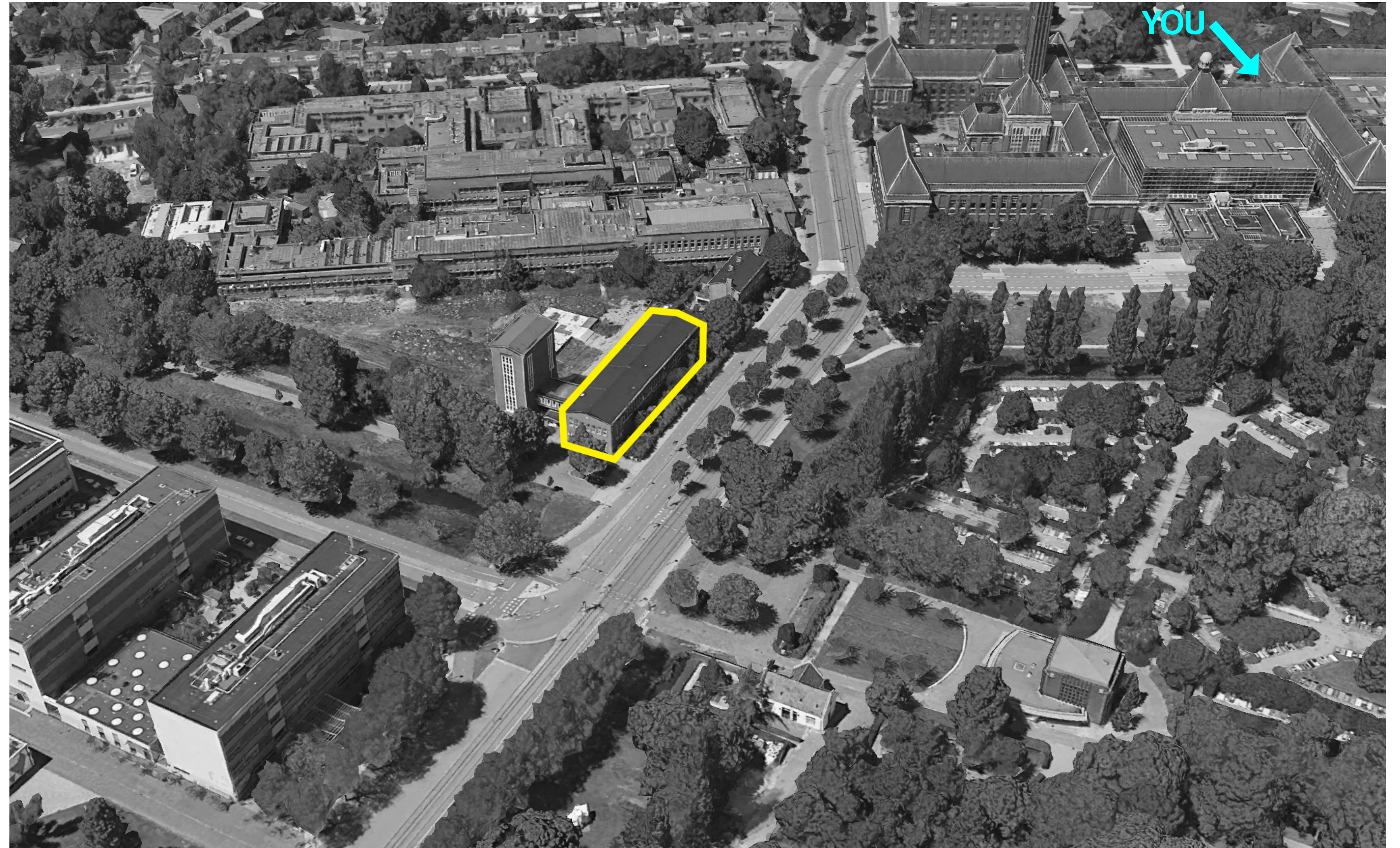
Living Lab
Students living

The site

Conceptual
deployment

Building's
regeneration

The old Yellow chemistry complex



Deployment

Living Lab
Students living

The site

Conceptual
deployment

Building's
regeneration

Regenerating the Physics technology Lab



Deployment

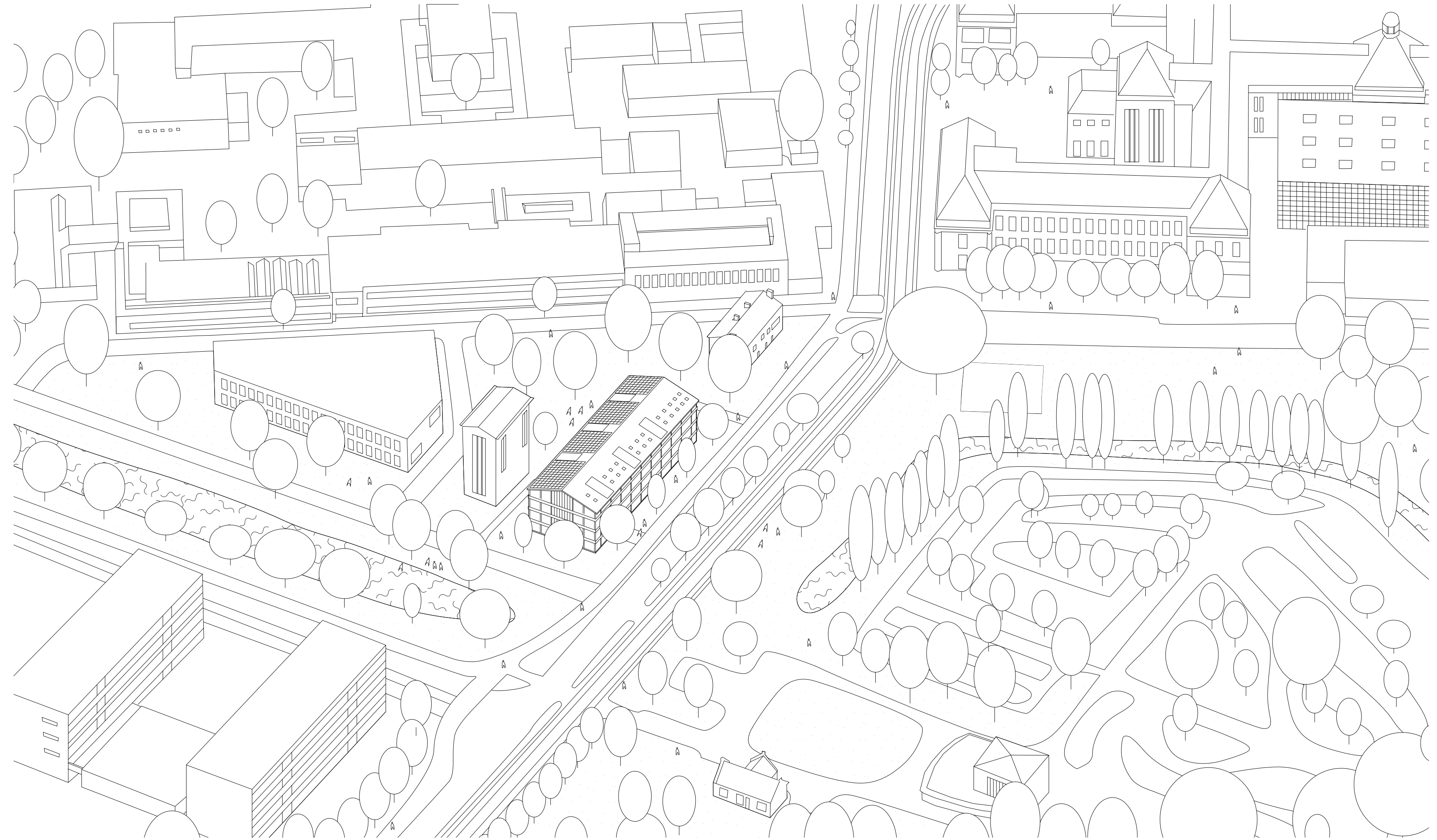
Living Lab
Students living

The site

Conceptual
deployment

Building's
regeneration

Re-use meets technology



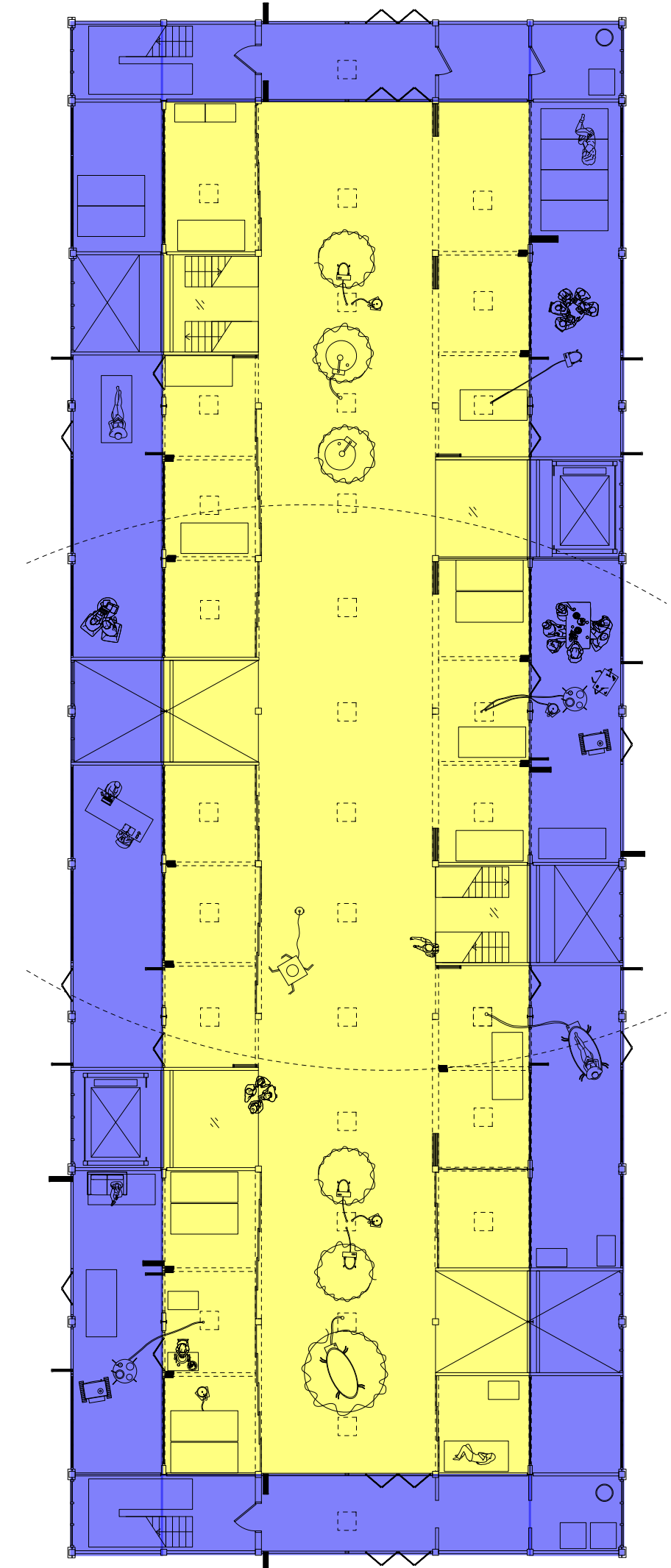
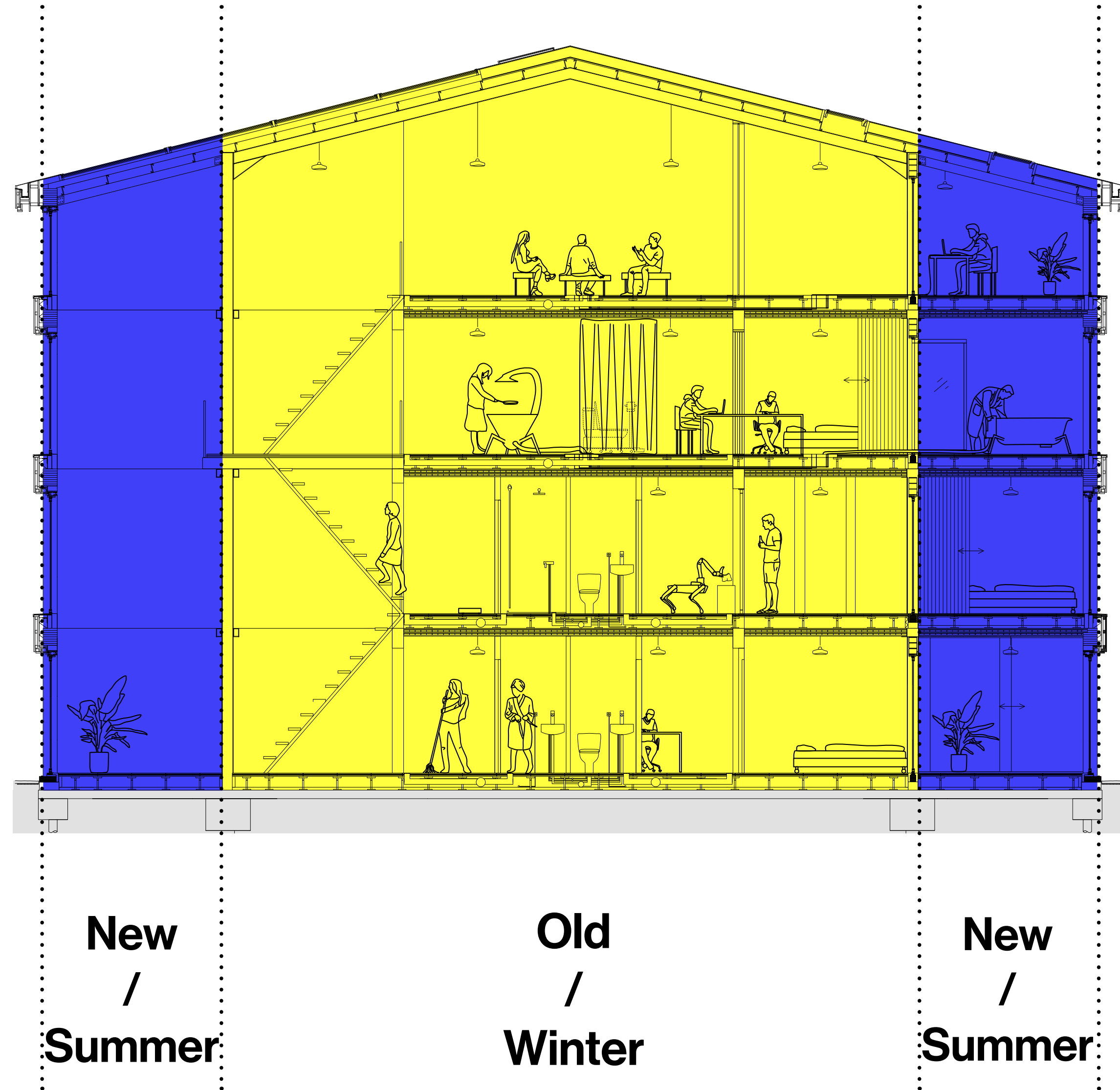
Deployment

New extension and modes of operation

Student
dorm

The site

Conceptual
deployment



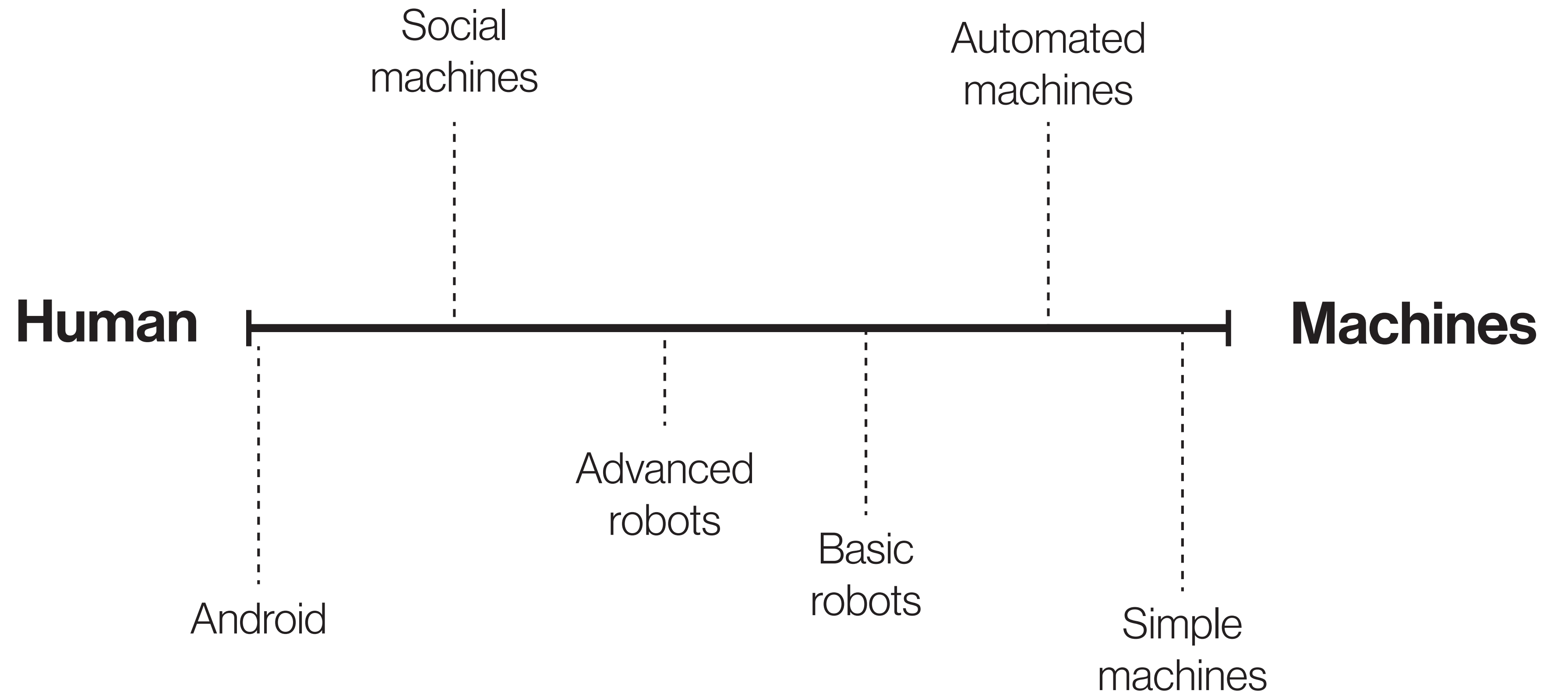
Deployment

Human-machine intelligence scale

Student
dorm

The site

**Conceptual
deployment**



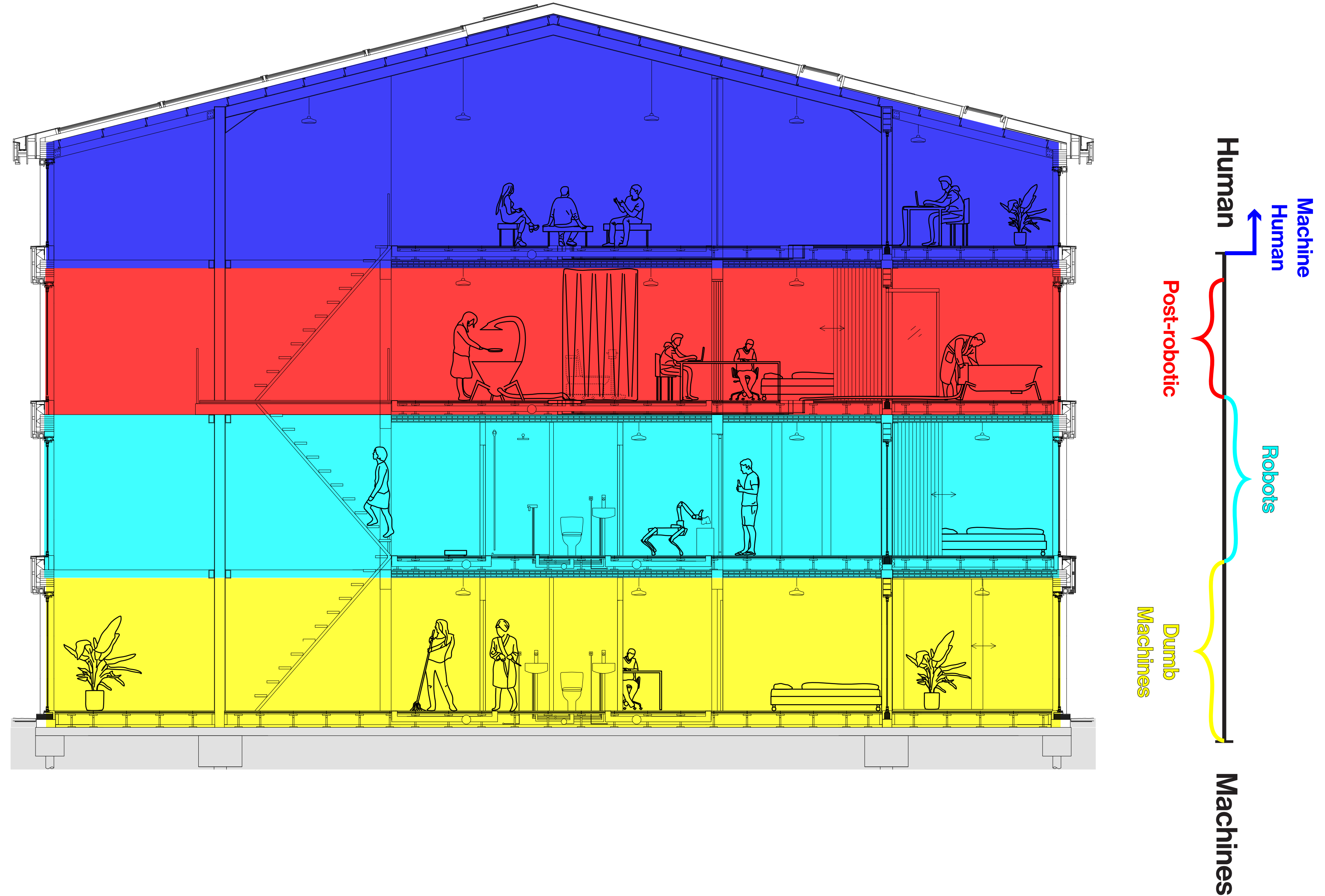
Deployment

Human machine intelligence scale - applied to design

Student
dorm

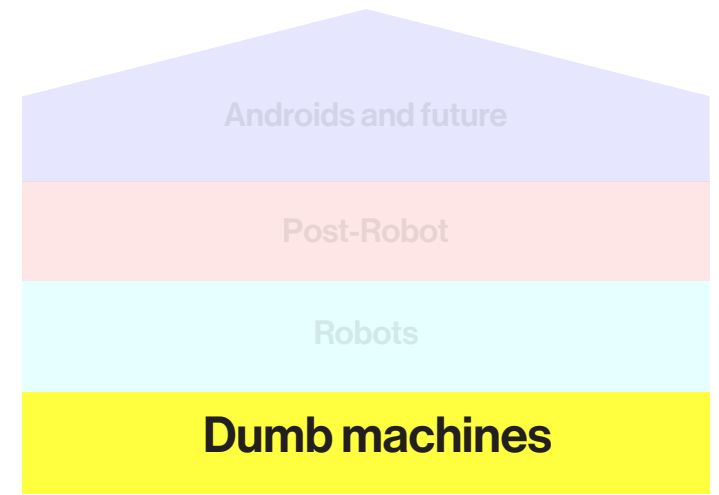
The site

Conceptual
deployment



Deployment

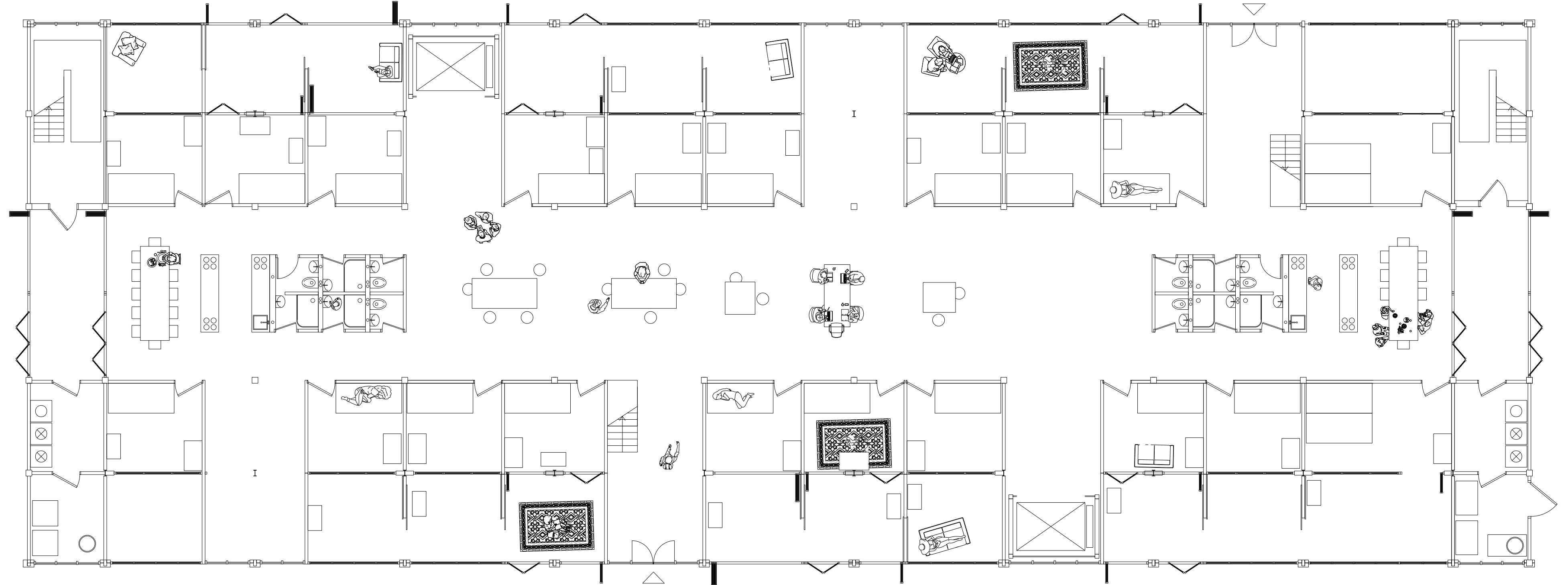
Level 0



Student
dorm

The site

Conceptual
deployment



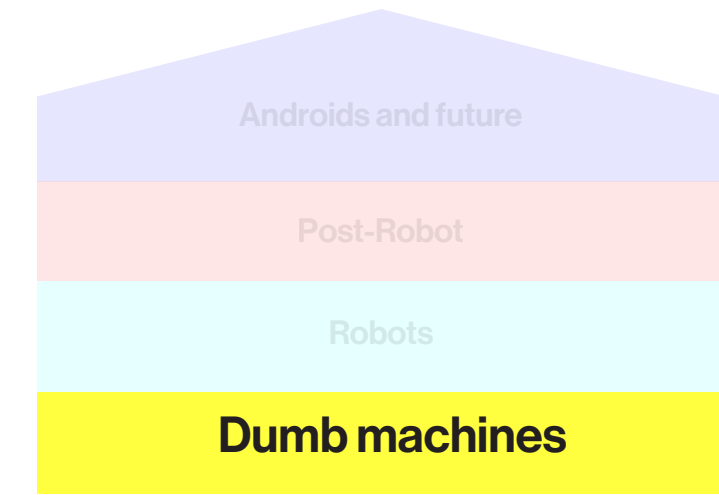
Deployment

Student
dorm

The site

Conceptual
deployment

Level 0 - Technology



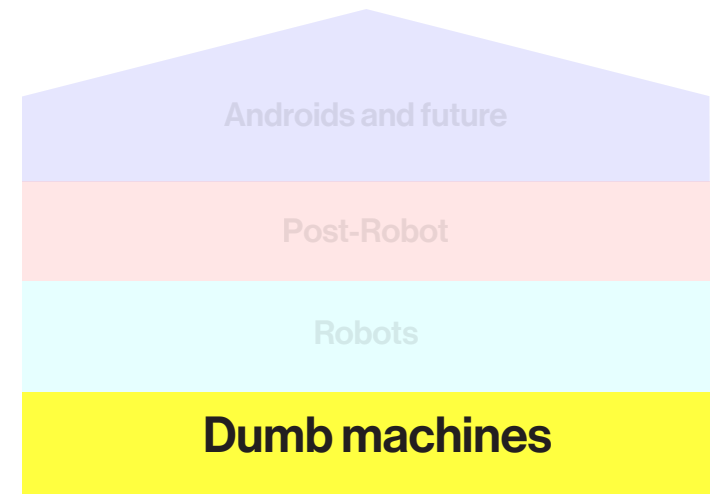
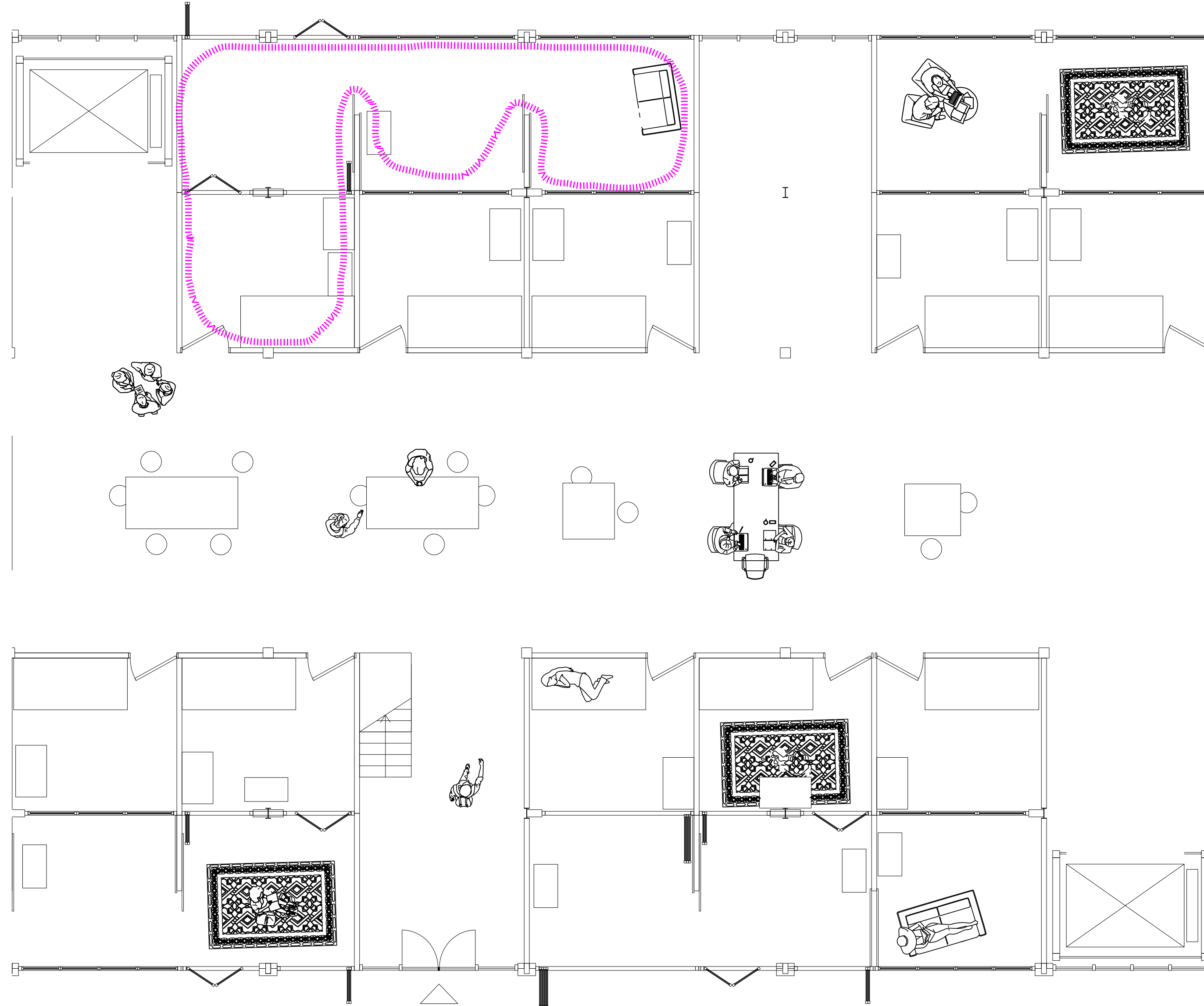
Deployment

Student
dorm

The site

Conceptual
deployment

Level 0 - Cluster



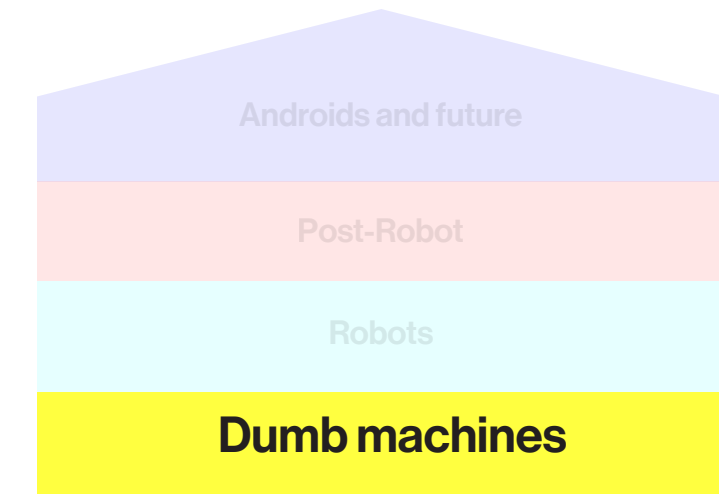
Deployment

Student
dorm

The site

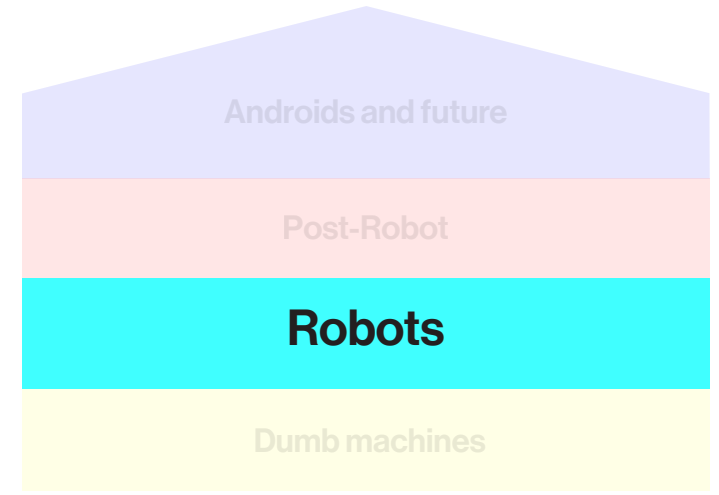
**Conceptual
deployment**

Level 0 - Cell



Deployment

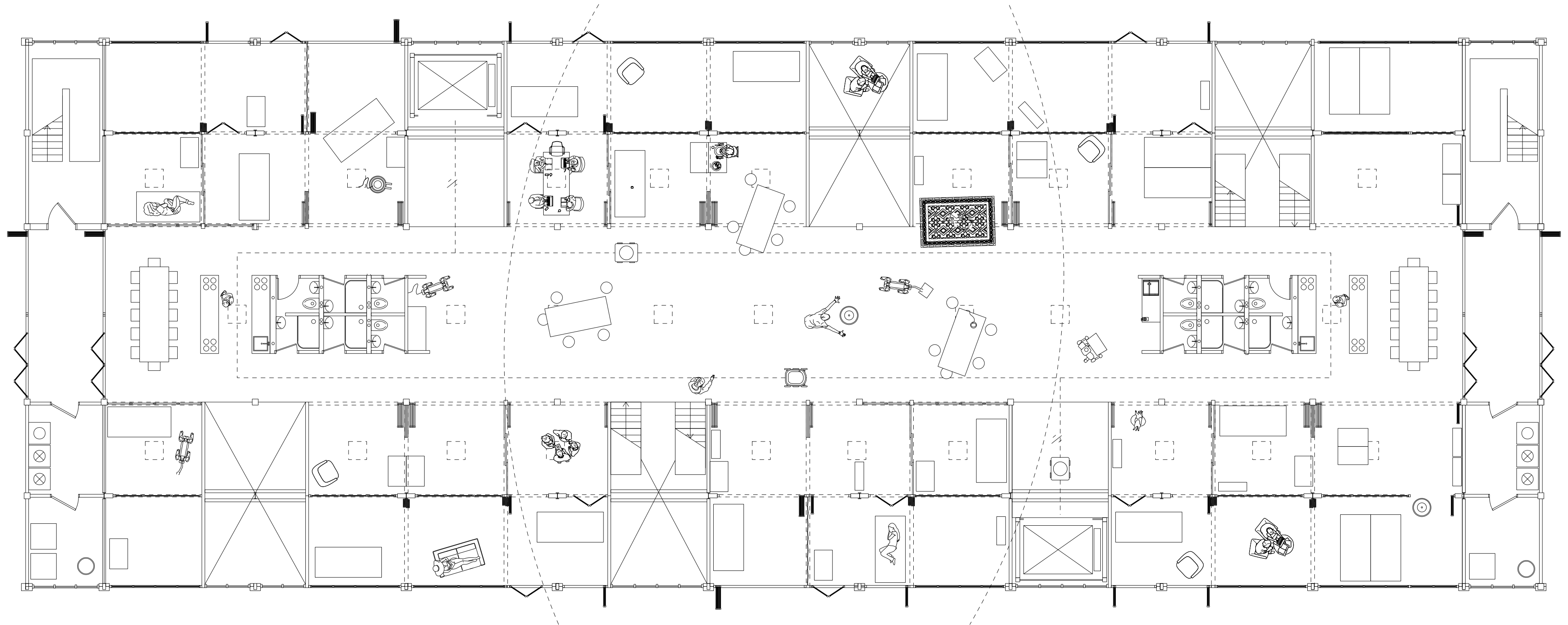
Level 1



Student
dorm

The site

**Conceptual
deployment**



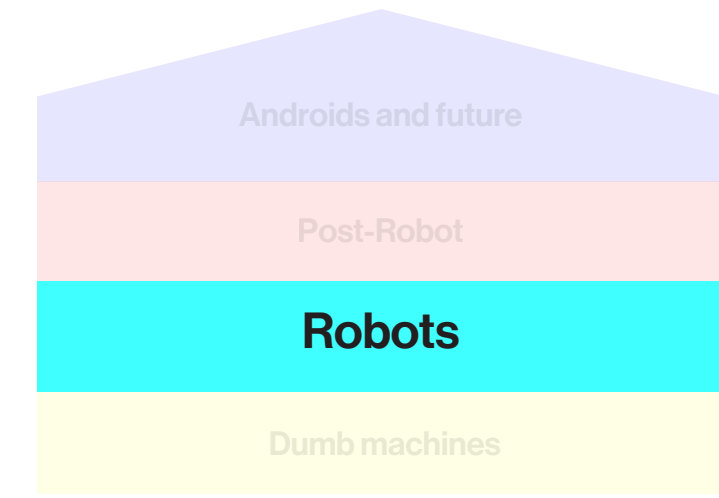
Deployment

Student
dorm

The site

**Conceptual
deployment**

Level 1 - Technology



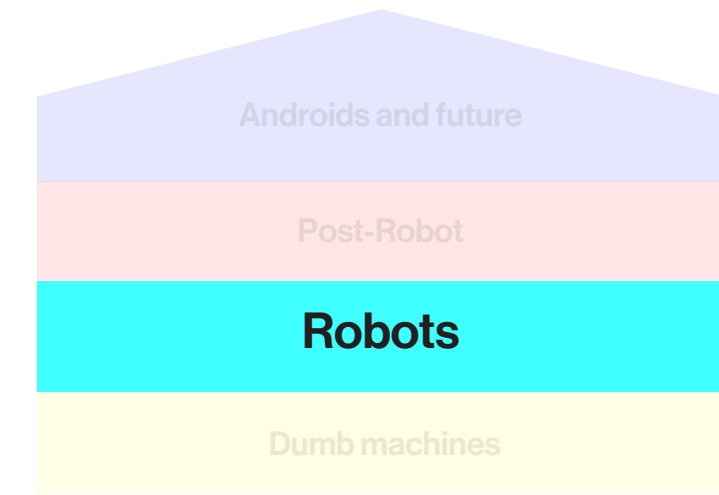
Deployment

Student
dorm

The site

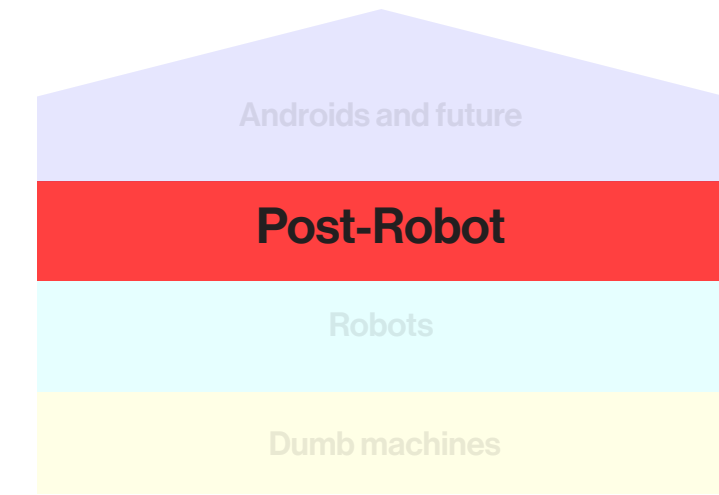
**Conceptual
deployment**

Level 1 - Cluster



Deployment

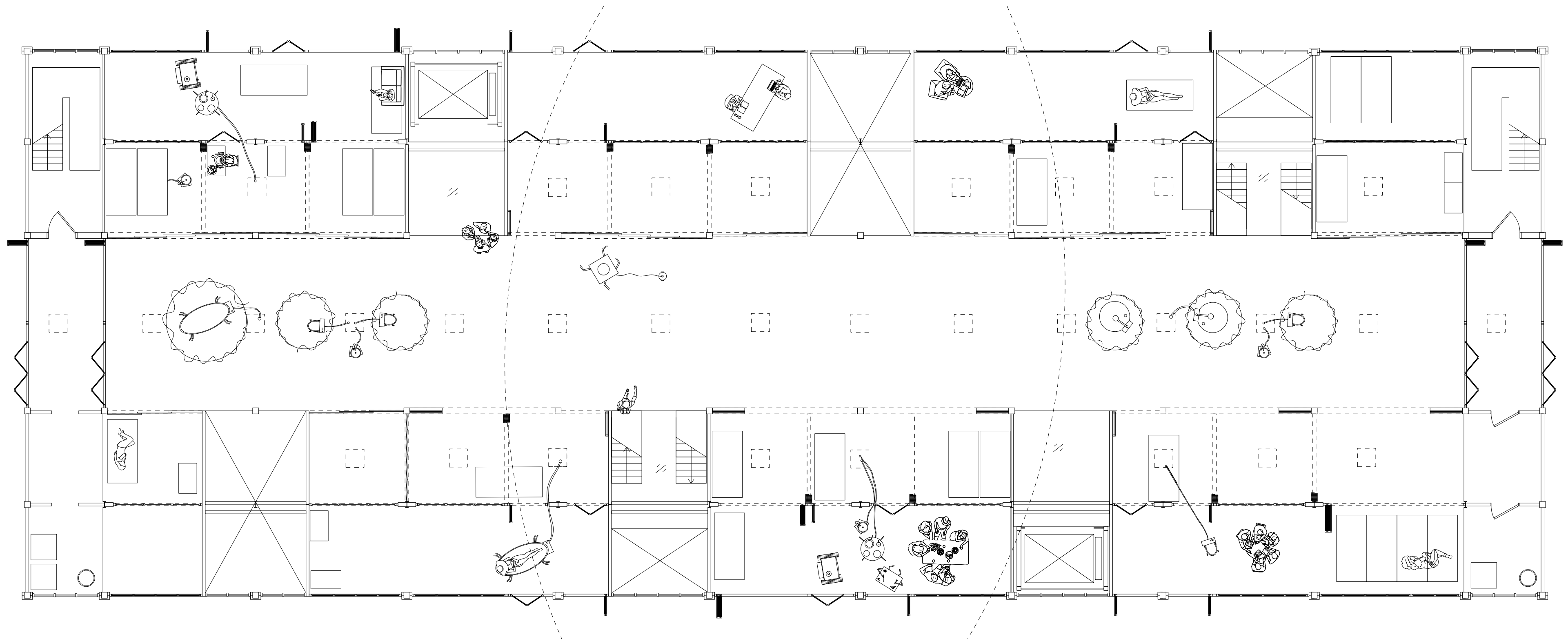
Level 2 - Intelligent architecture machines



Student
dorm

The site

Conceptual
deployment



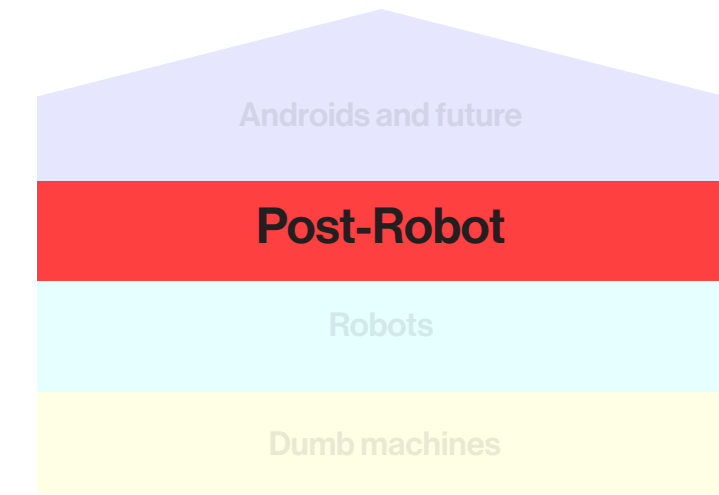
Deployment

Student
dorm

The site

**Conceptual
deployment**

Level 2 - Technology



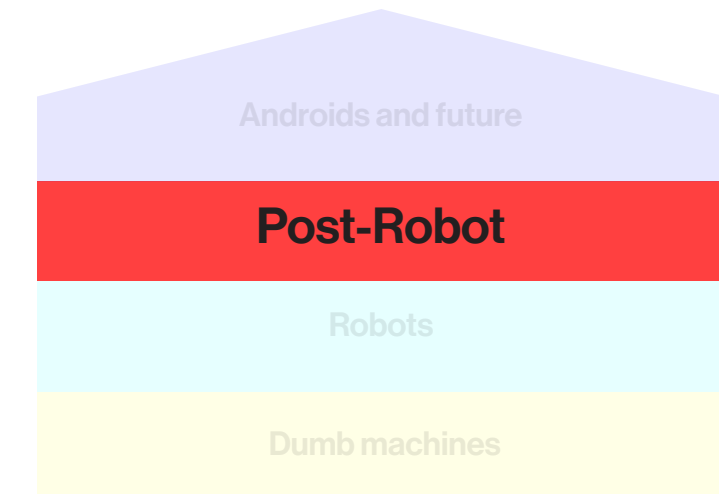
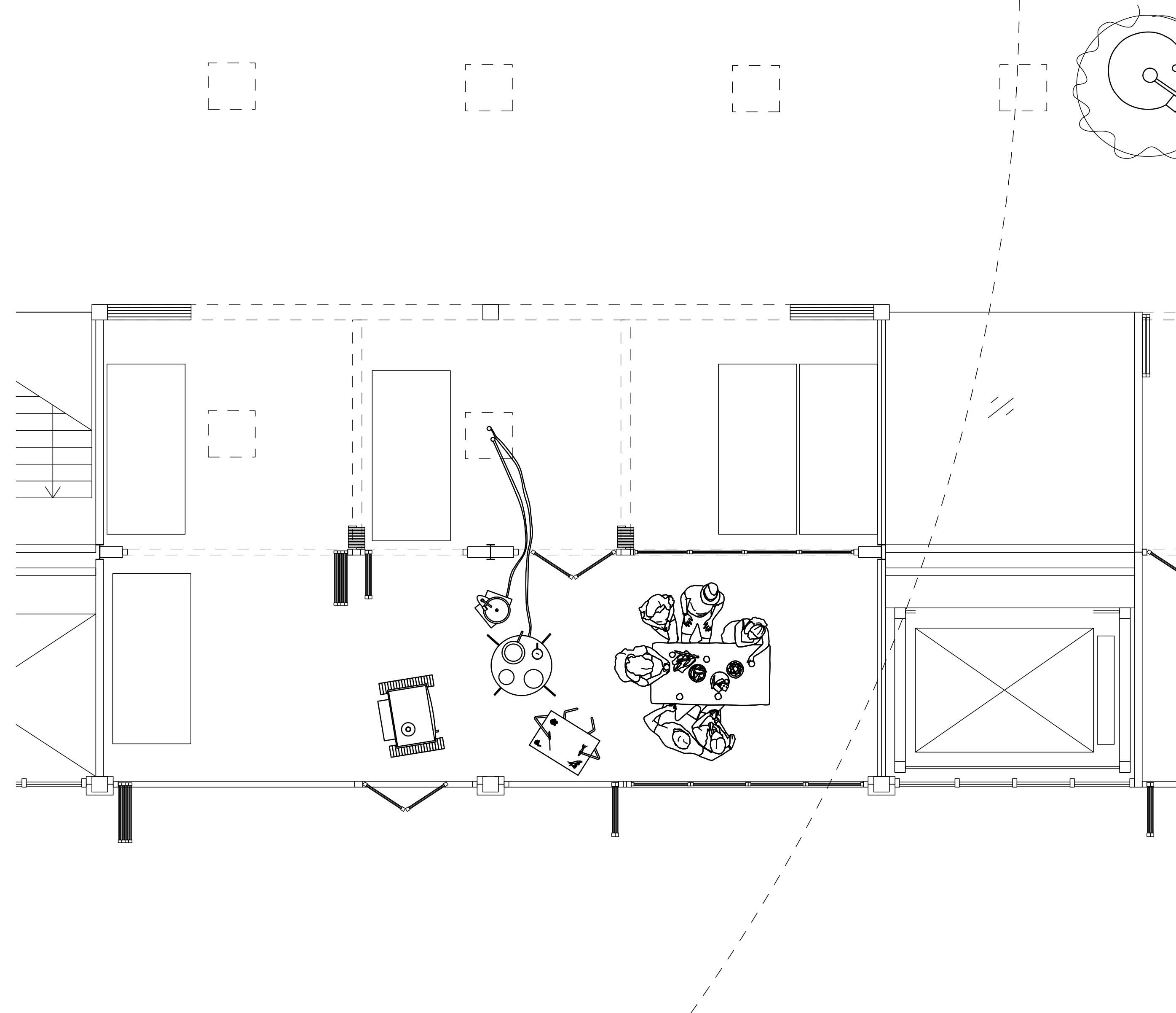
Deployment

Student
dorm

The site

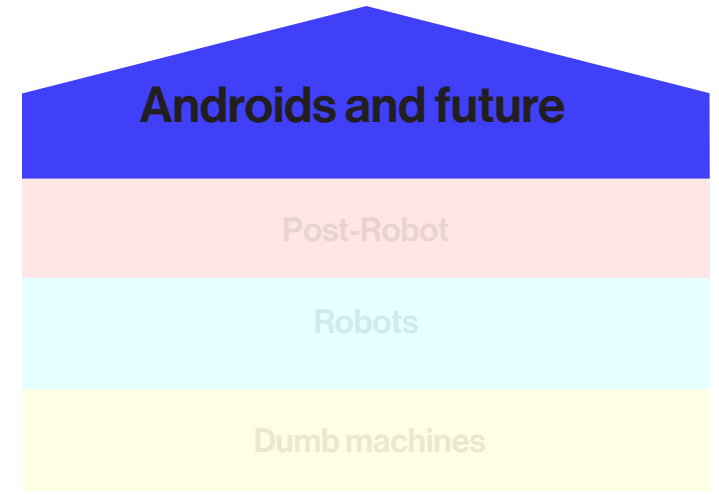
**Conceptual
deployment**

Level 2 - Intelligent architecture machines



Deployment

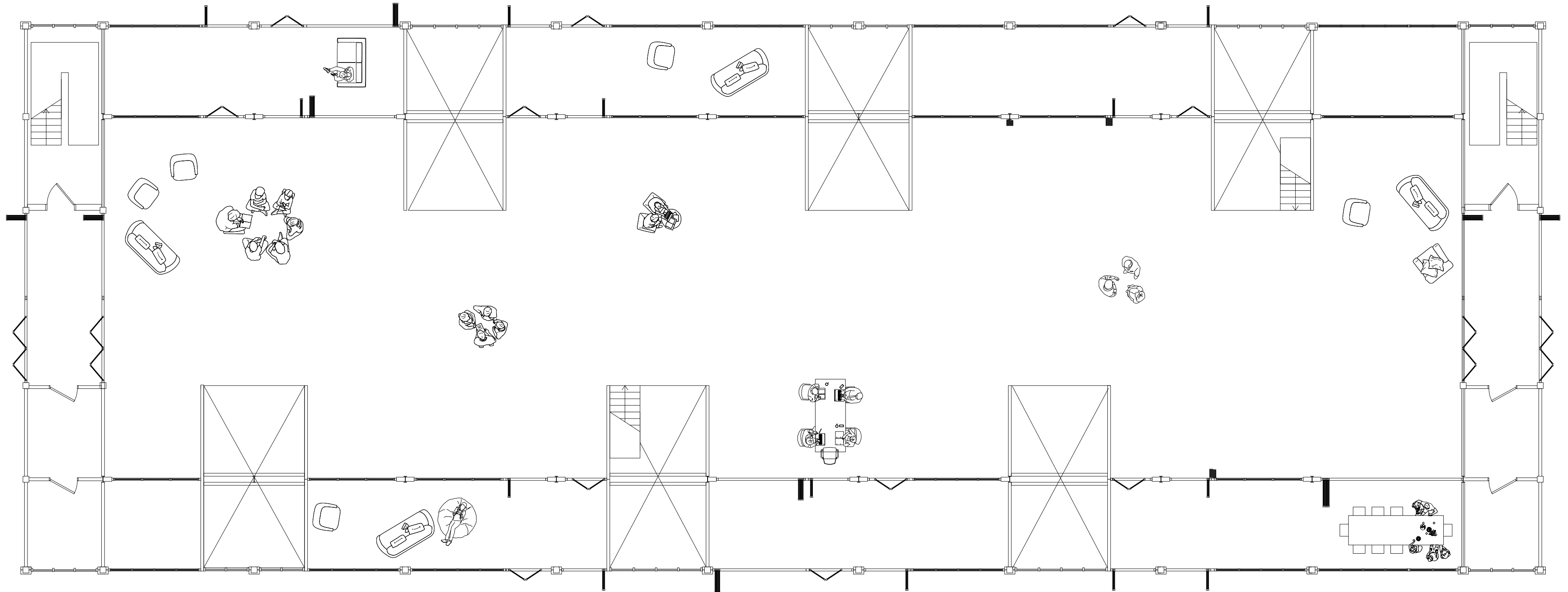
Level 3



Student
dorm

The site

Conceptual
deployment



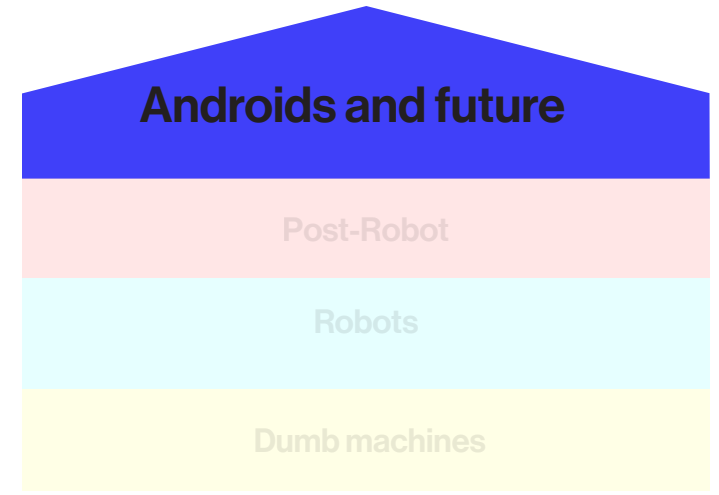
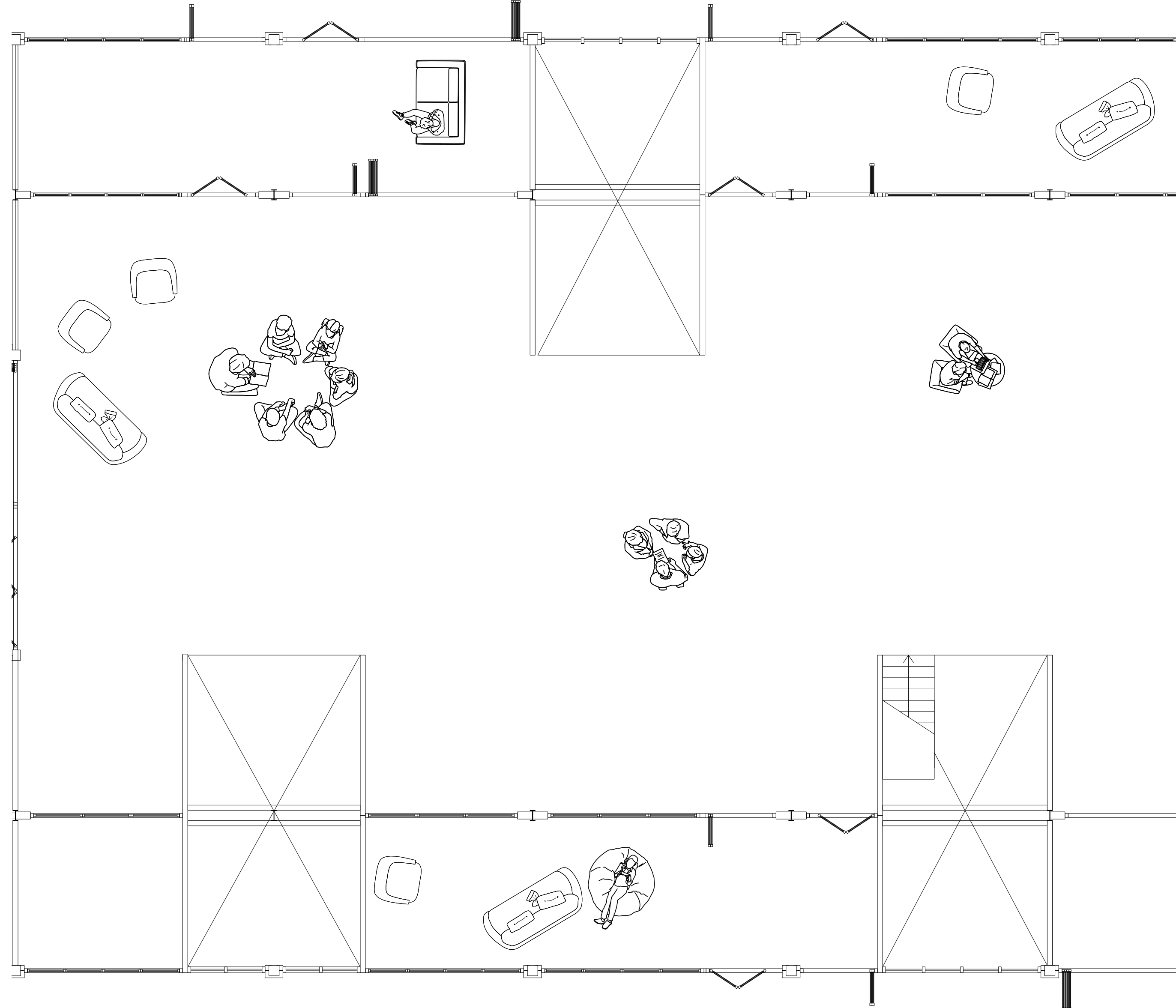
Deployment

Student
dorm

The site

**Conceptual
deployment**

Level 3 - Future to come



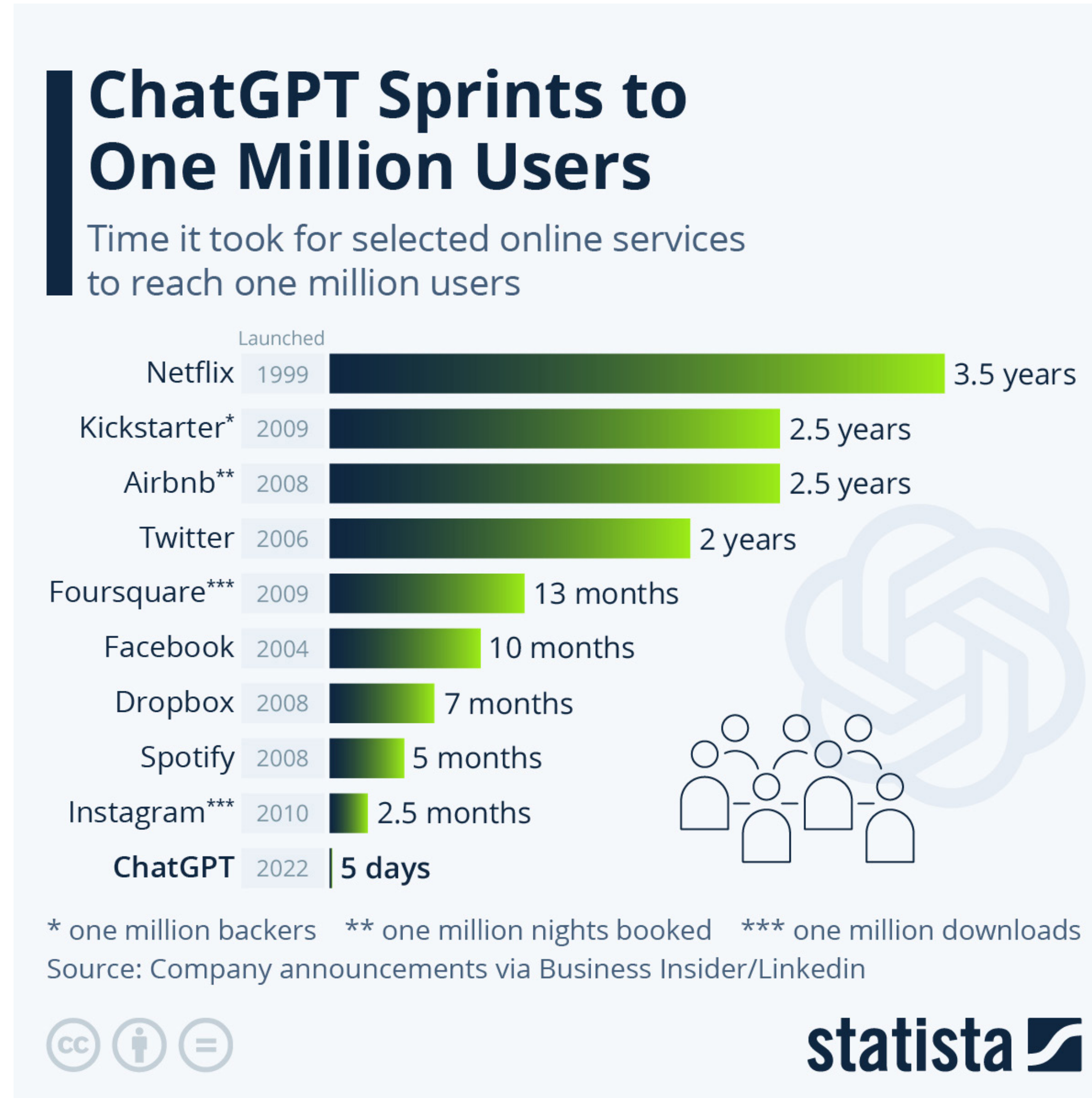
WRAP-UP

Wrap-up

Wrap up

Take aways

Reflection



Wrap-up

Wrap up

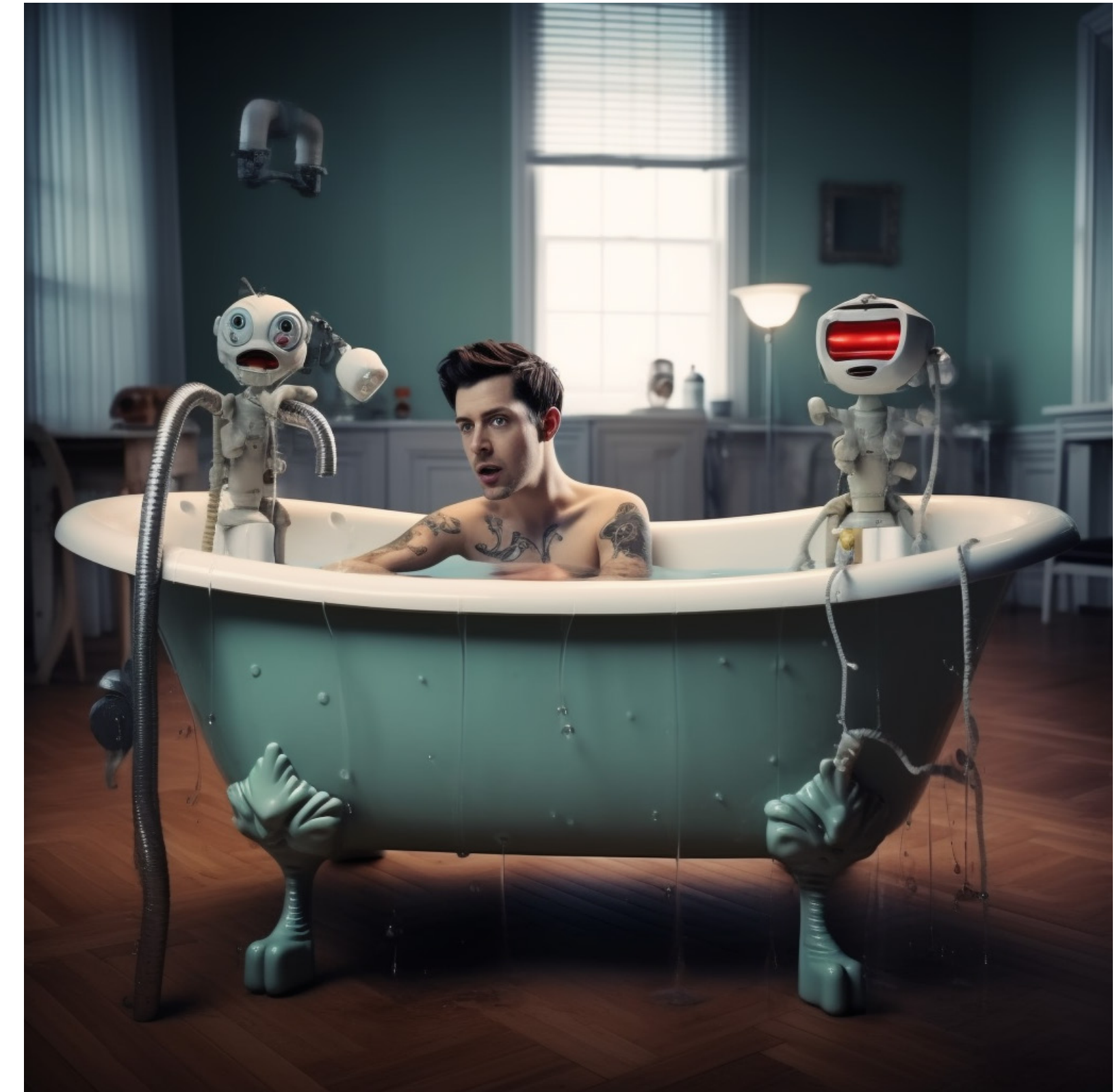
“It’s the critics that drive improvement. It’s the critics who are the true optimists “

Take aways

Jaron Lanier , “ The Social Dilemma, Netflix

Reflection

Do you want to be friends with robots?



Wrap-up

Wrap up

Take aways

Moral Dilemmas

P5 outlook

ChatGPT Sprints to One Million Users

Time it took for selected online services to reach one million users



* one million backers ** one million nights booked *** one million downloads
Source: Company announcements via Business Insider/LinkedIn



Wrap-up

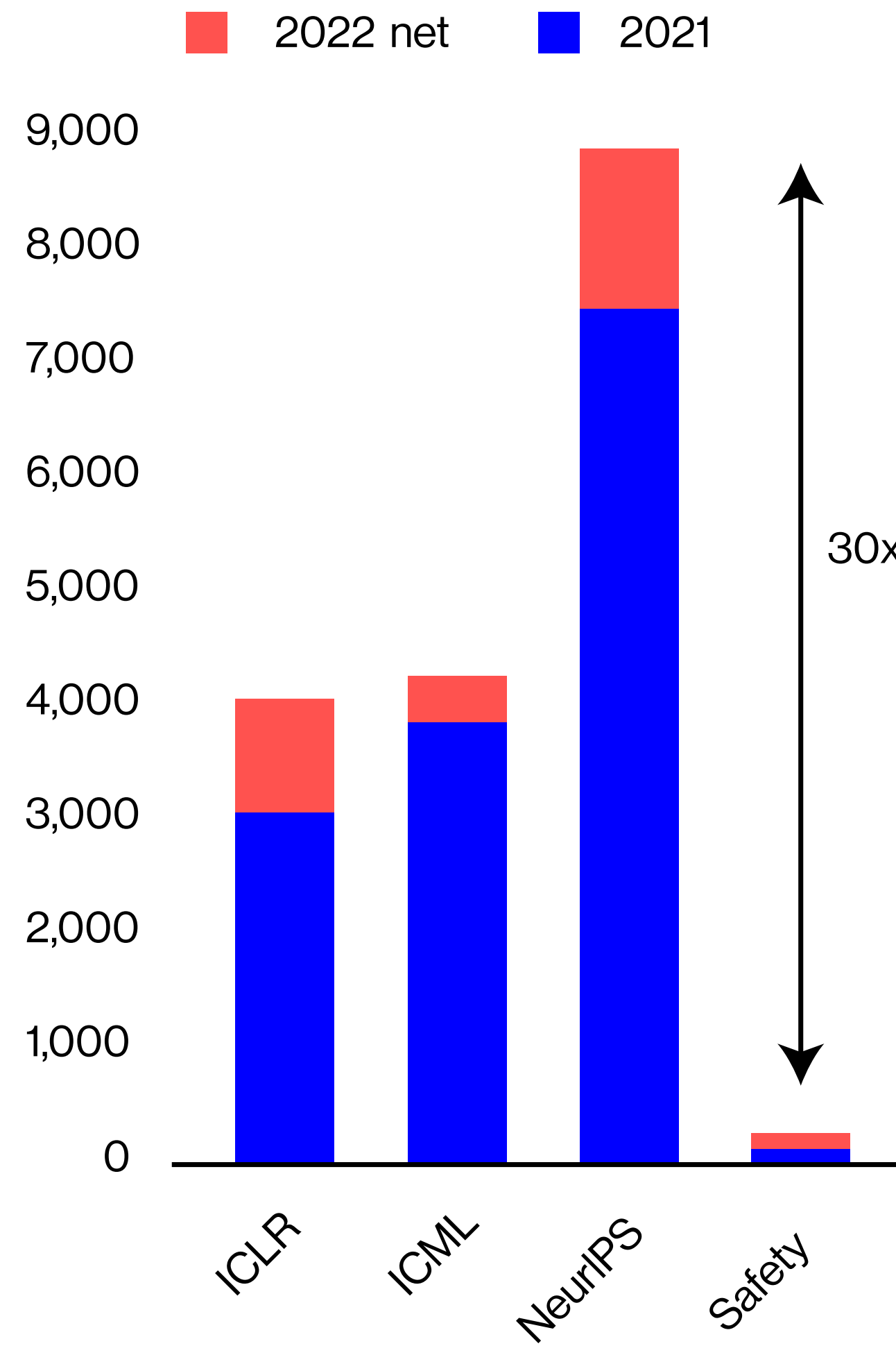
Wrap up

Take aways

Moral Dilemmas

P5 outlook

Research by venue field/safety



Wrap-up

Wrap up

Take aways

Moral Dilemmas

P5 outlook



Wrap-up

Wrap up

Take aways

Moral Dilemmas

P5 outlook

- Continue working on more engaging storytelling
- More imersive medium for presentation
- Update to the Research - L.L.M.

Deployment

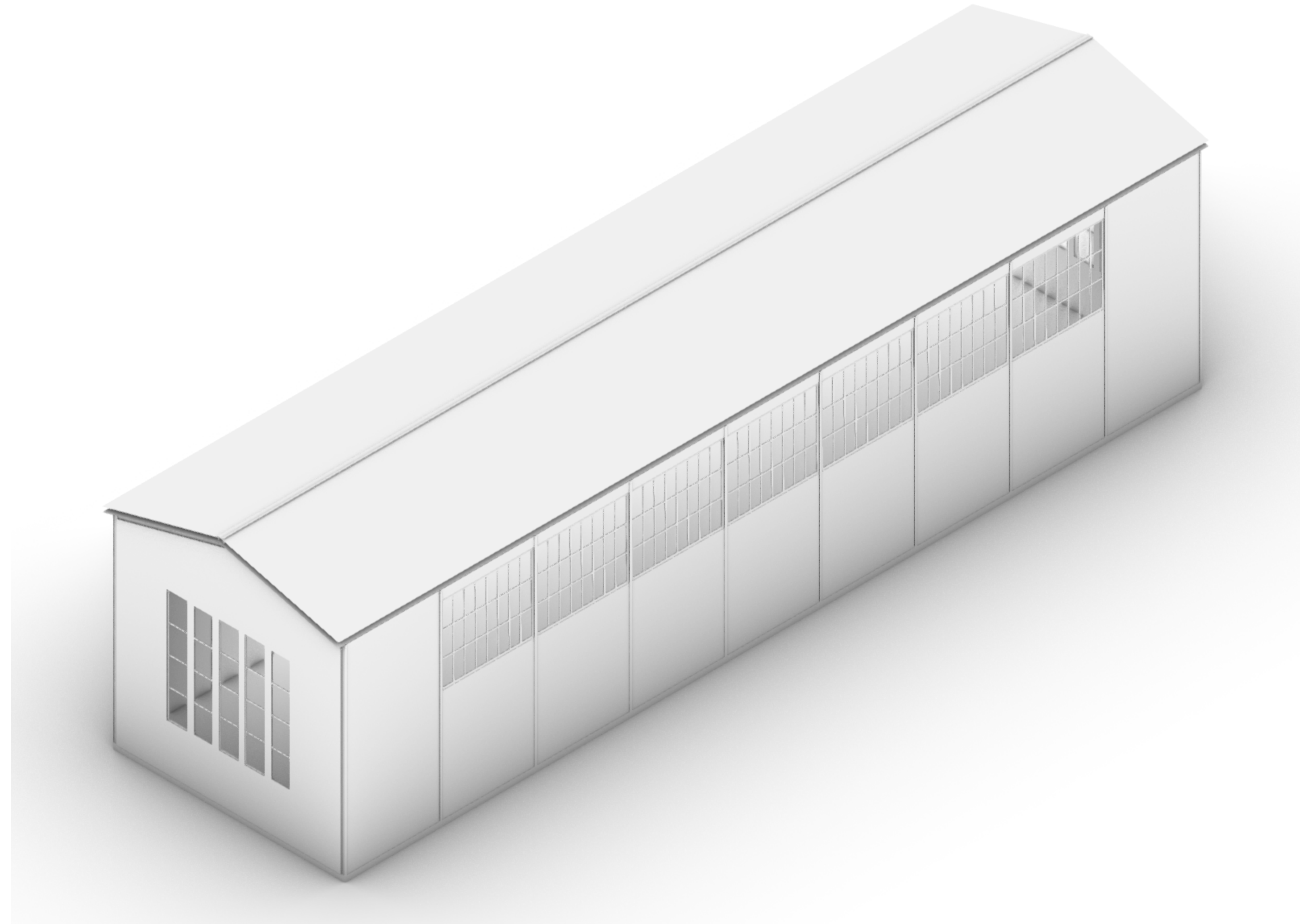
Current state

Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**



Deployment

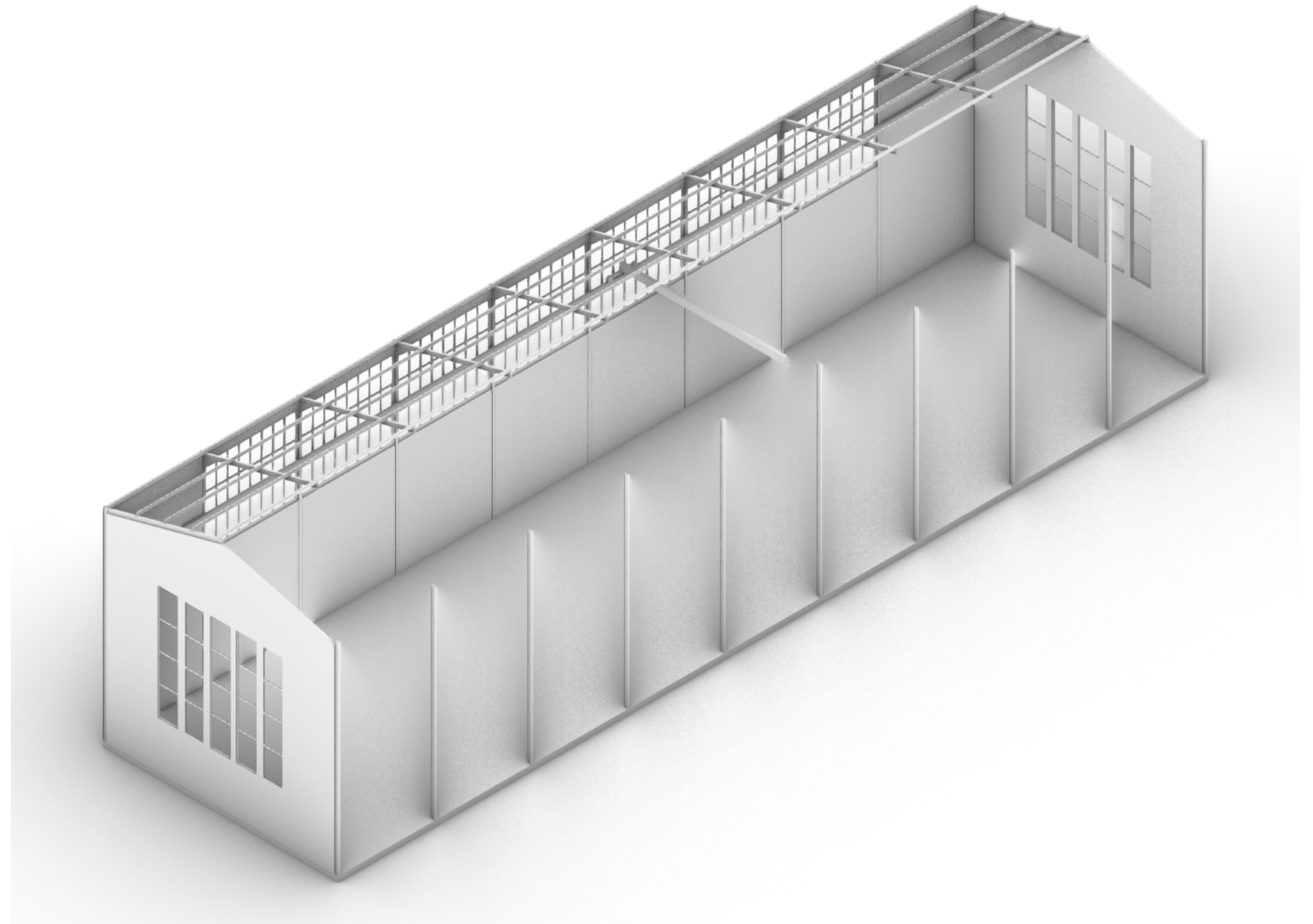
Current state

Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**



Deployment

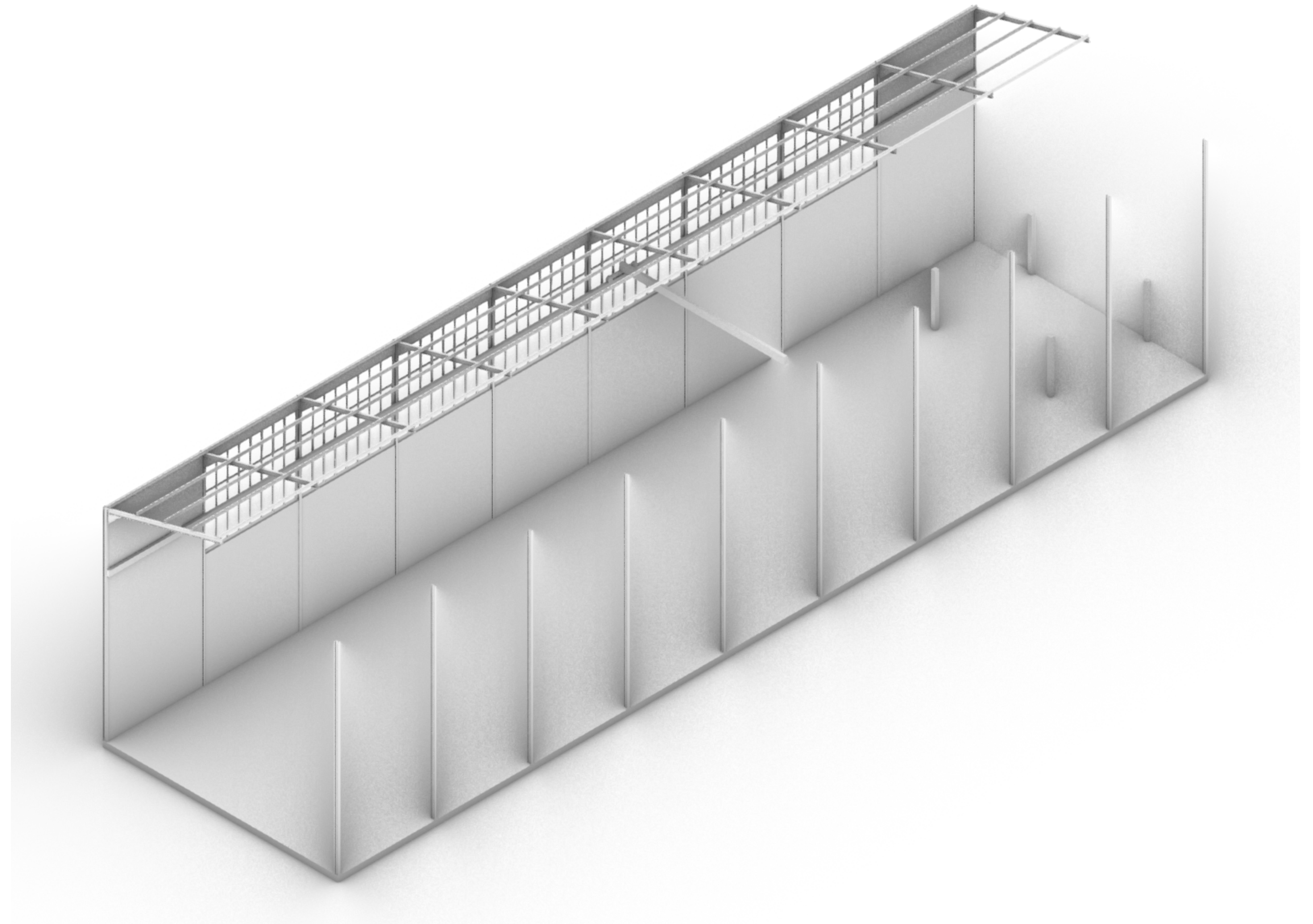
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Remove the front/back facade



Deployment

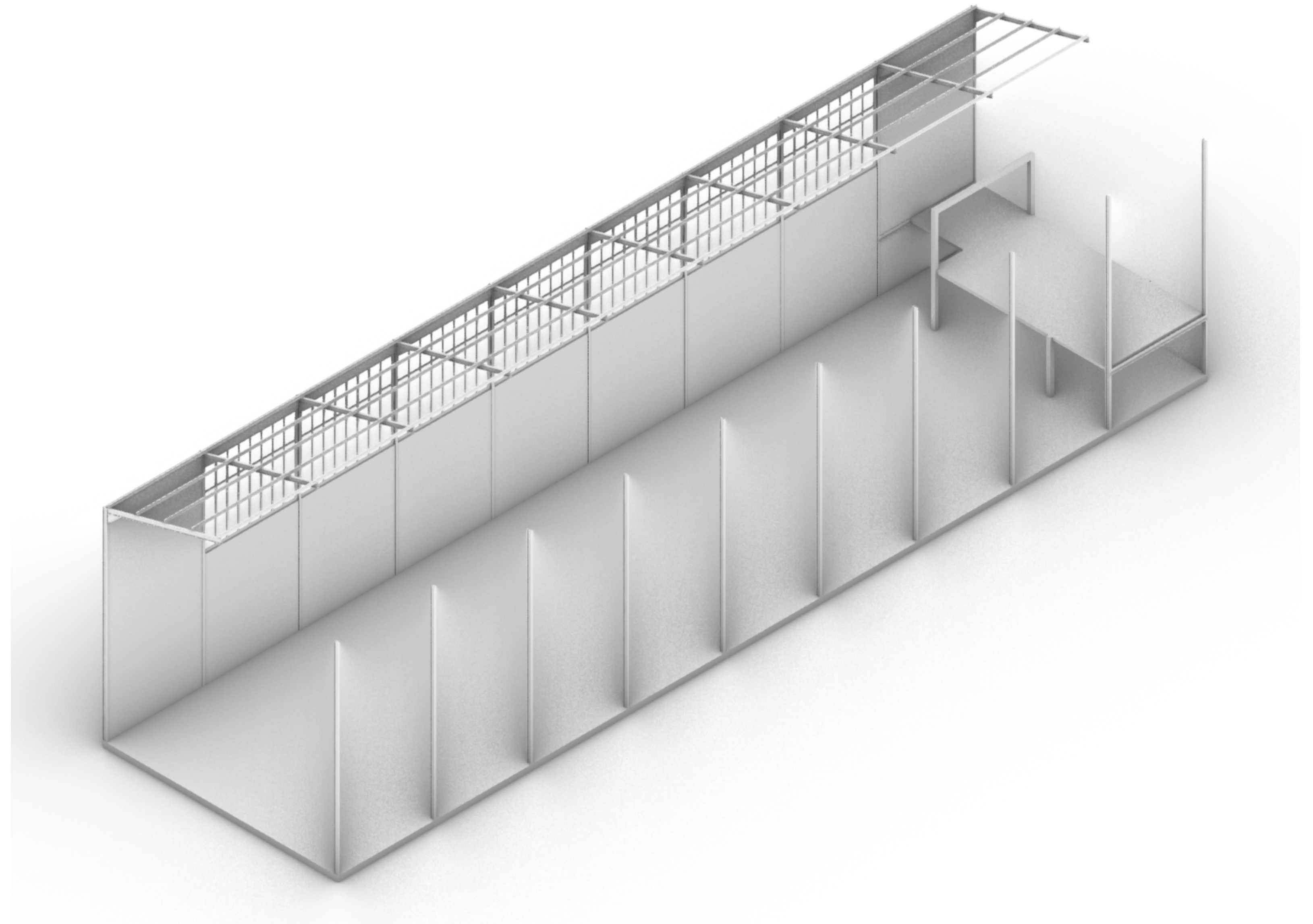
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Installing floors



Deployment

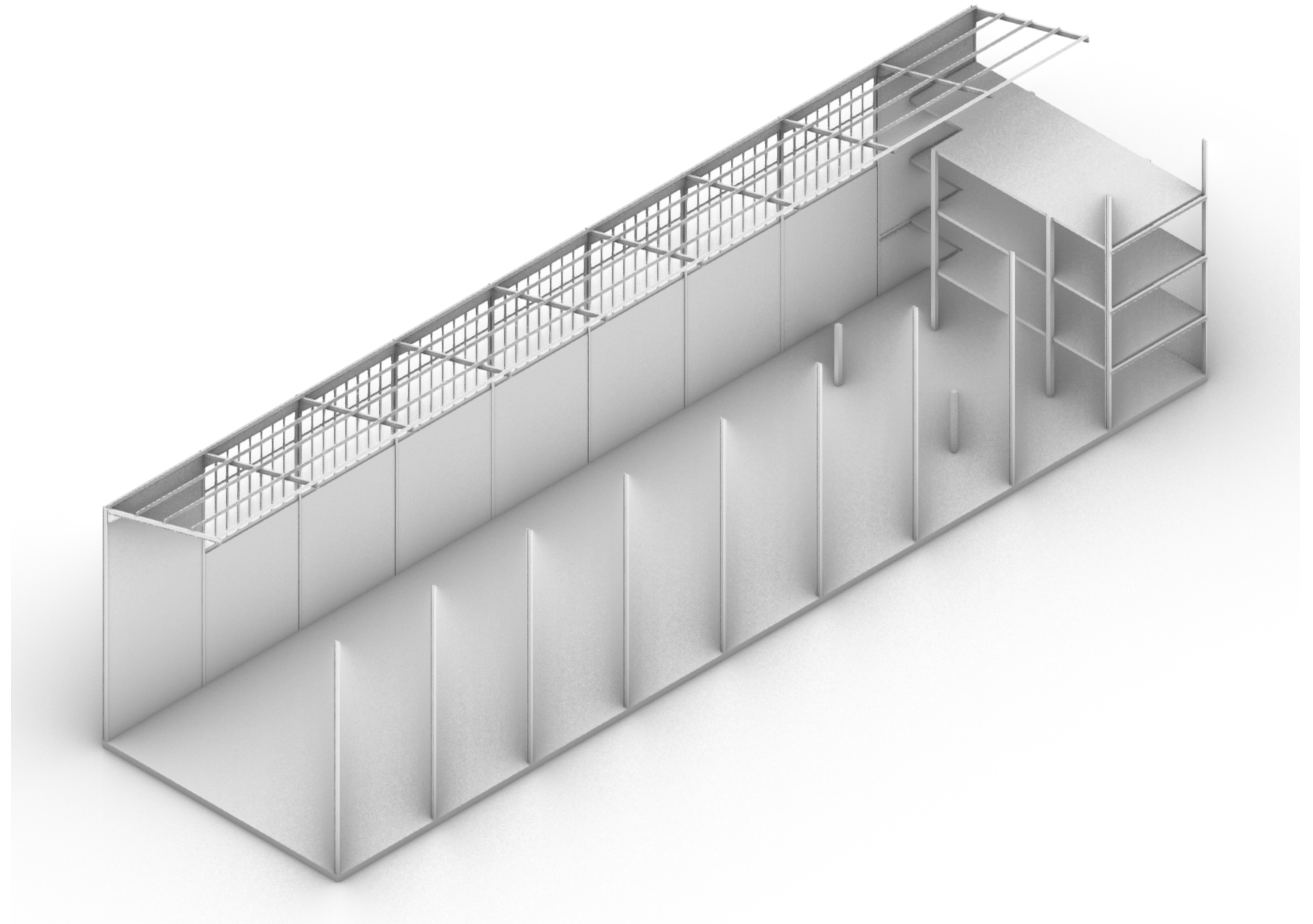
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Installing floors



Deployment

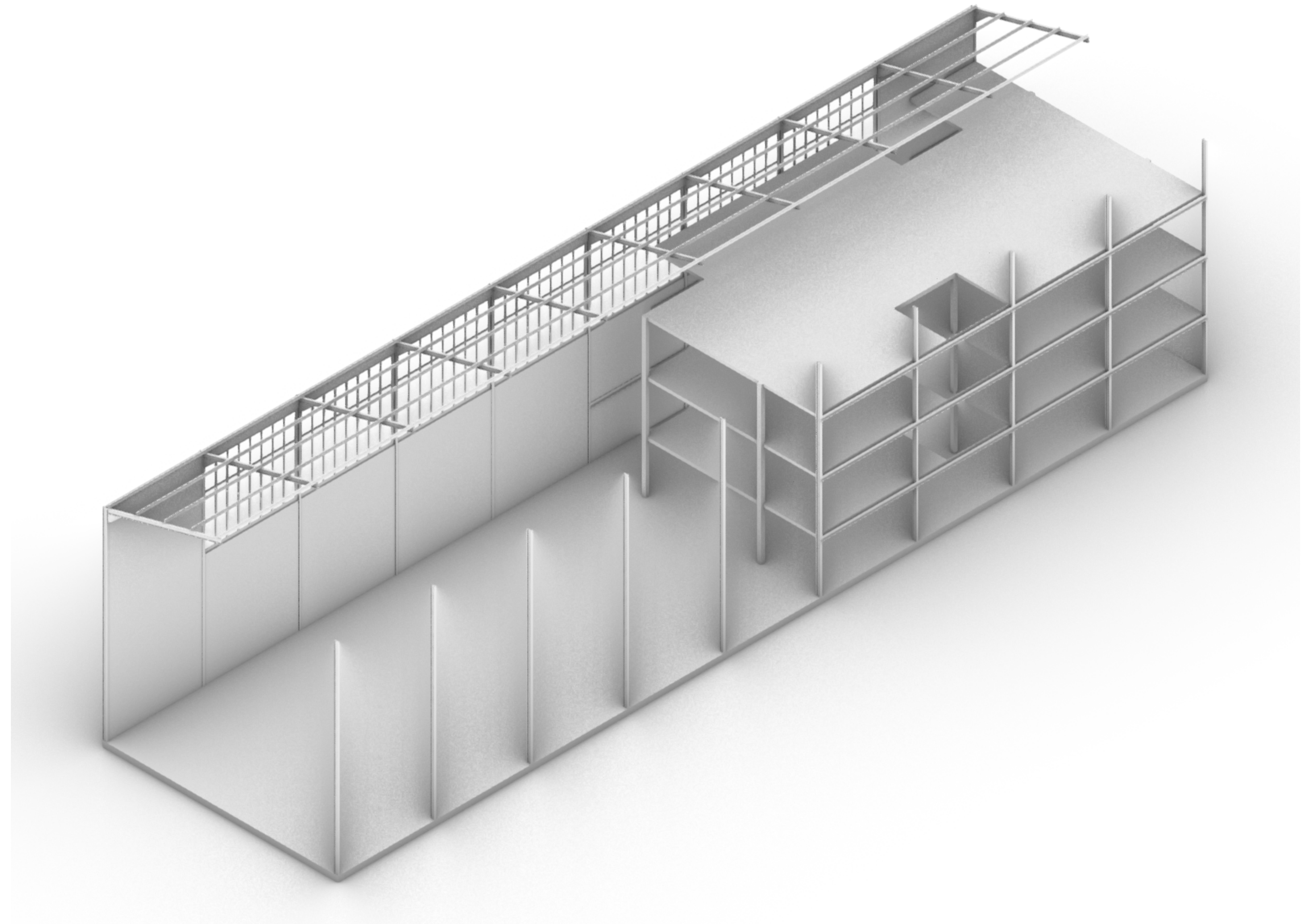
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Installing floors



Deployment

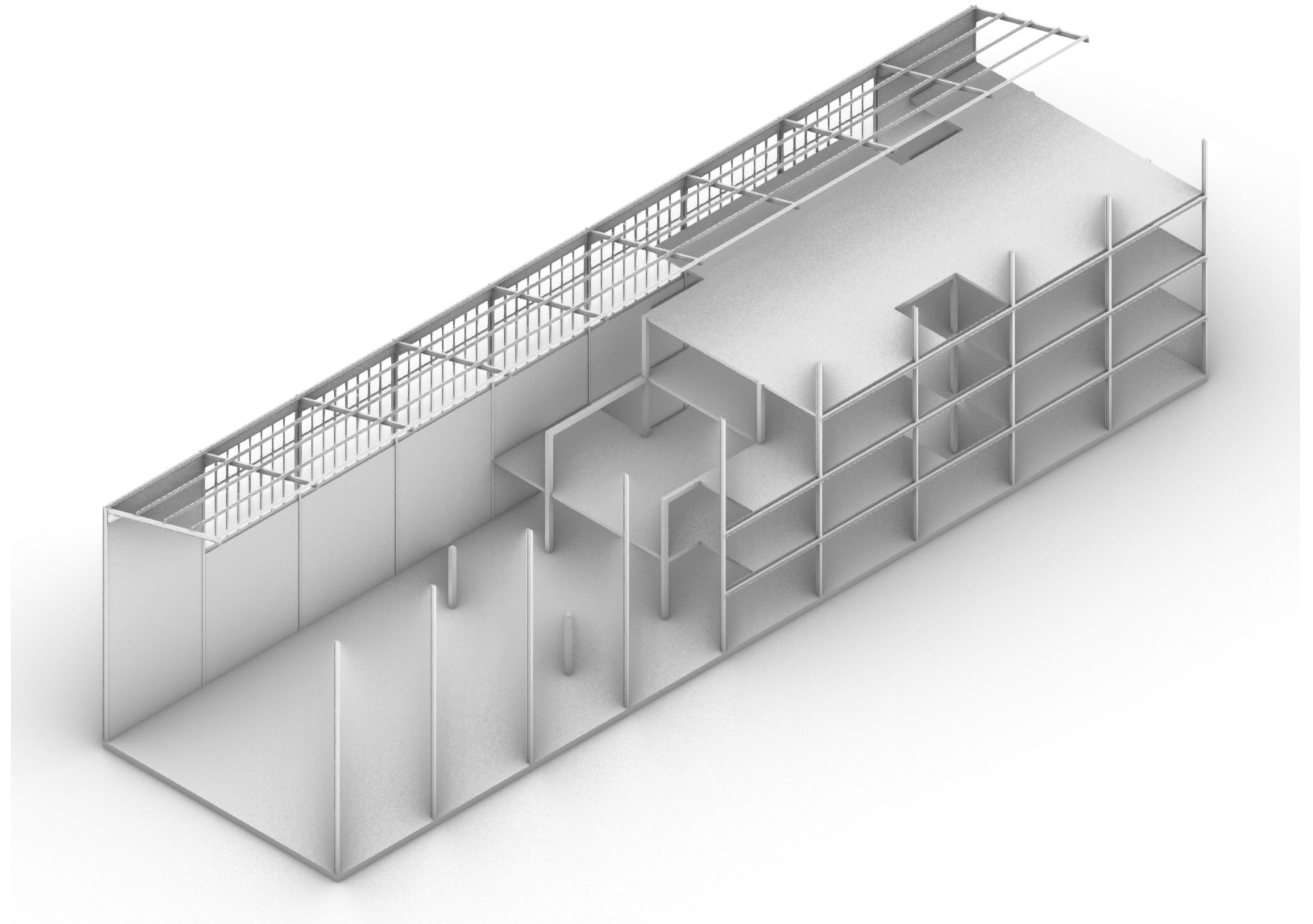
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Installing floors



Deployment

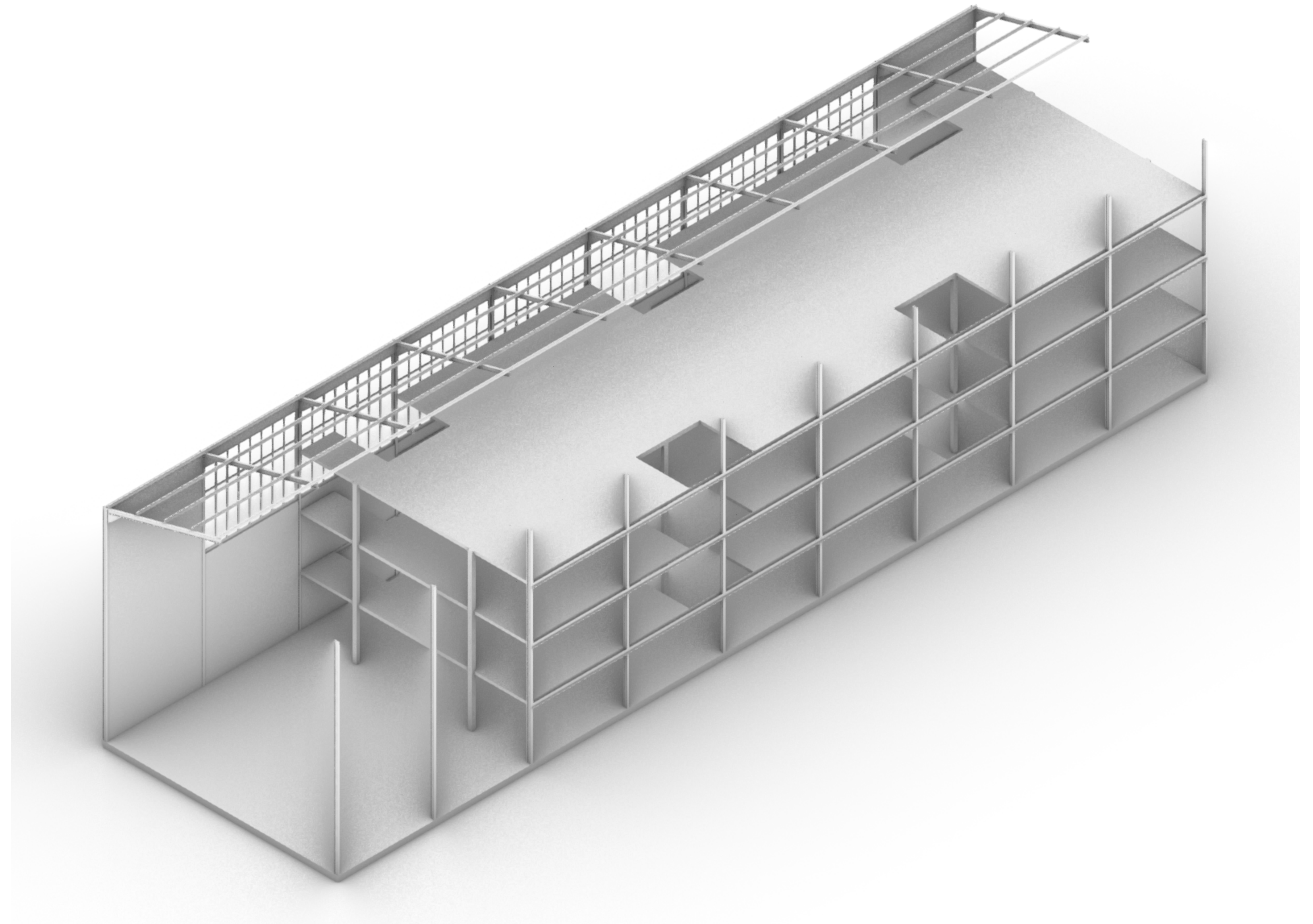
Installing floors

Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**



Deployment

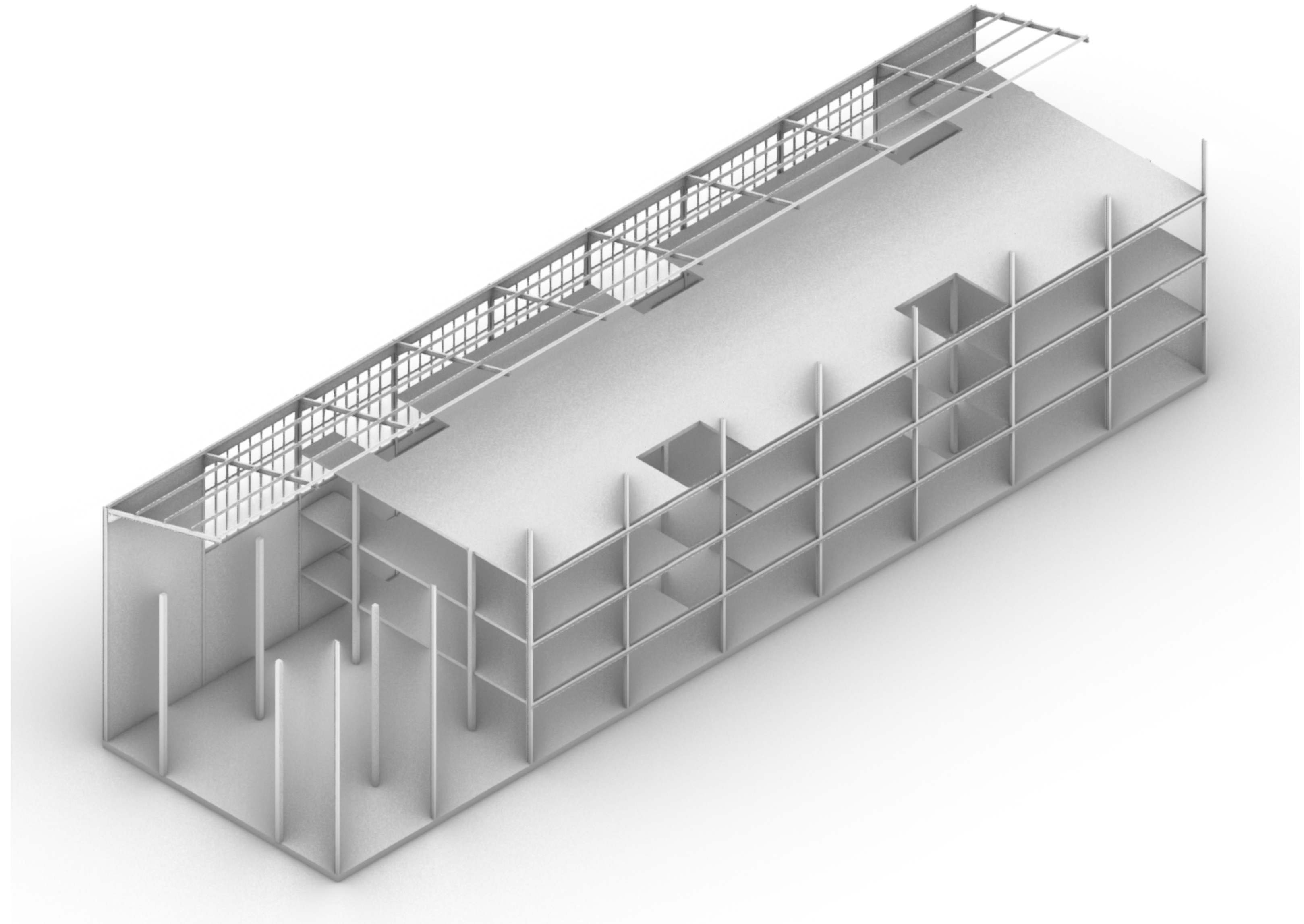
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Installing floors



Deployment

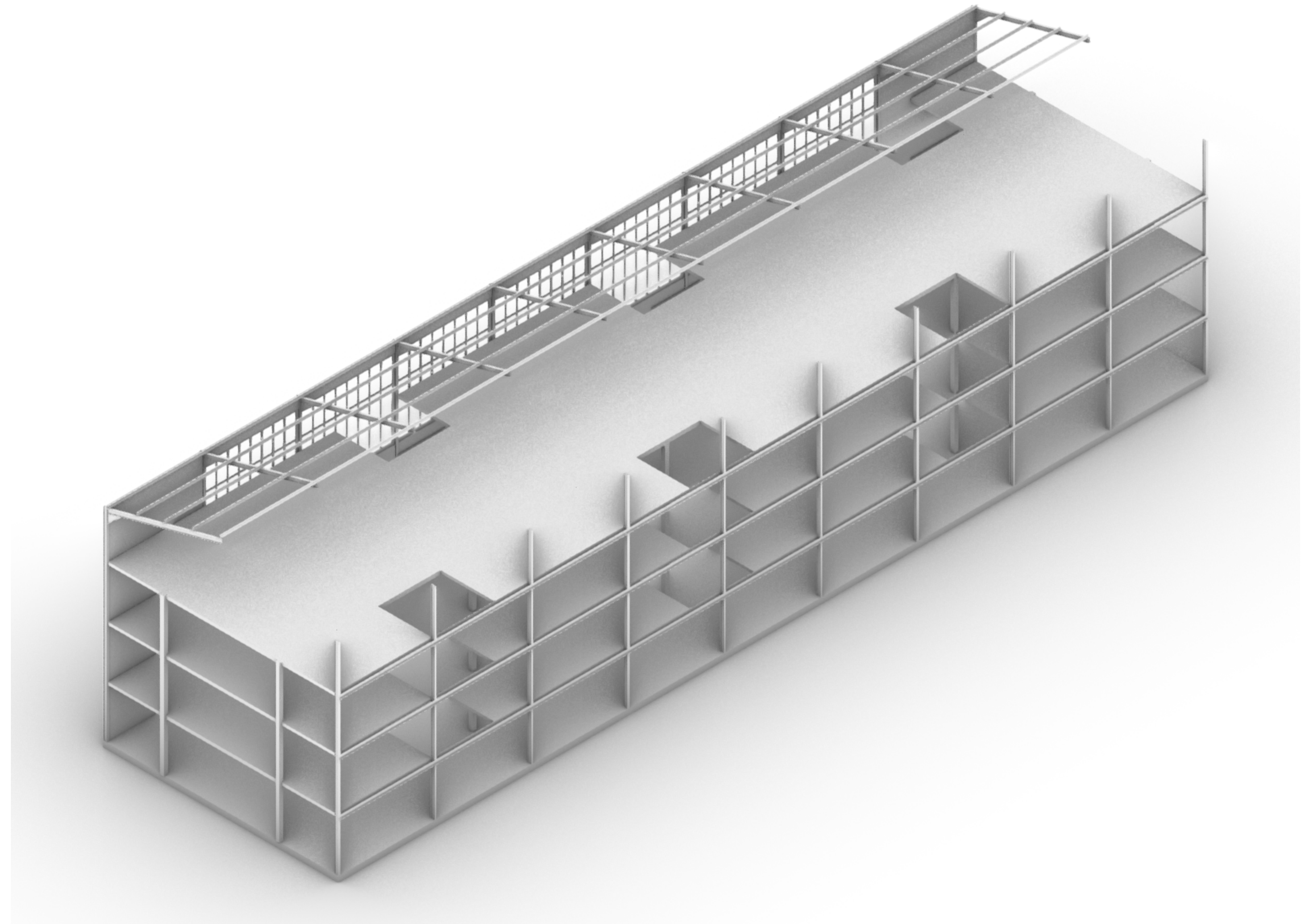
Installing floors

Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**



Deployment

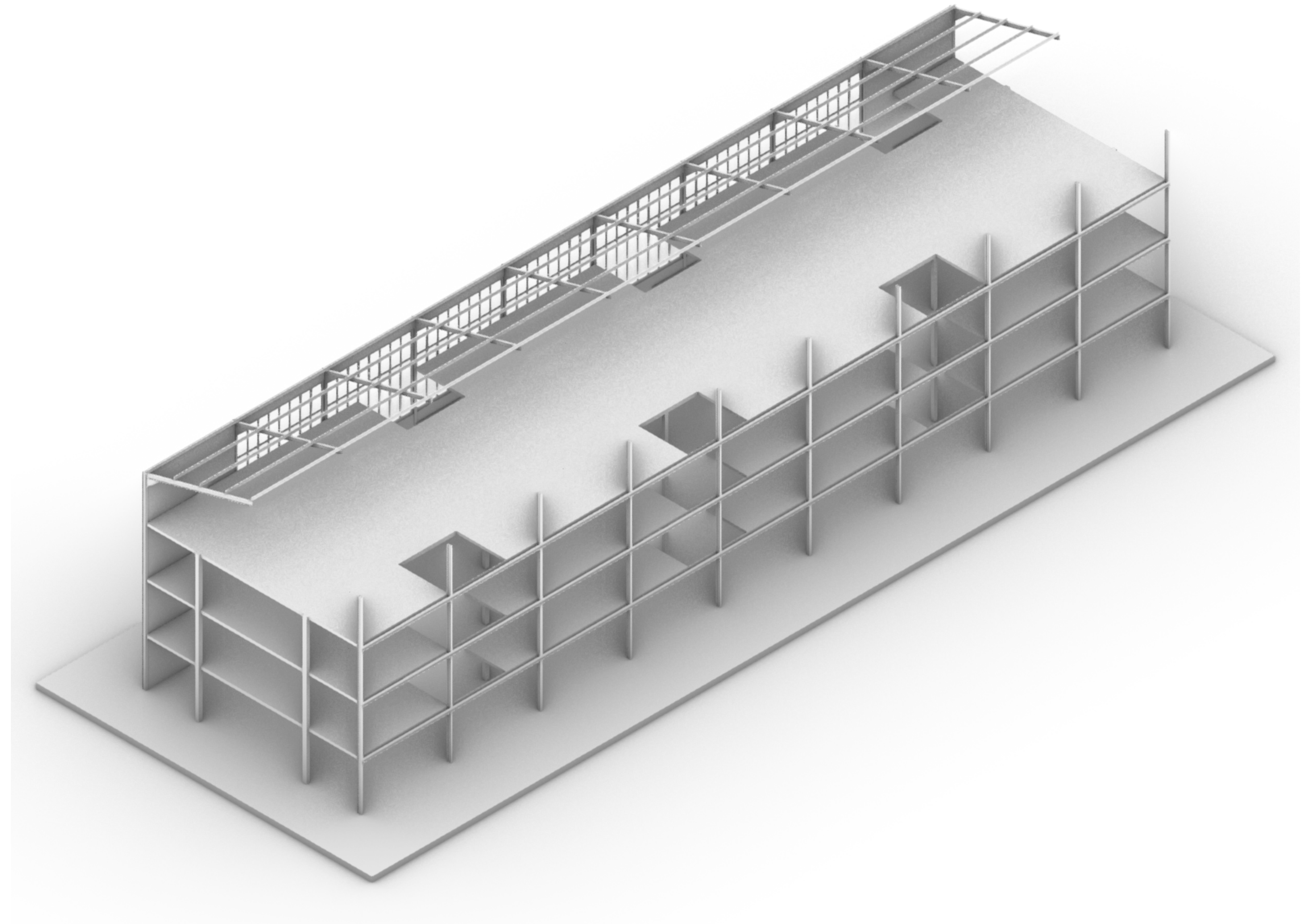
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Expanding foundation



Deployment

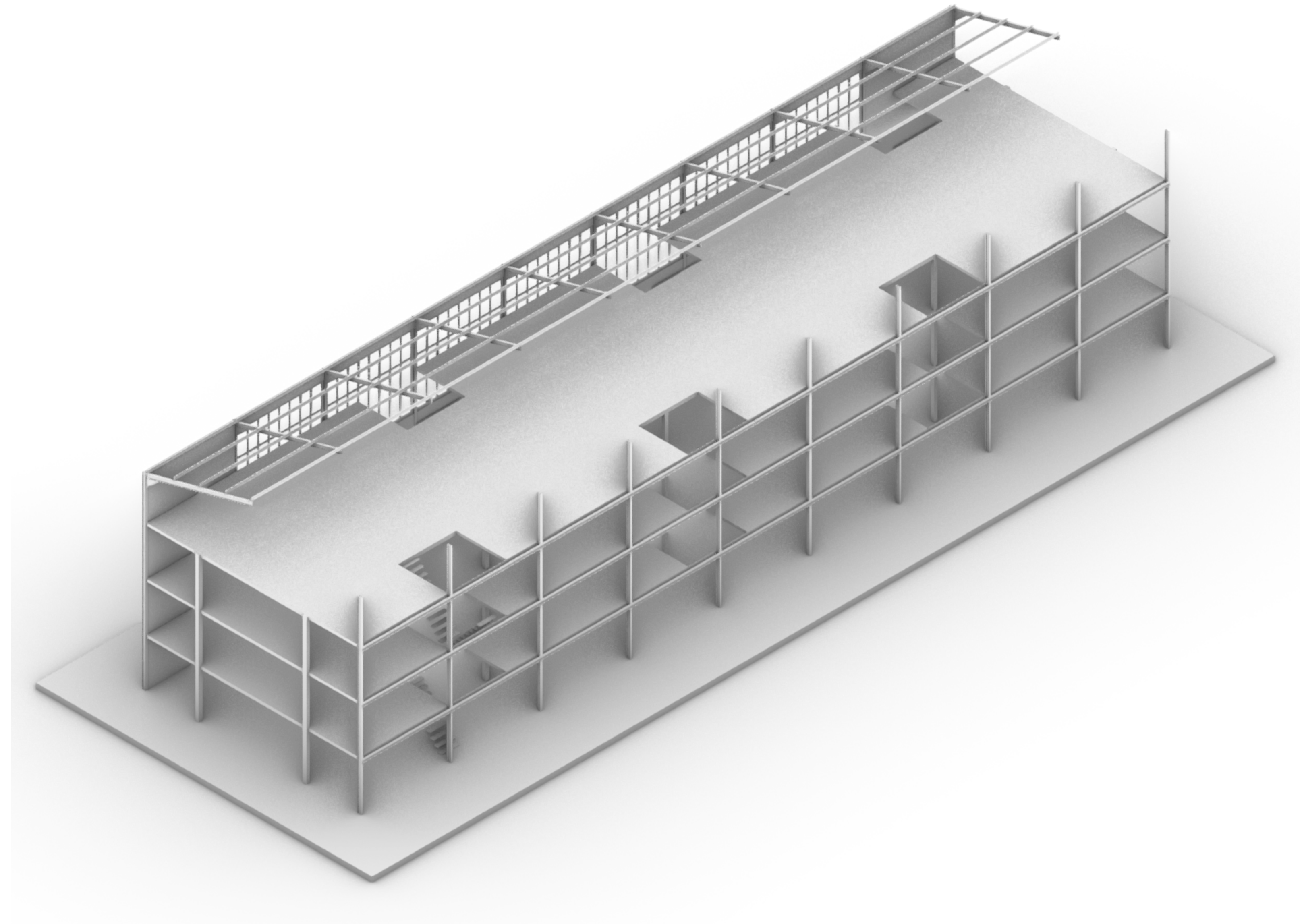
Stairs

Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**



Deployment

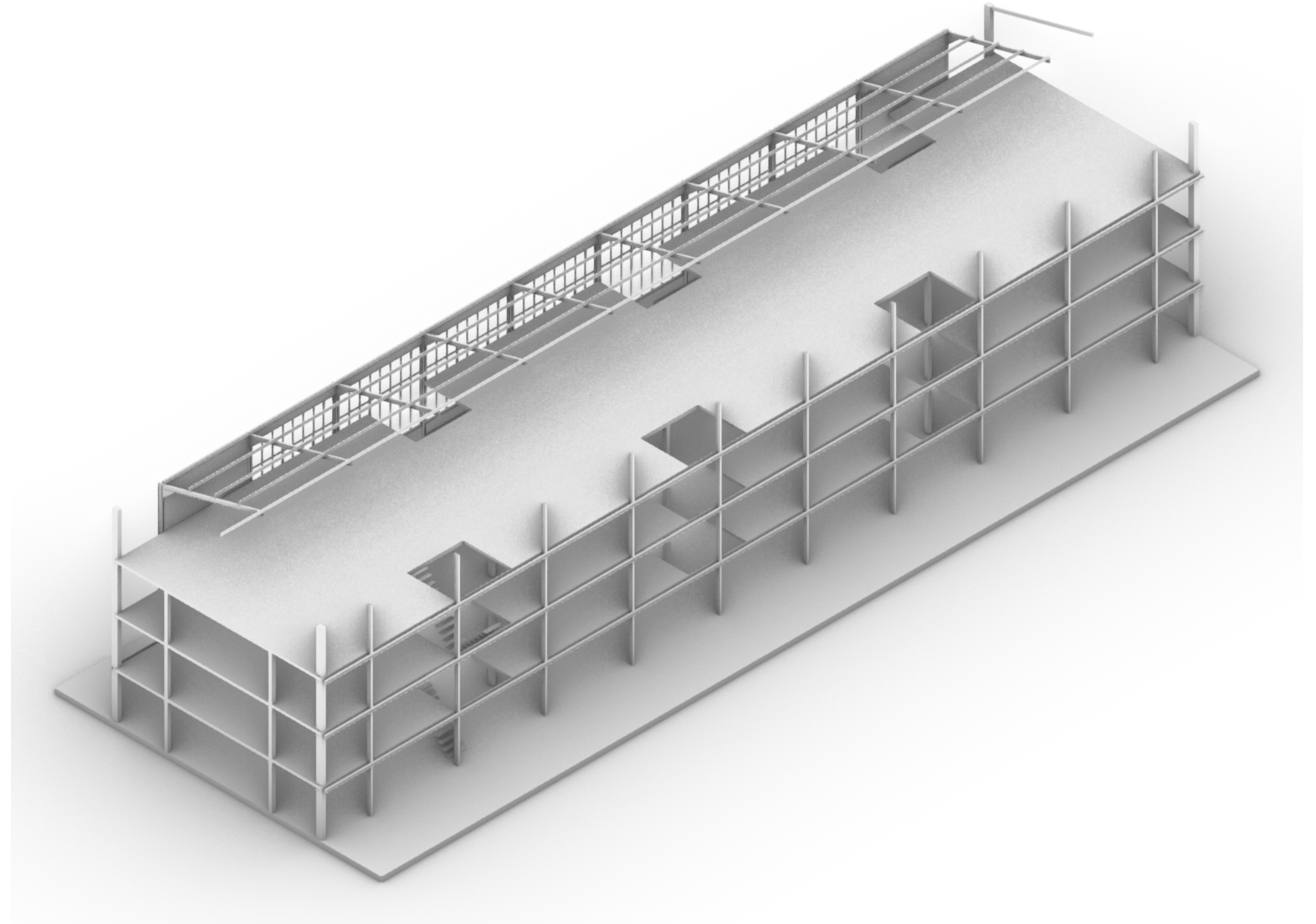
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Installing floors



Deployment

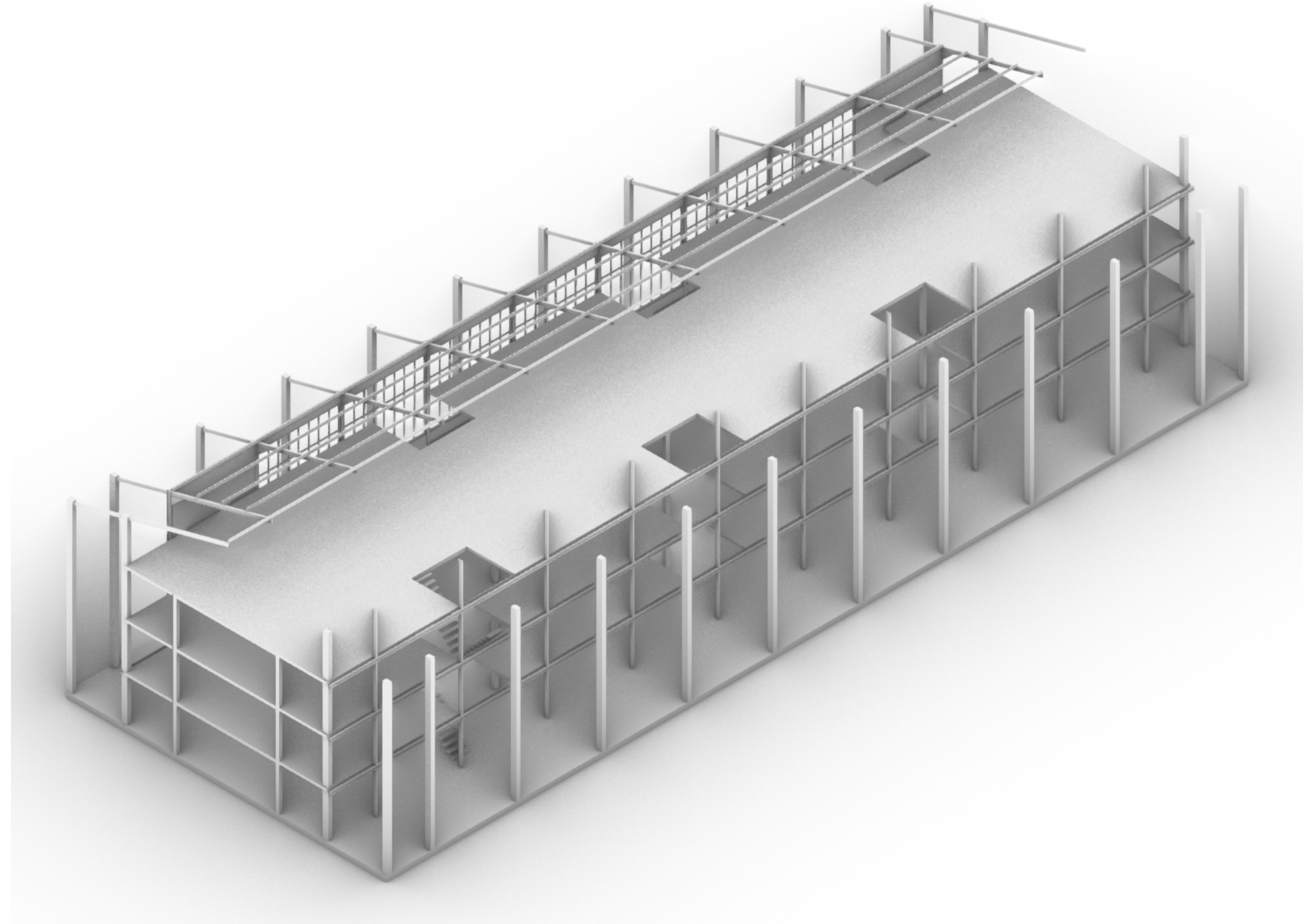
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

New structure - GLT columns and beams



Deployment

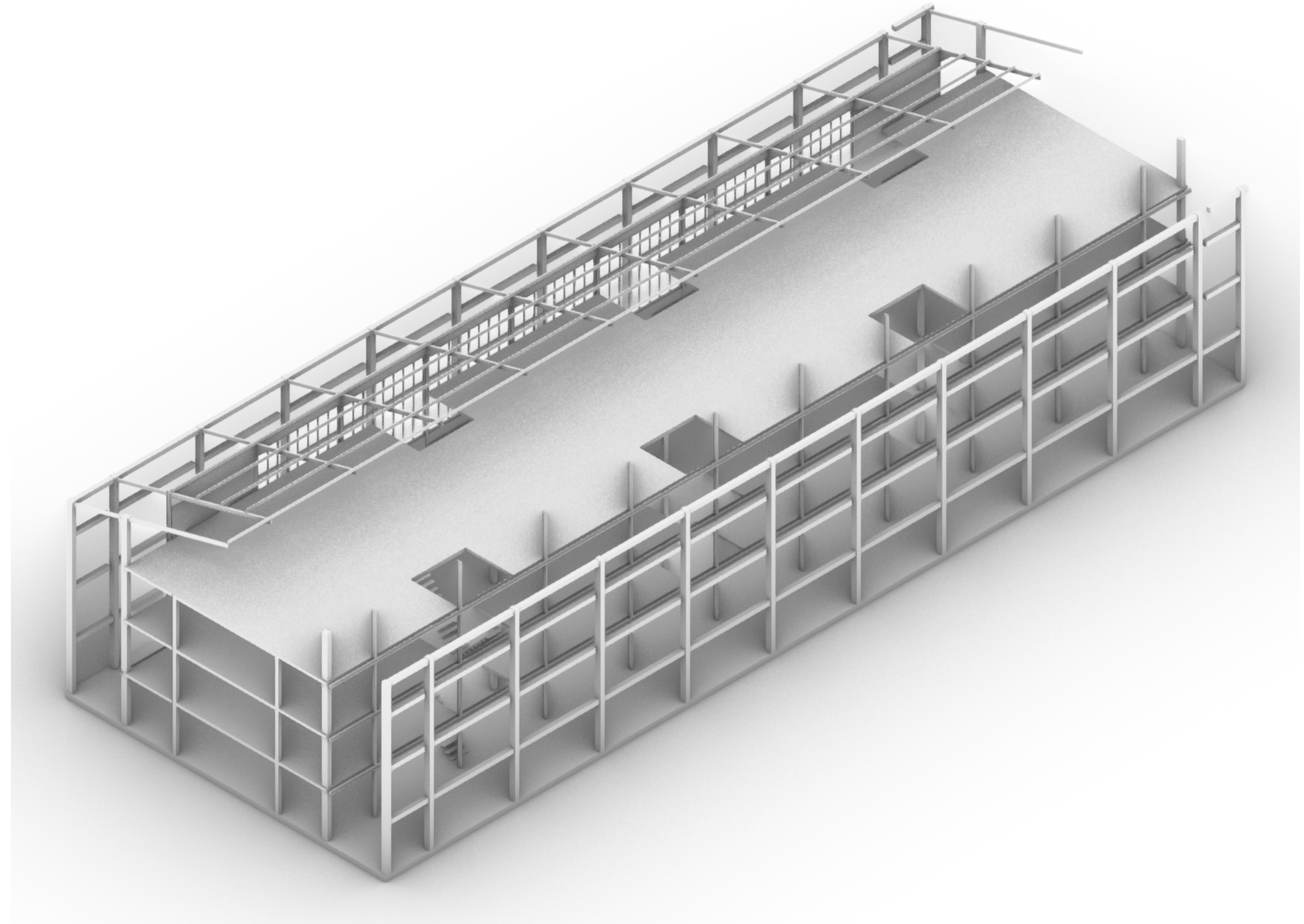
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

New structure - GLT columns and beams



Deployment

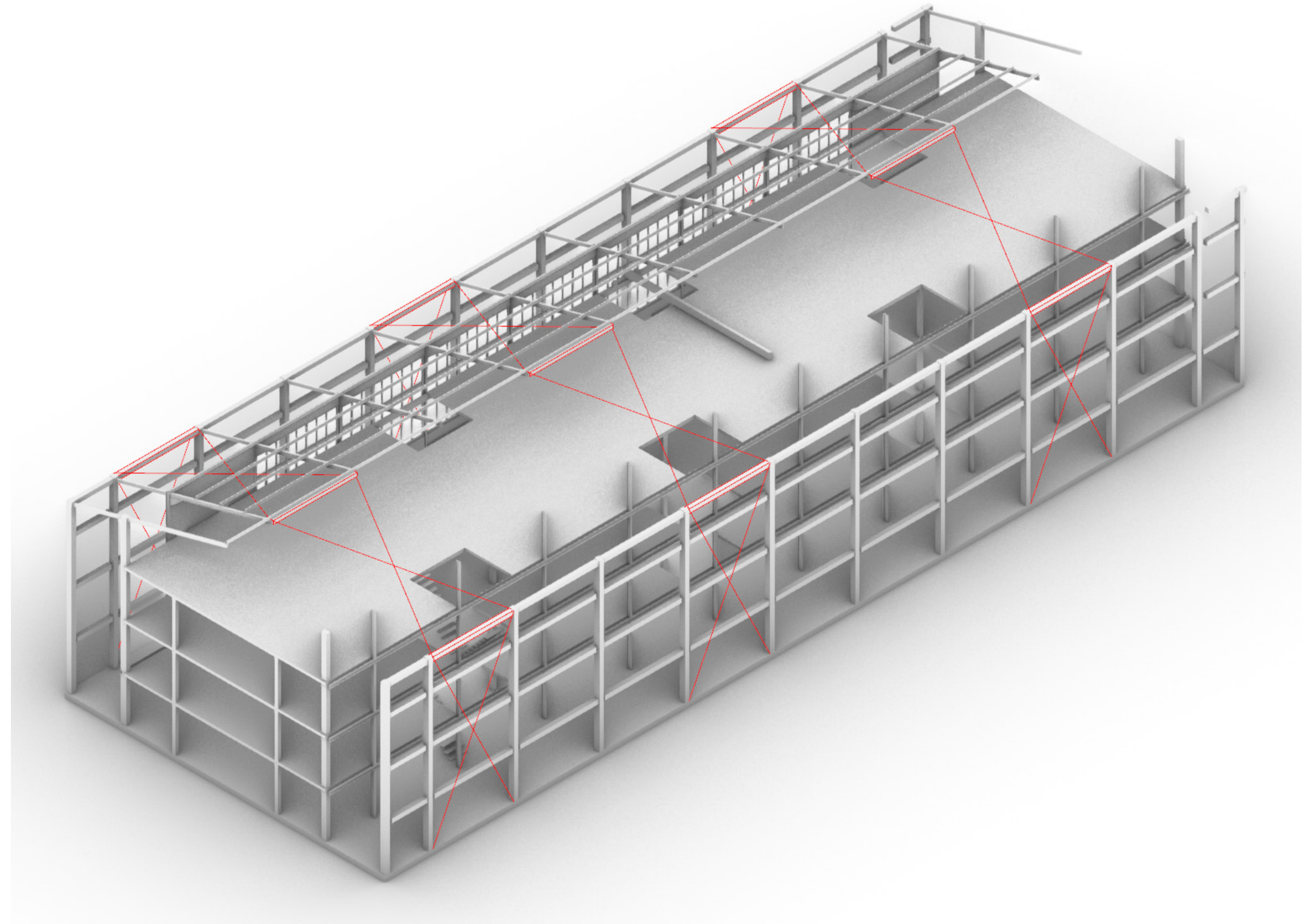
Bracing

Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**



Deployment

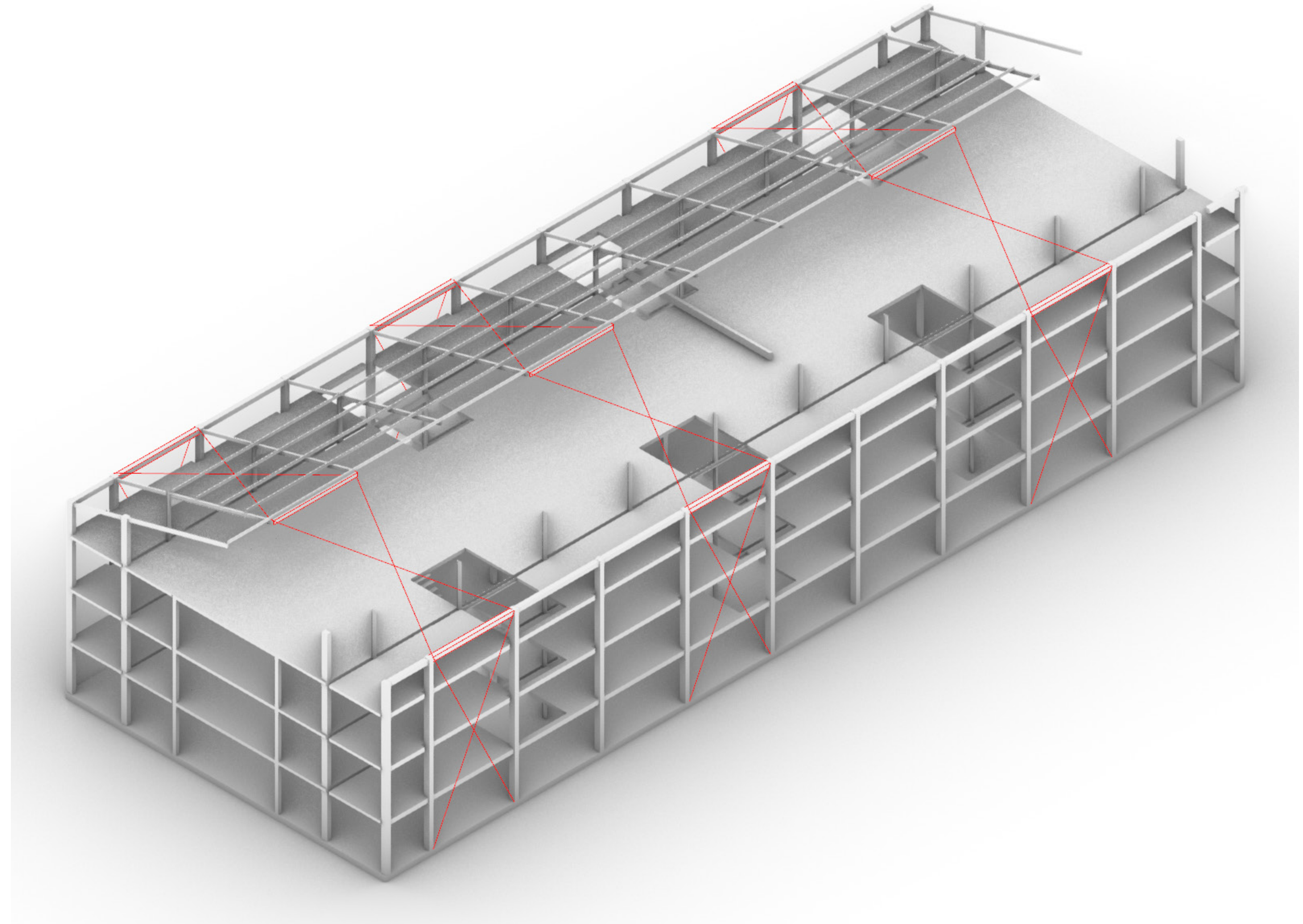
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

New floor and Removing old longitudinal walls



Deployment

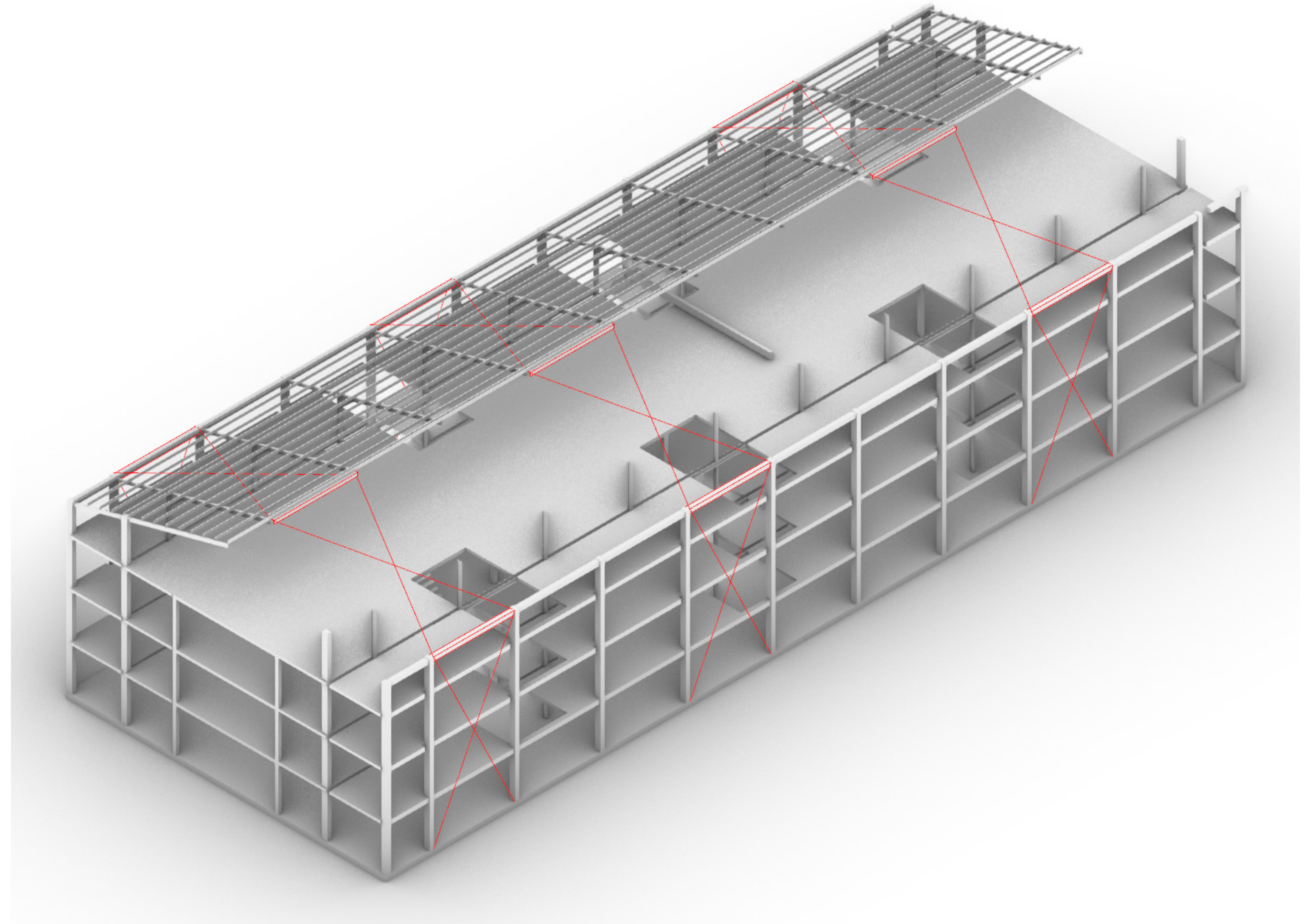
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Adding floors and Purlins



Deployment

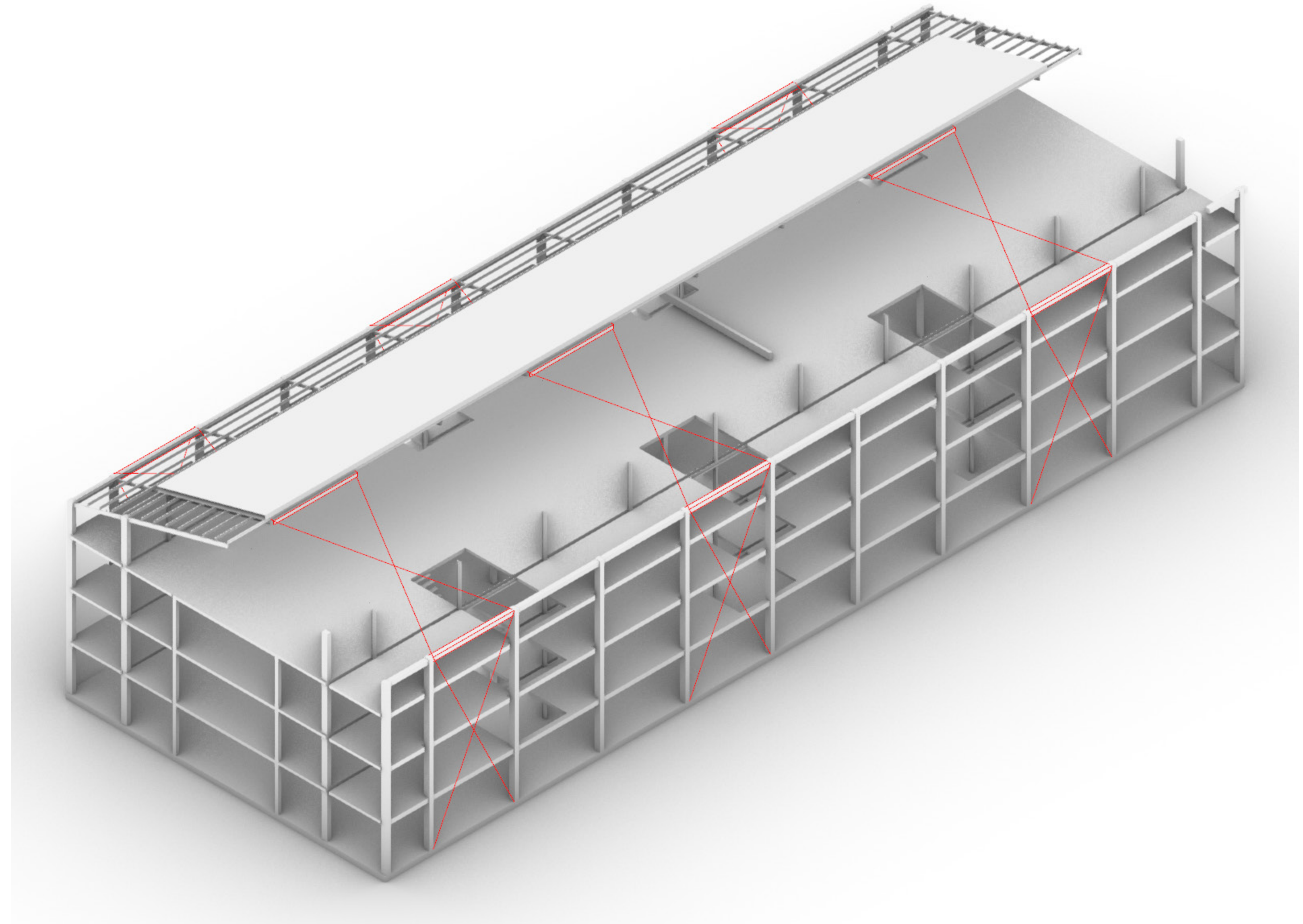
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Installing new roof



Deployment

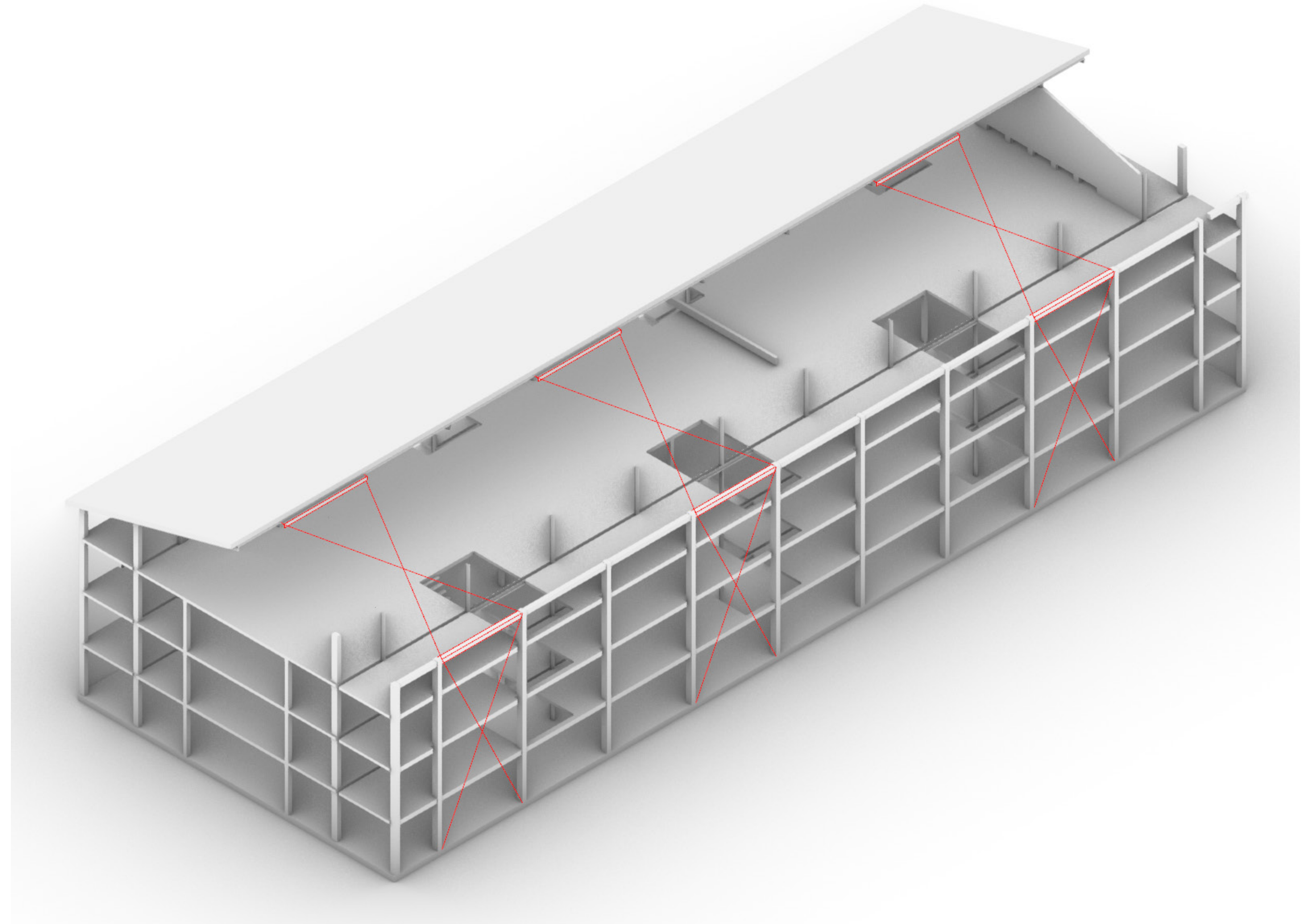
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Installing new roof



Deployment

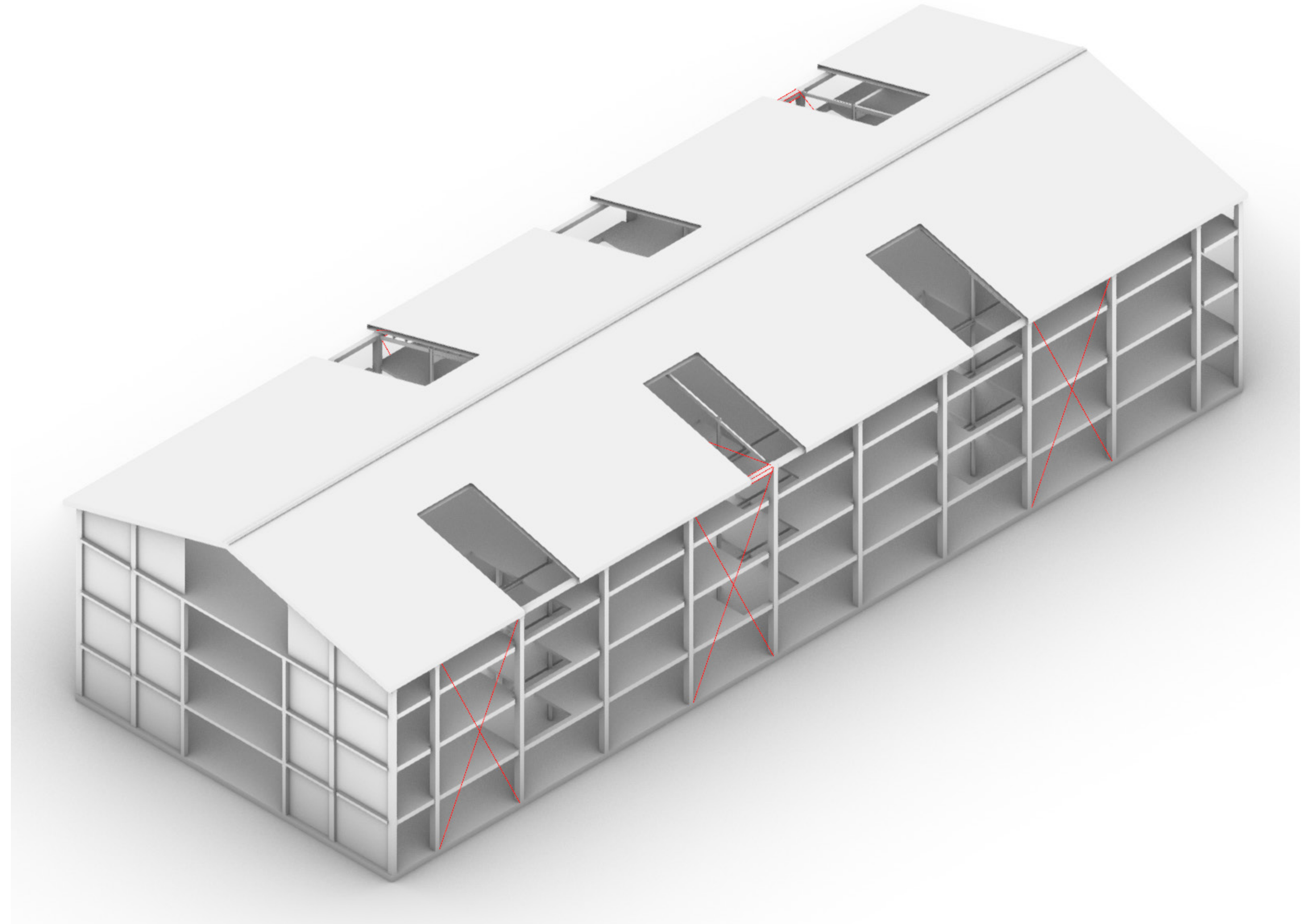
installing facade

Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**



Deployment

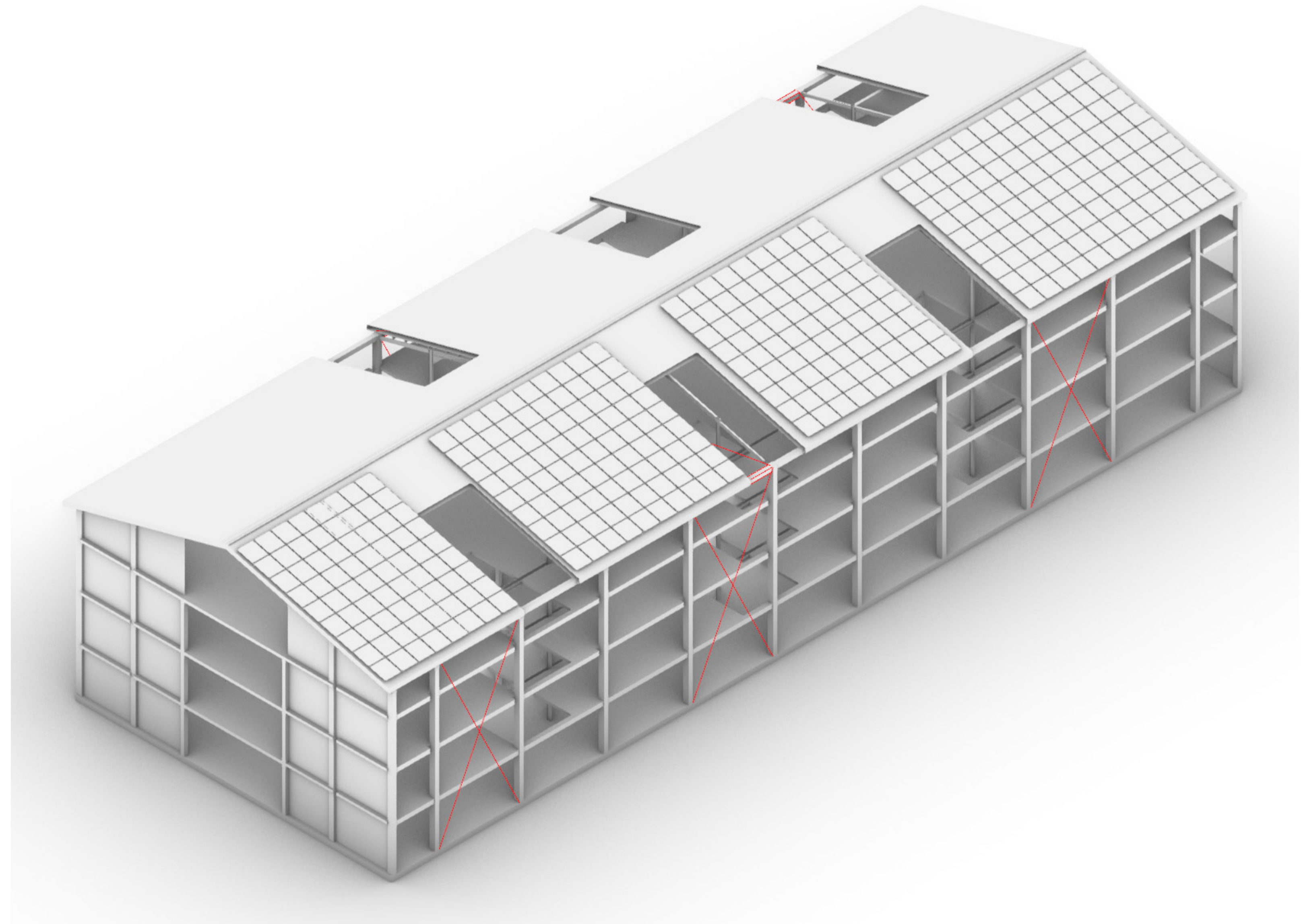
Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**

Instalation of PV panels



Deployment

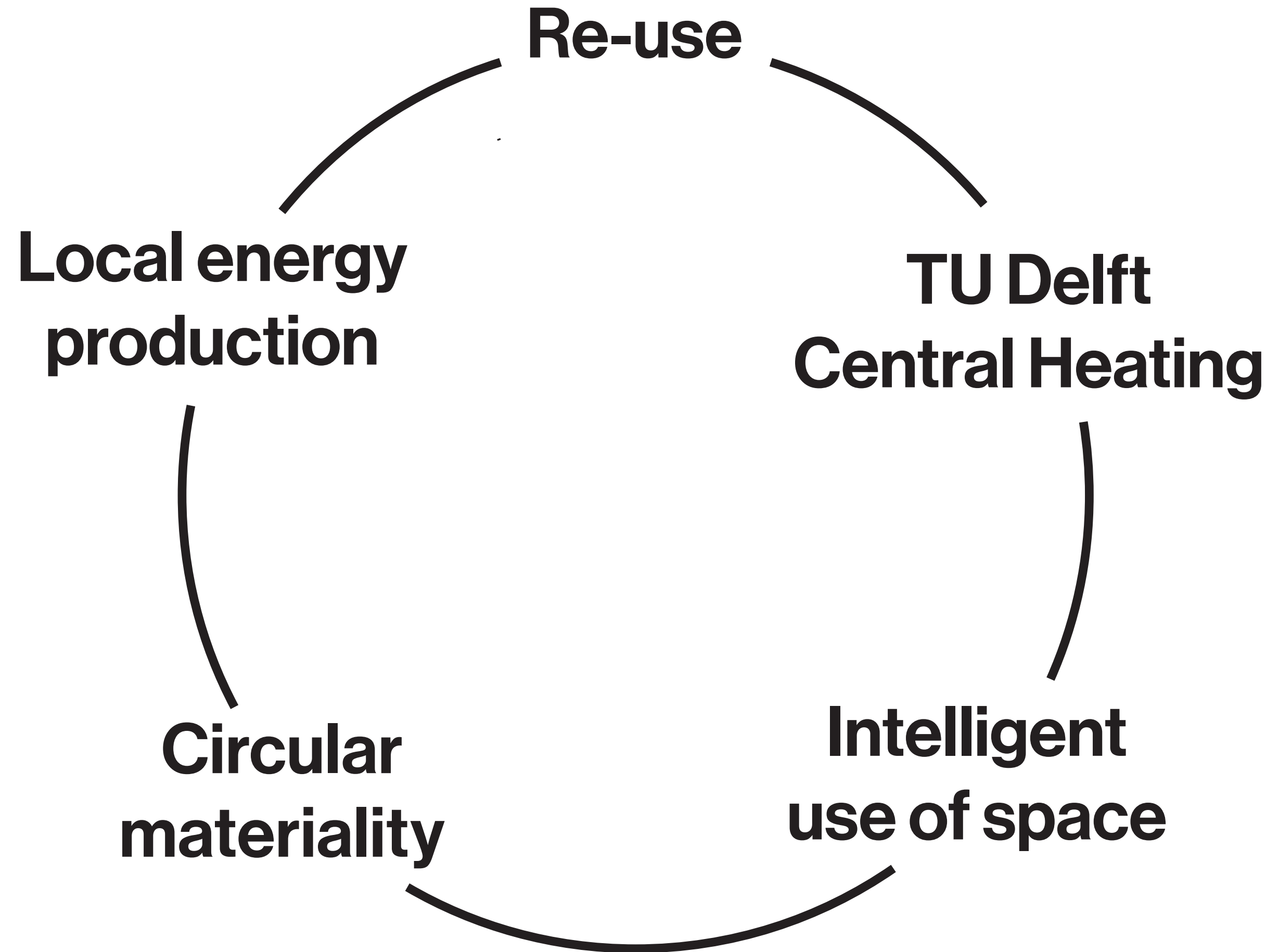
Sustainability

Student
dorm

The site

Conceptual
deployment

Building's
regeneration



Deployment

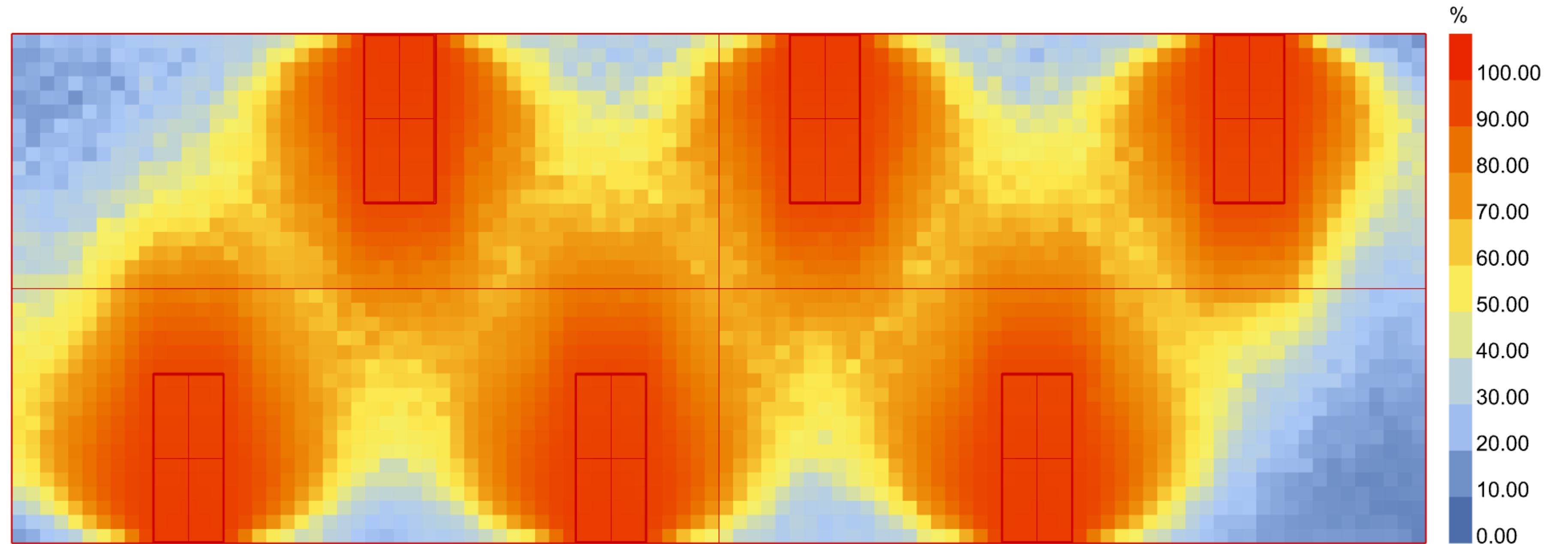
Continuous Daylight Autonomy

Student
dorm

The site

Conceptual
deployment

**Building's
regeneration**



Deployment

Daylight openings to centre of the building

Student
dorm

The site

Conceptual
deployment

Building's
regeneration



Deployment

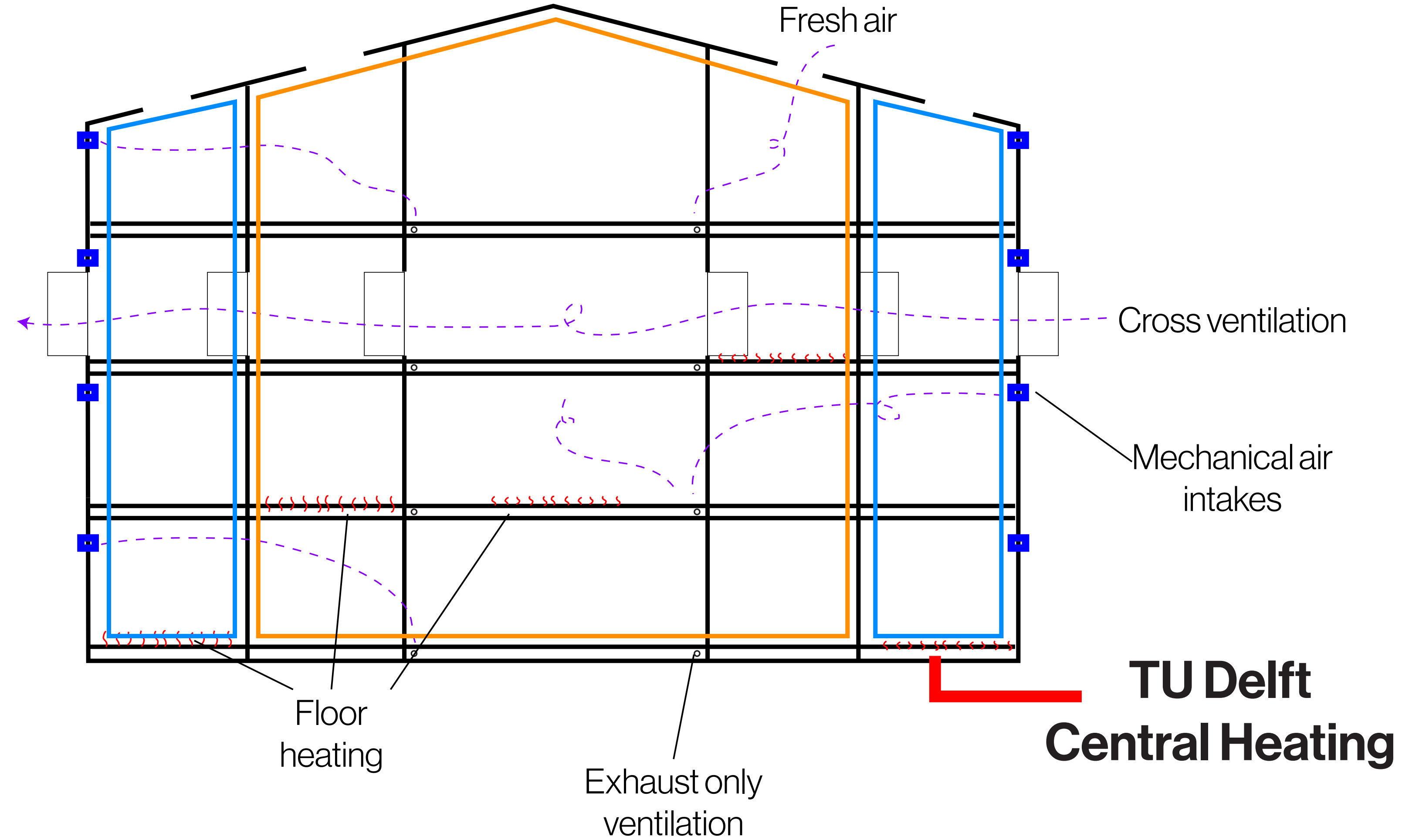
Climate control

Student dorm

The site

Conceptual deployment

Building's regeneration



Deployment

Systems

Student
dorm

The site

Conceptual
deployment

Building's
regeneration

