

RESEARCH

DESIGN BRIEF

CONCEPT

IMPLEMENTATION

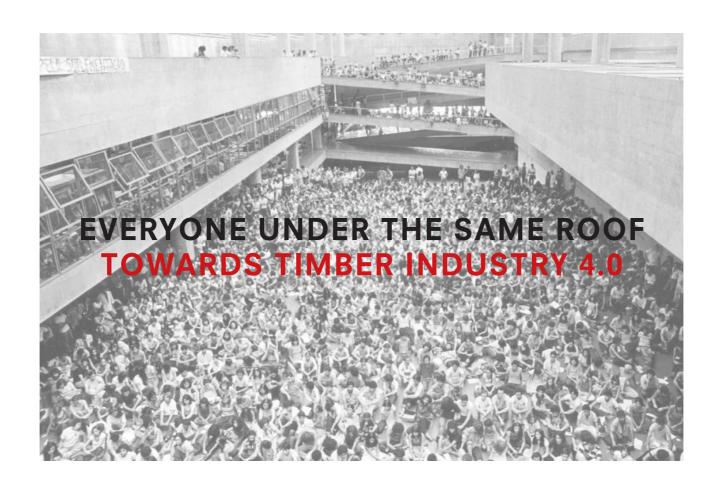
RESEARCH

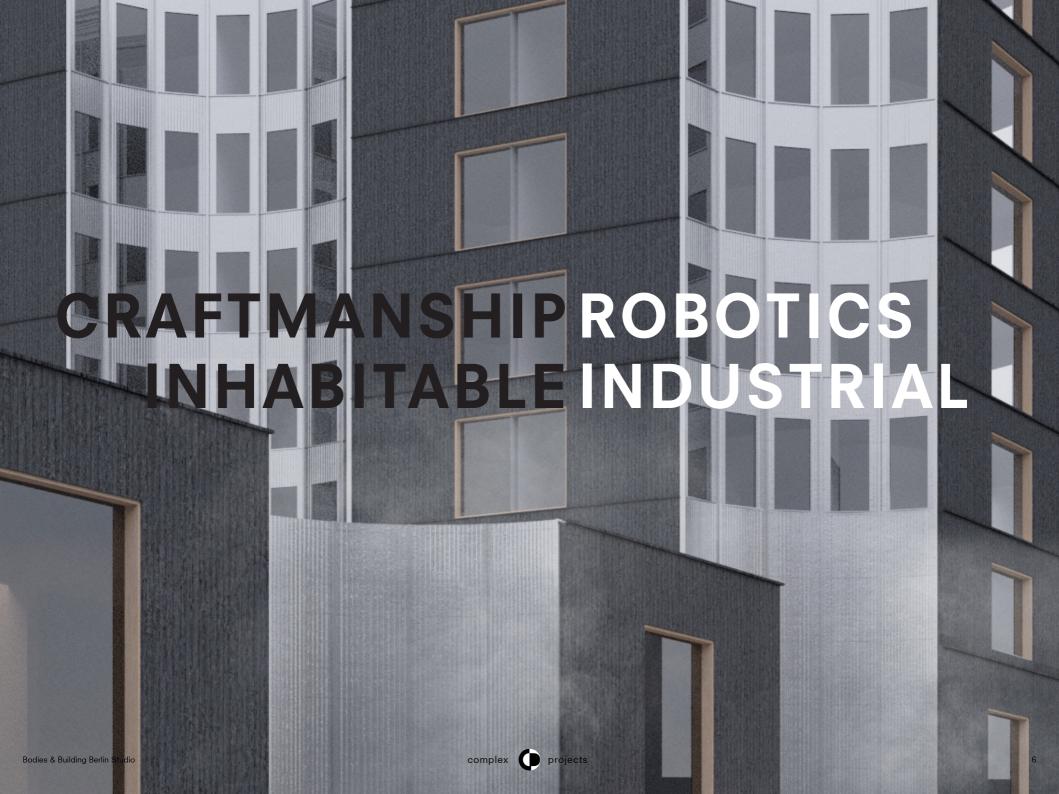
DESIGN BRIEF

CONCEPT

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RESEARCH

DESIGN BRIEF

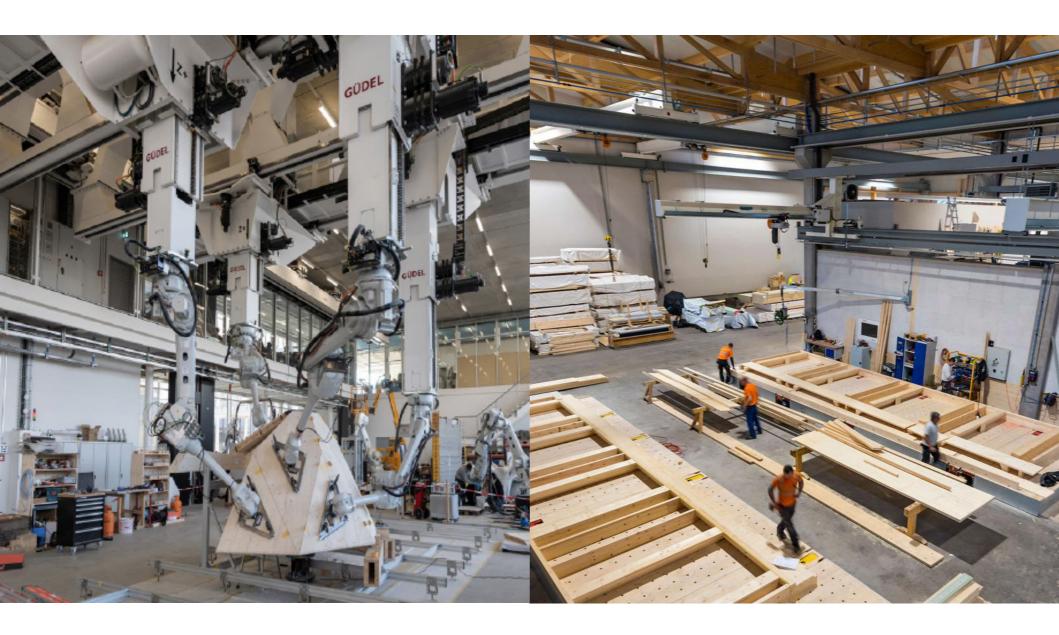
CONCEPT

IMPLEMENTATION

TIMBER INDUSTRY



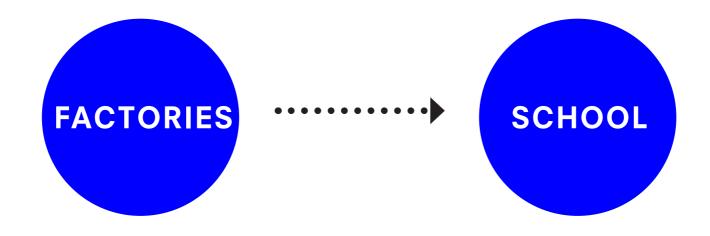
TIMBER INDUSTRY

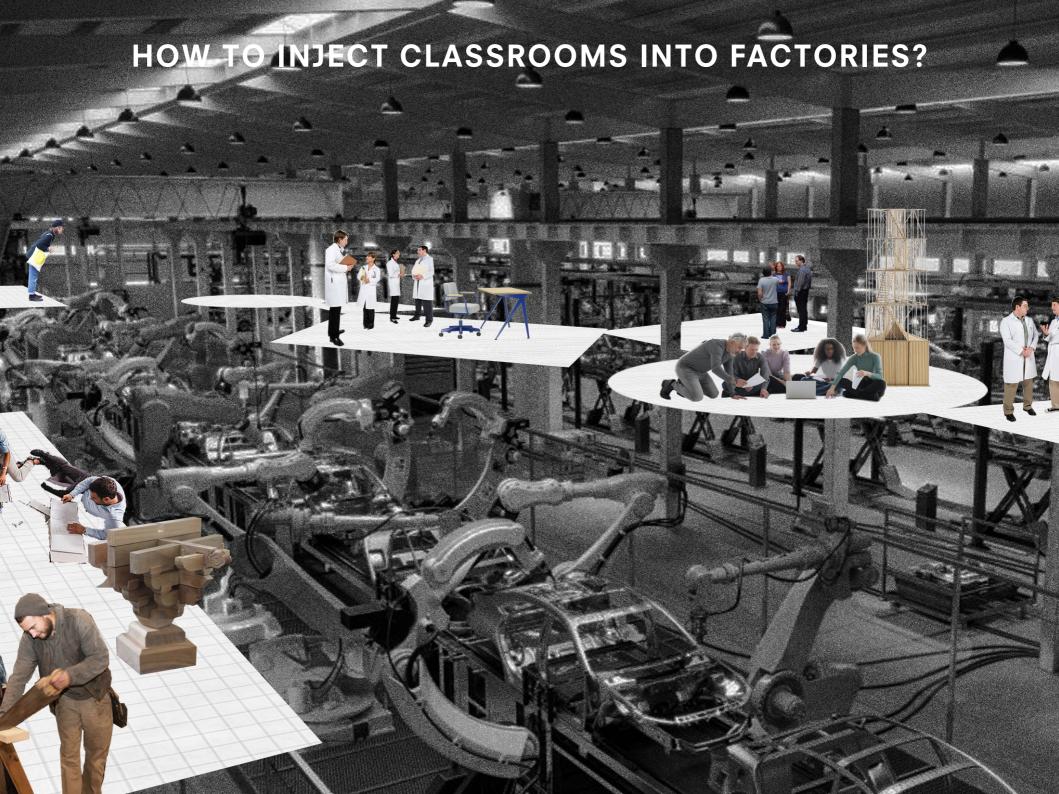


TOWARDS TIMBER INDUSTRY 4.0

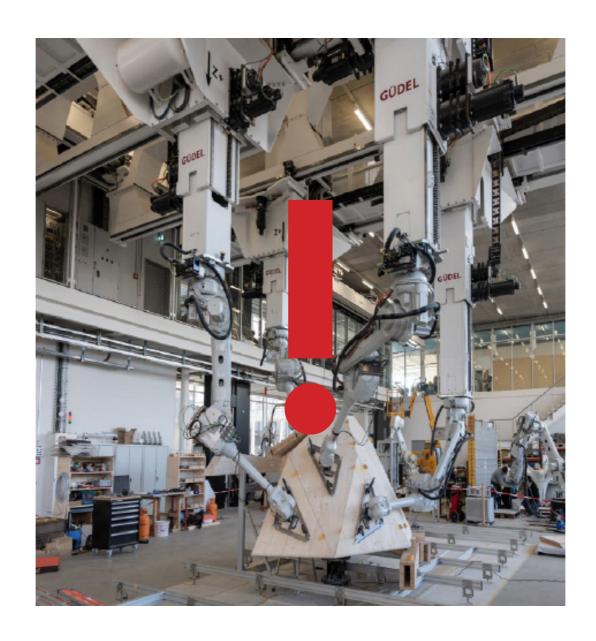


TOWARDS TIMBER INDUSTRY 4.0

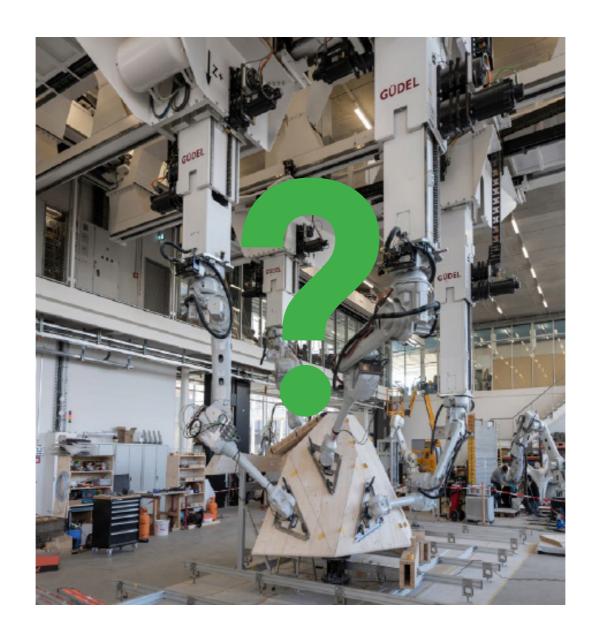




THE 4.0



THE 4.0



THINGS BEHIND THE 4.0



RESEARCH

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/ Client

/ Site

/ Program

CONCEPT

IMPLEMENTATION

STUDENTS NUMBER





Students: 500

Bachelor of wood technology Master of wood technology technologyApprentice Carpentry Journeyman (DQL-4) Carpentry Master (DQL-7)

Researchers: 120

Tearchers: 60

Employees: 30

Practitioners: 100

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RESEARCH

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/ Client

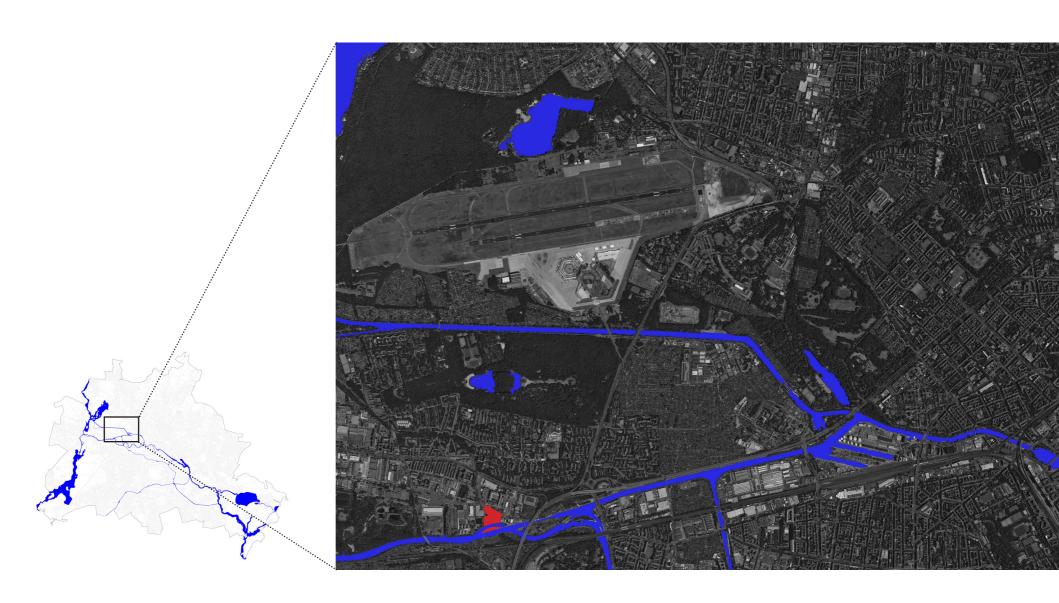
/ Site

/ Program

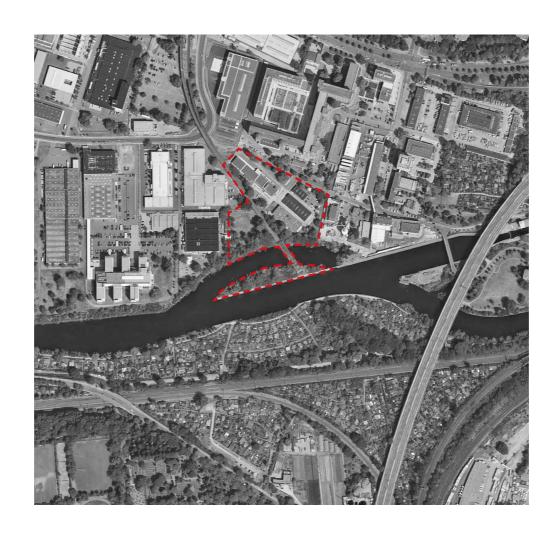
CONCEPT

IMPLEMENTATION

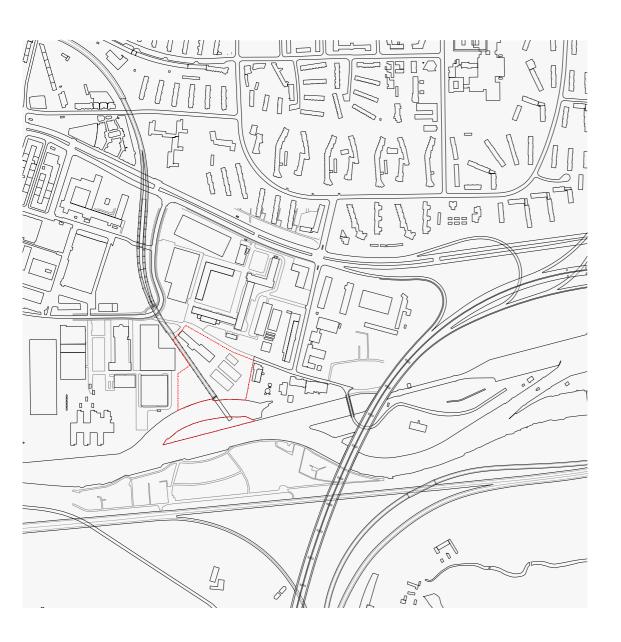
LOCATION



LOCATION



THE SITE



CONTEXT



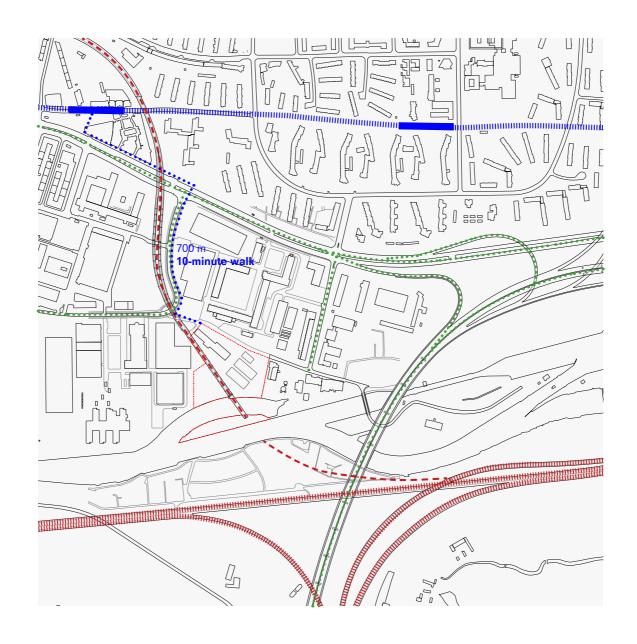


PRODUCTION AND PLACE



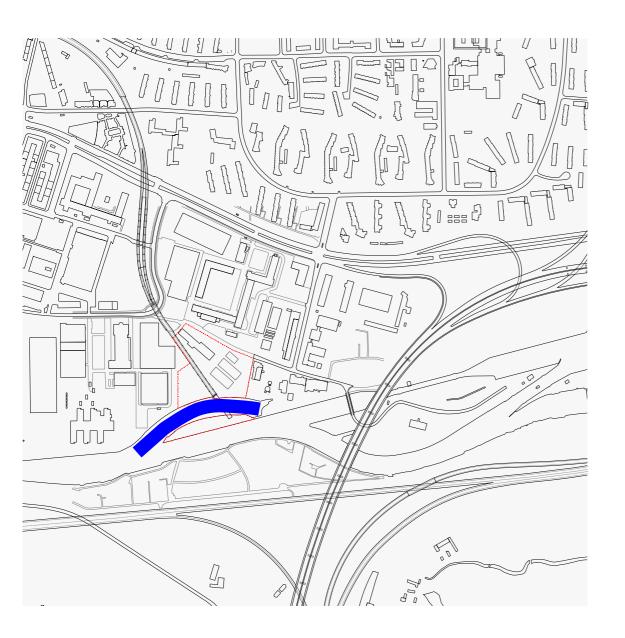


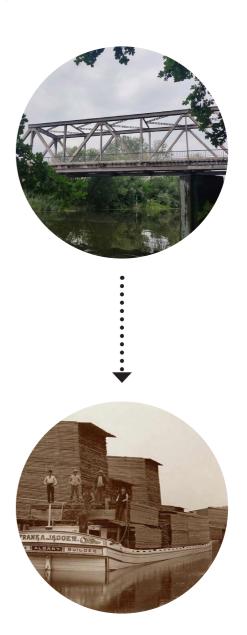
MOBILITY



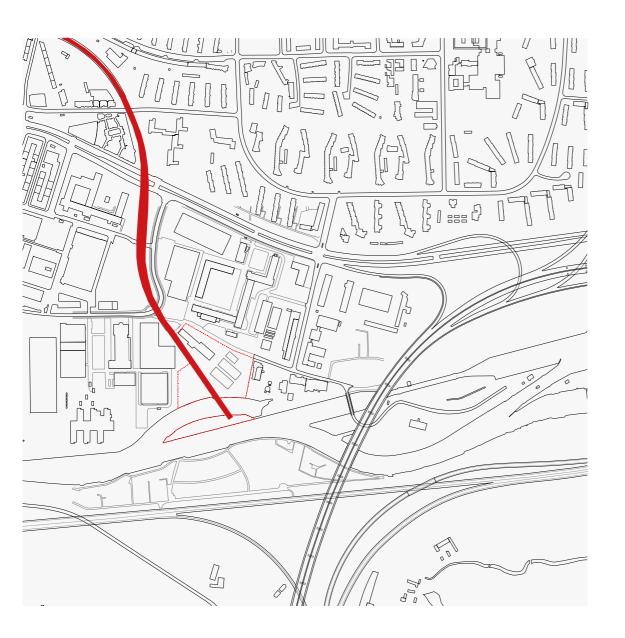


THE DISUSED WATER AS A PORT

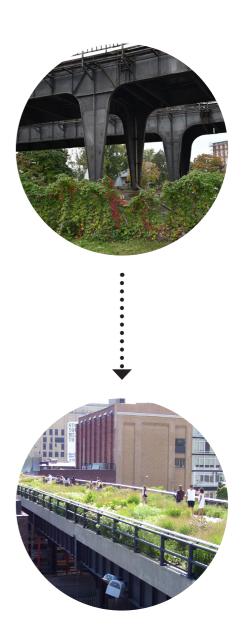




THE DISUSED VIADUCT AS "HIGHLINE"



Bodies & Building Berlin Studio



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DESIGN BRIEF

/ Client

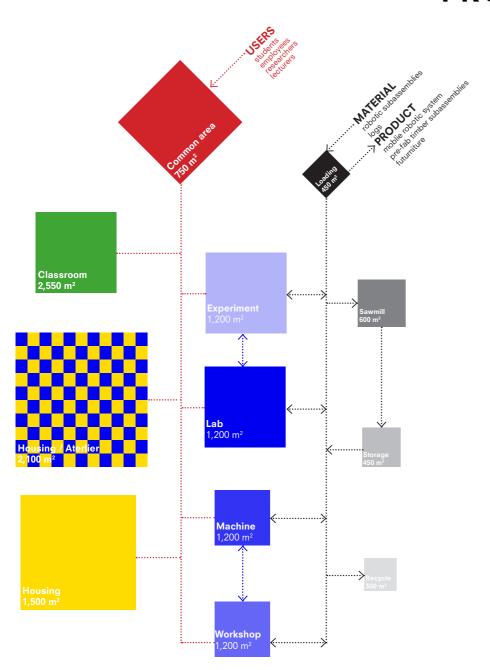
/ Site

/ Program

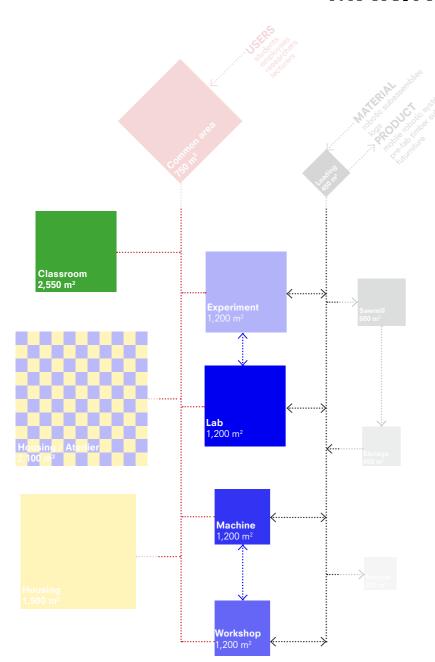
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PROGRAM

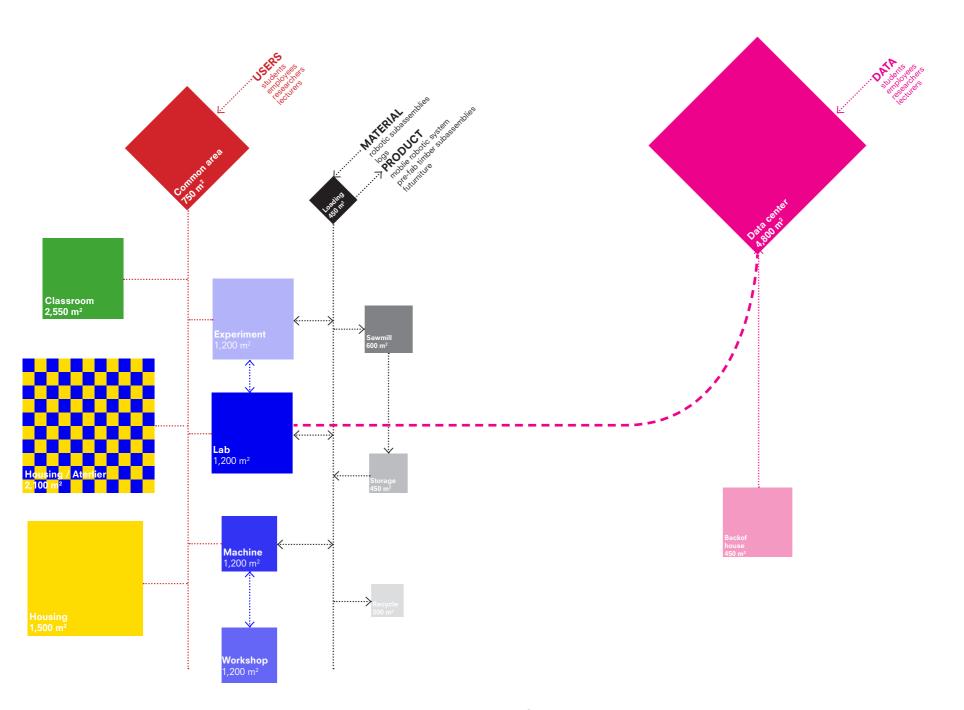


MAKING AND LEARNING









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CONCEPT

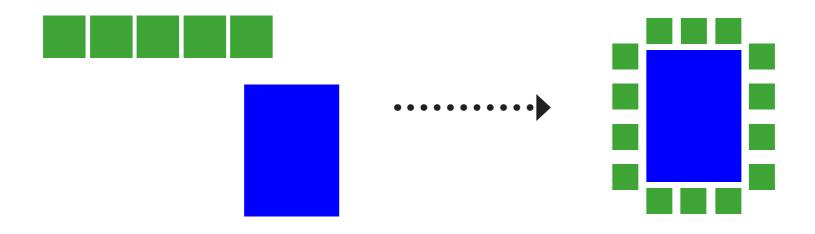
/ Building

/ Urban

/ Digitalization

IMPLEMENTATION

CLASSROOMS AND WORKSHOP



COMMON CONFIGURATION

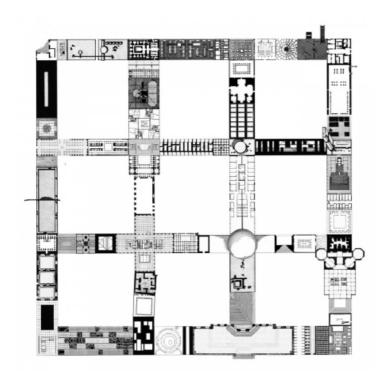
two independent parts

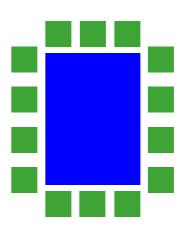
WHAT IF workshop framed by classrooms

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Concept

CONCEPT





Classrooms as the interface of the workshop

Concept

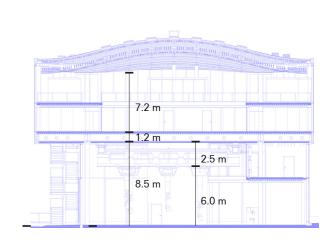
CONNECTED BUT TWO EXPERIENCES



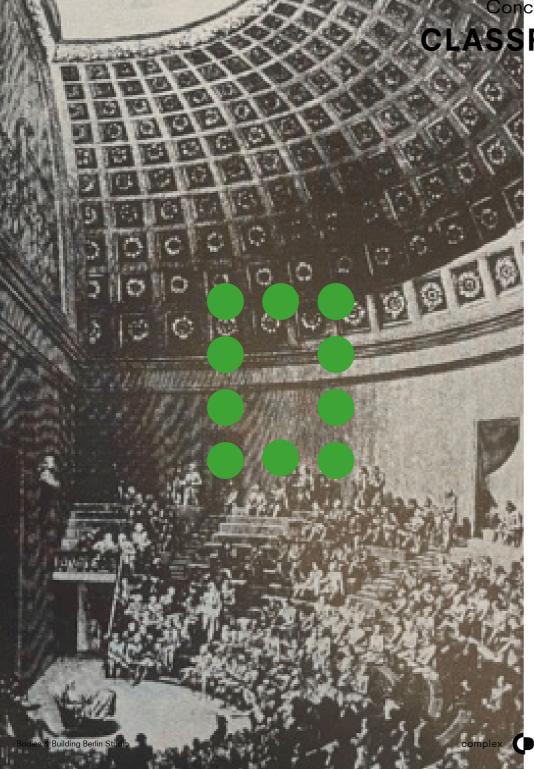


GODEL

Bodies & Building Berlin Studio

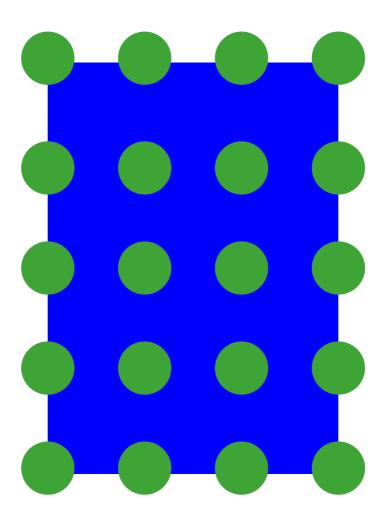








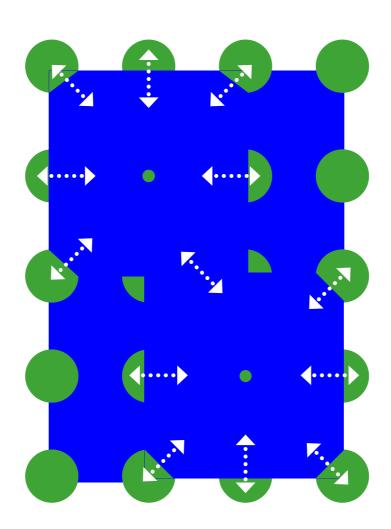
CONCEPTUAL PLAN

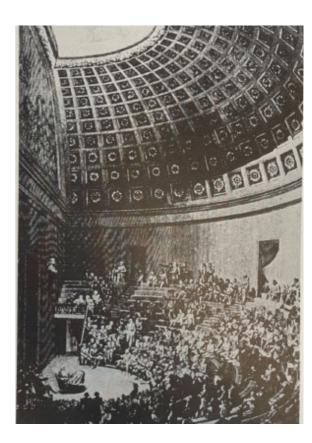


Workshop inbetween classrooms

CONCEPTUAL PLAN

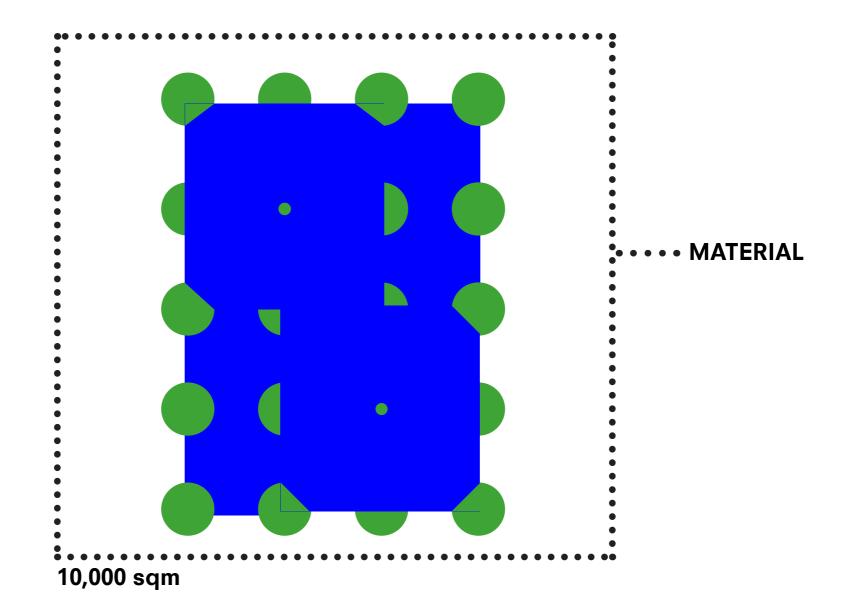






Workshop inbetween classrooms

CONCEPTUAL PLAN



PEOPLE *****

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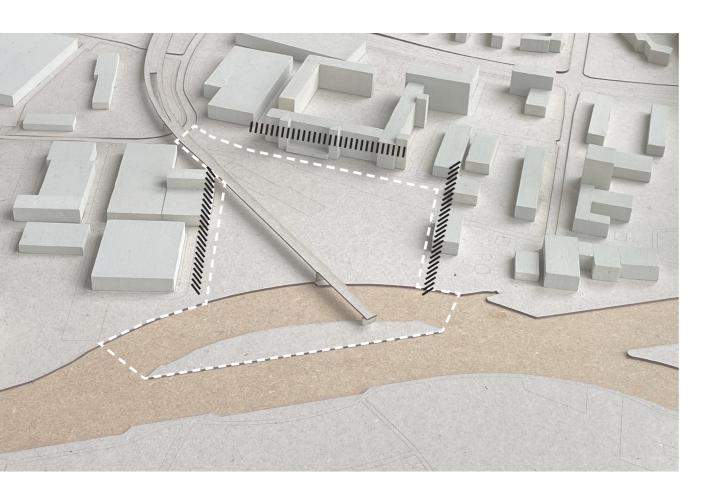
/ Urban

/ Digitalization

IMPLEMENTATION

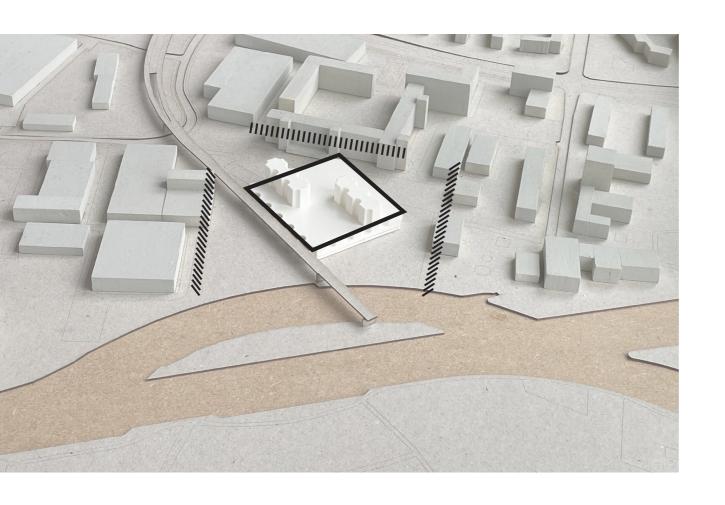
DEVELOPMENT

INDUSTRIAL CONTEXT

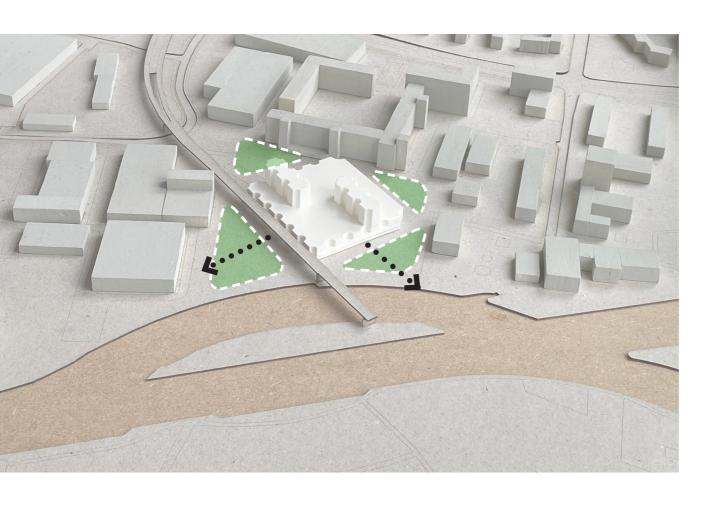




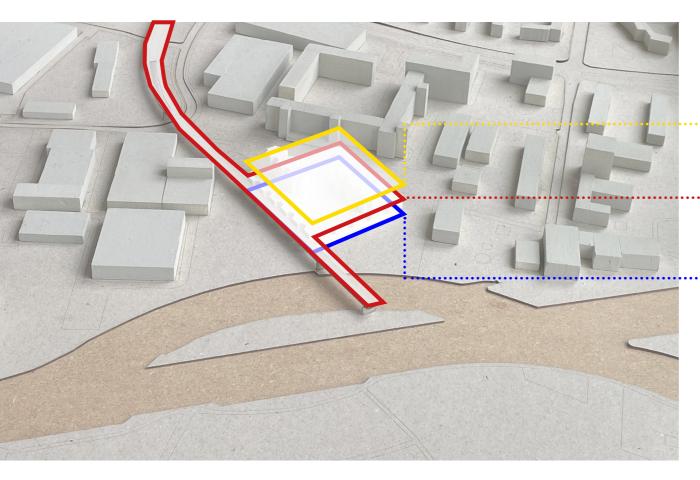
POSITION & ORIENTATION



FOUR SQUARES



THREE LEVELS

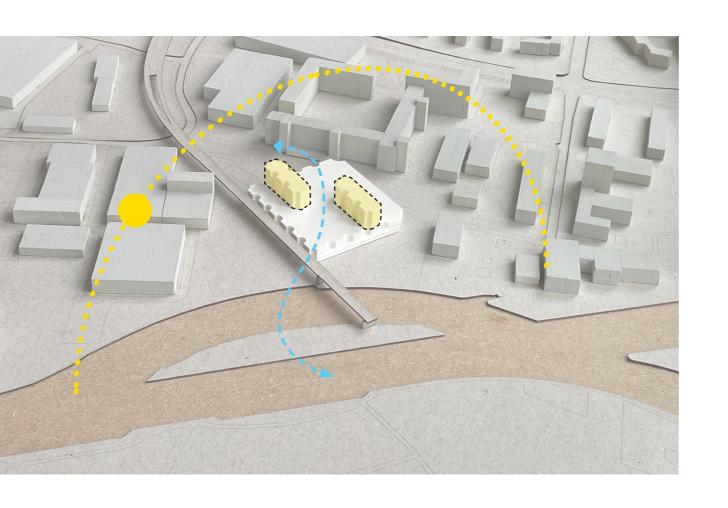


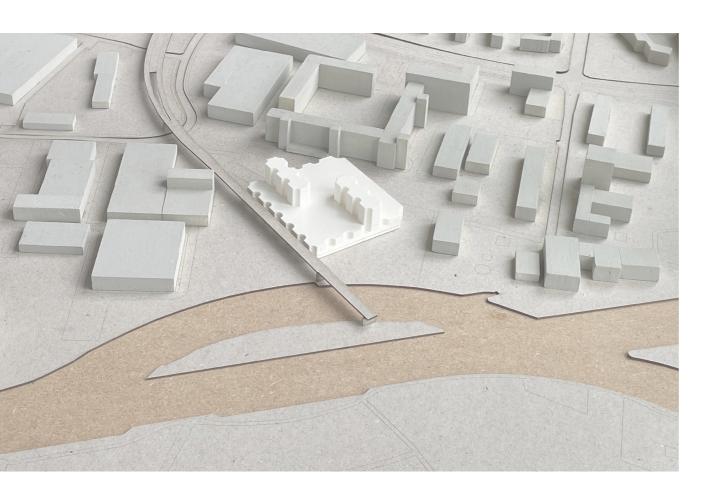
DWELLING, PRIVATE

EVENT, PUBLIC

CRAFTING, INDUSTIRAL

DWELLING ORIENTATION





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/ Digitalization

IMPLEMENTATION

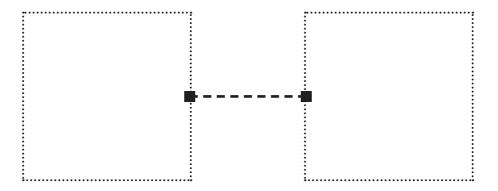
DEVELOPMENT

DATA AWARENESS

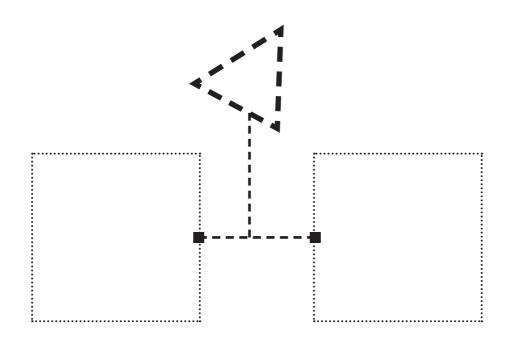




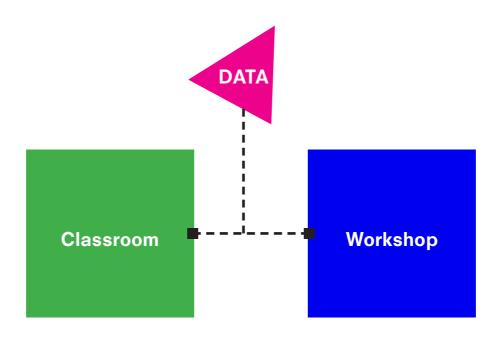
Concept CONNECTION



INTERLUDE



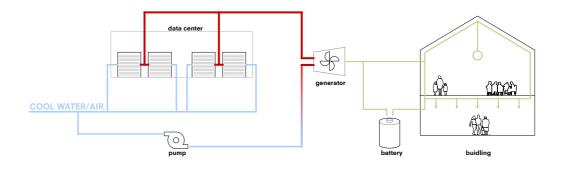
Concept INTERLUDE



DATA CENTER AS HEATING SOURCE

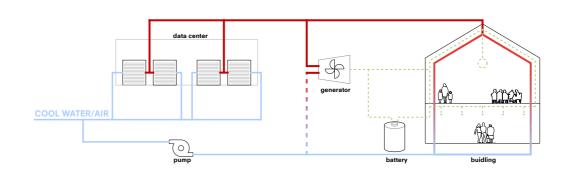
SUMMER

The heat carried by the water and air is used to generate electricity



WINTER

Heat produced by the data center is directly transferred by the cool water or air inlet to warm up the interior



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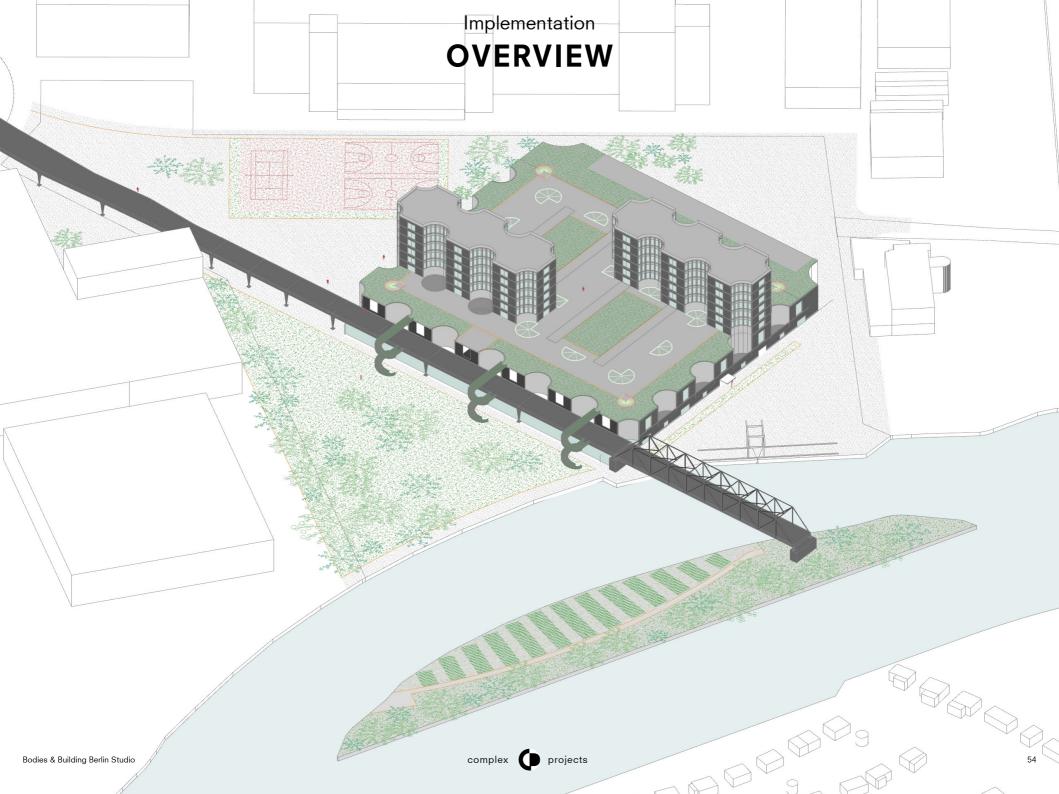
CONCEPT

IMPLEMENTATION / Urban

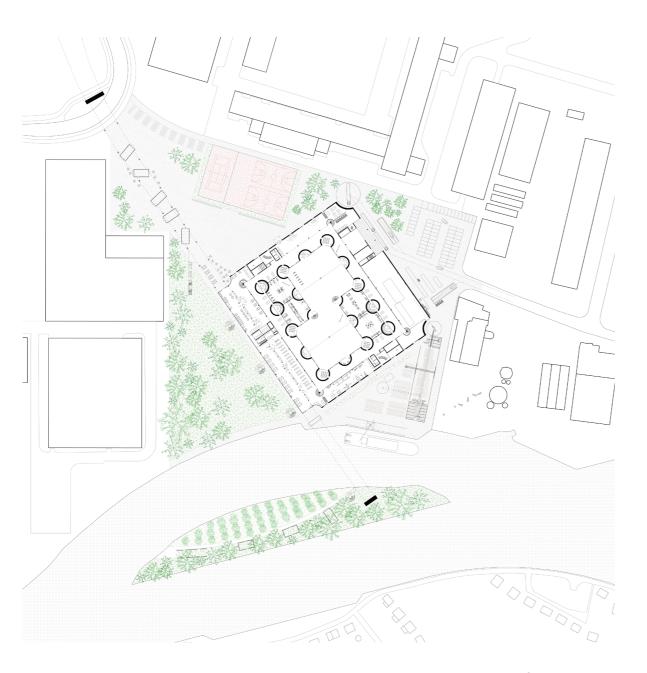
/ Building

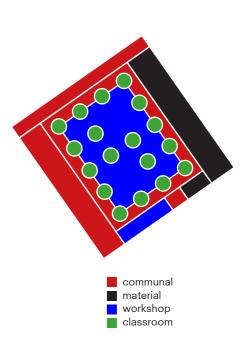
/ Digitalization

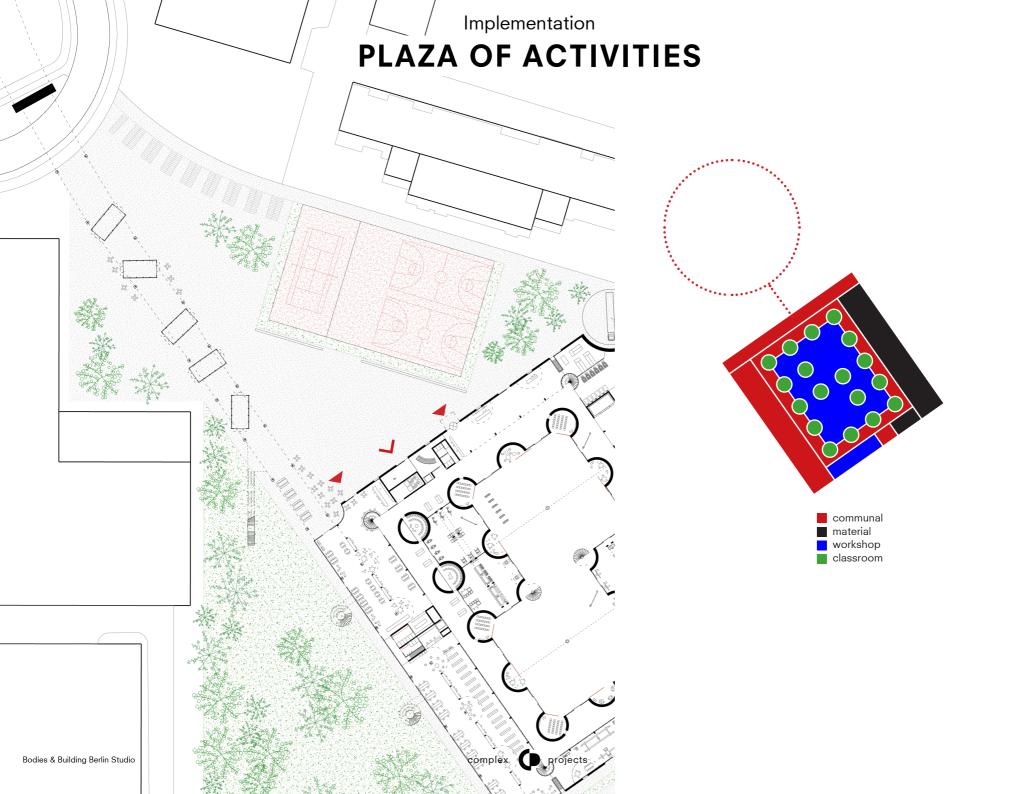
DEVELOPMENT



URBAN IMPLEMENTATION

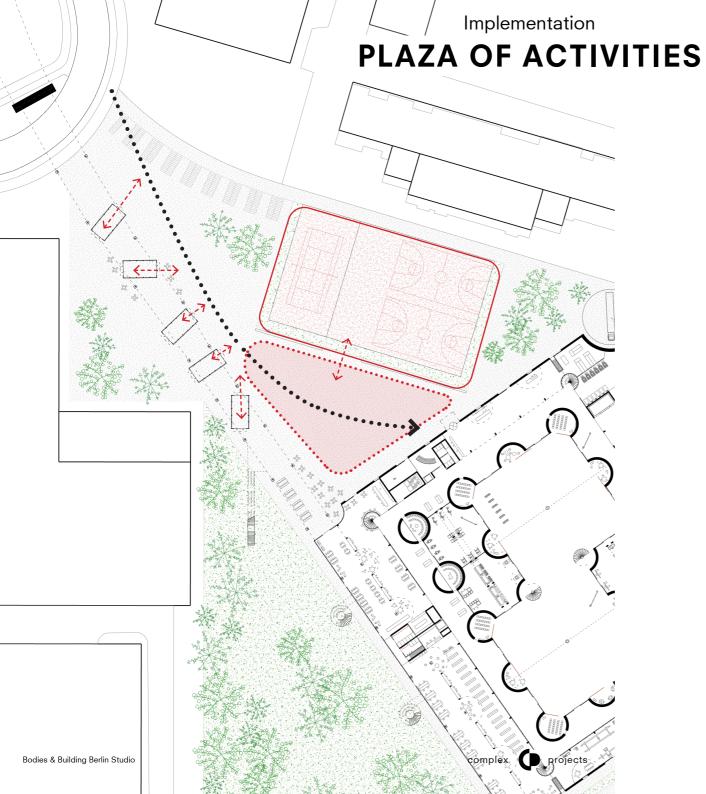






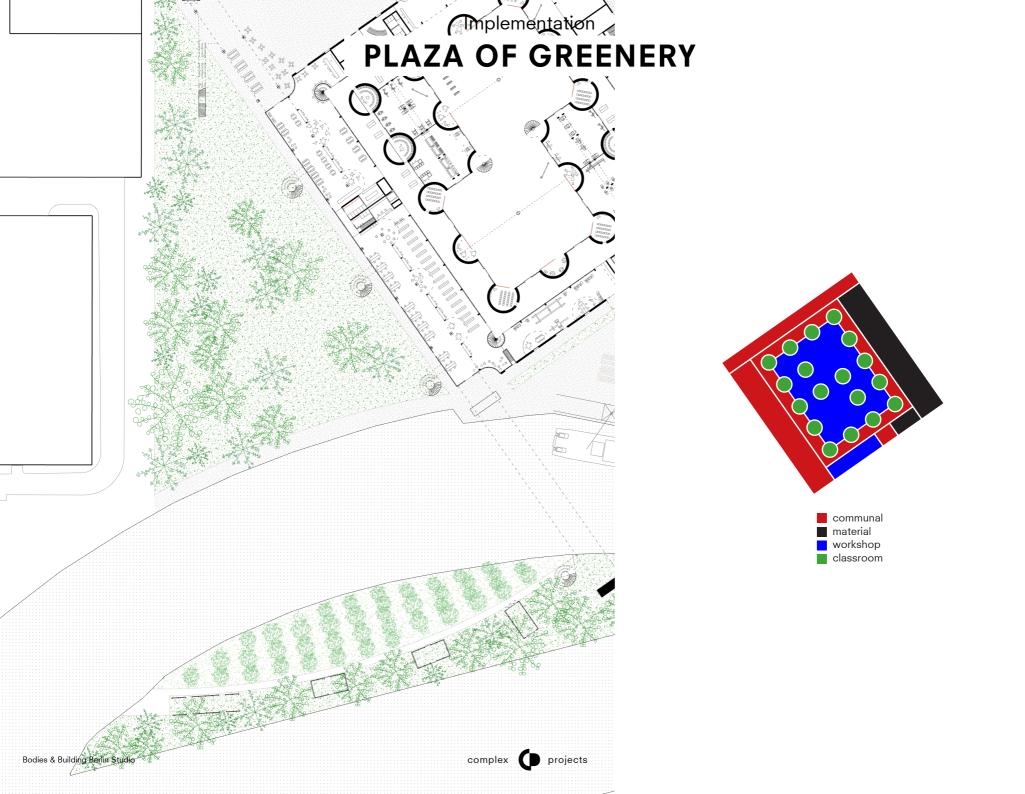
PLAZA OF ACTIVITIES

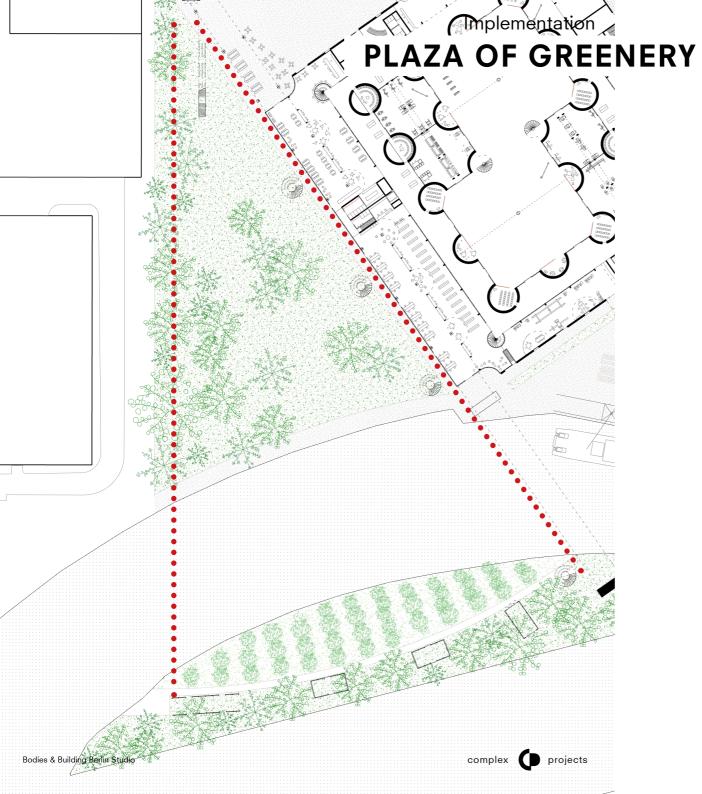


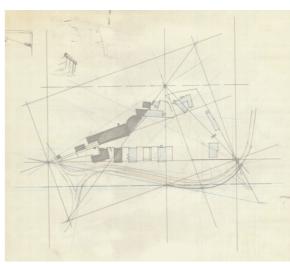




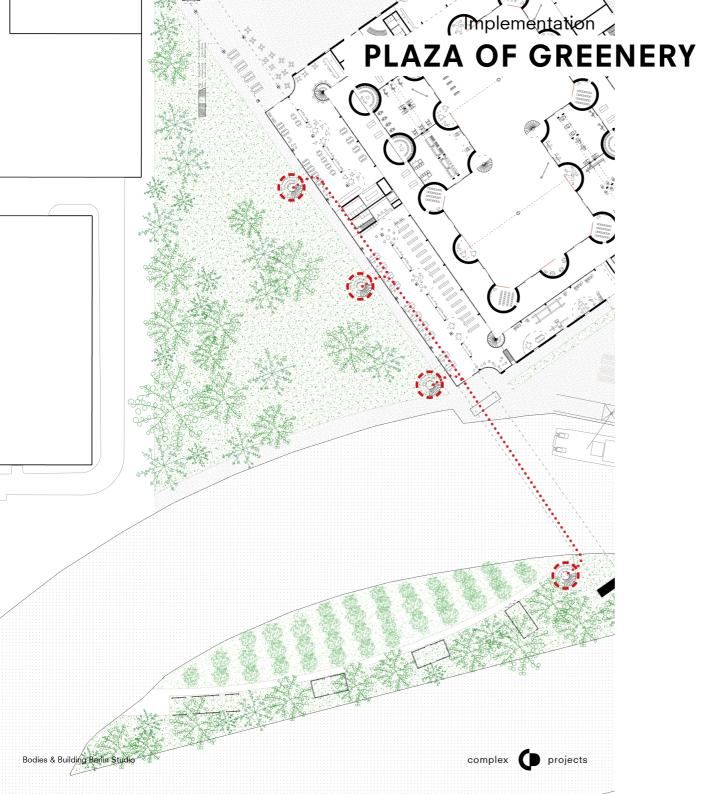






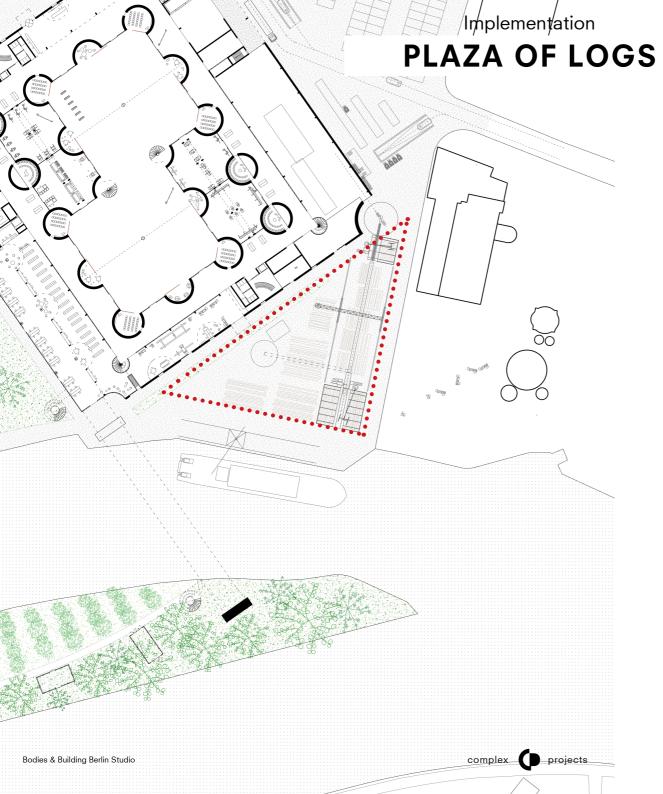


reference: Porto School of Architecture, Porto, Alvaro Siza

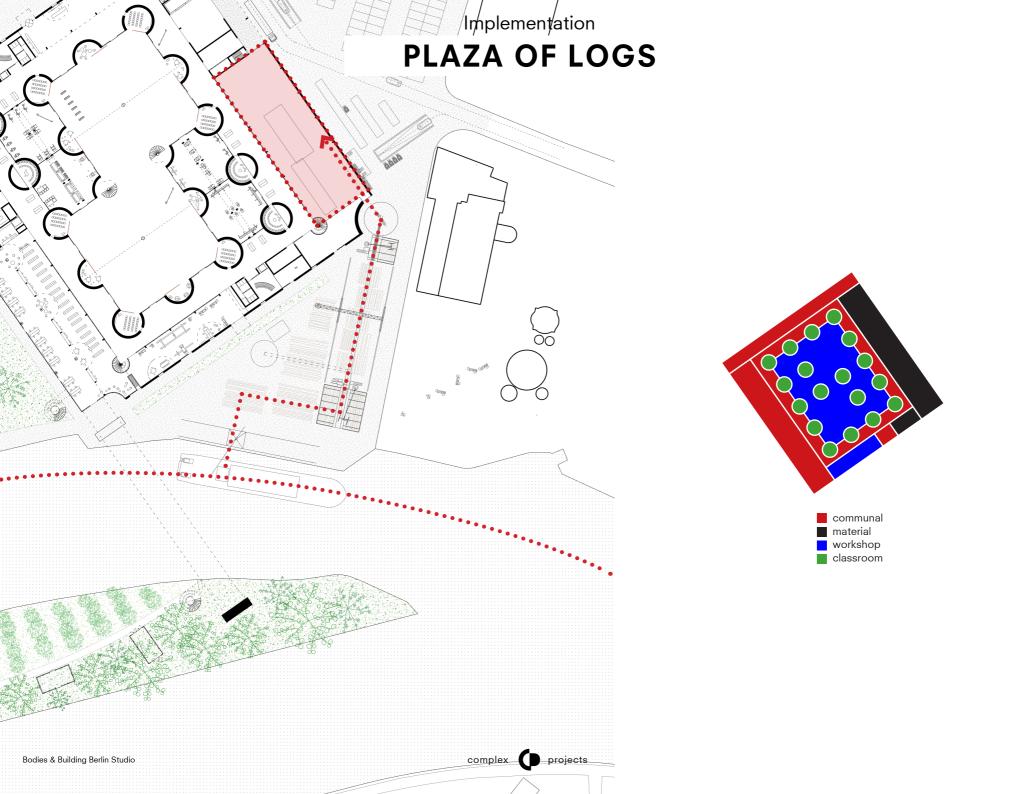


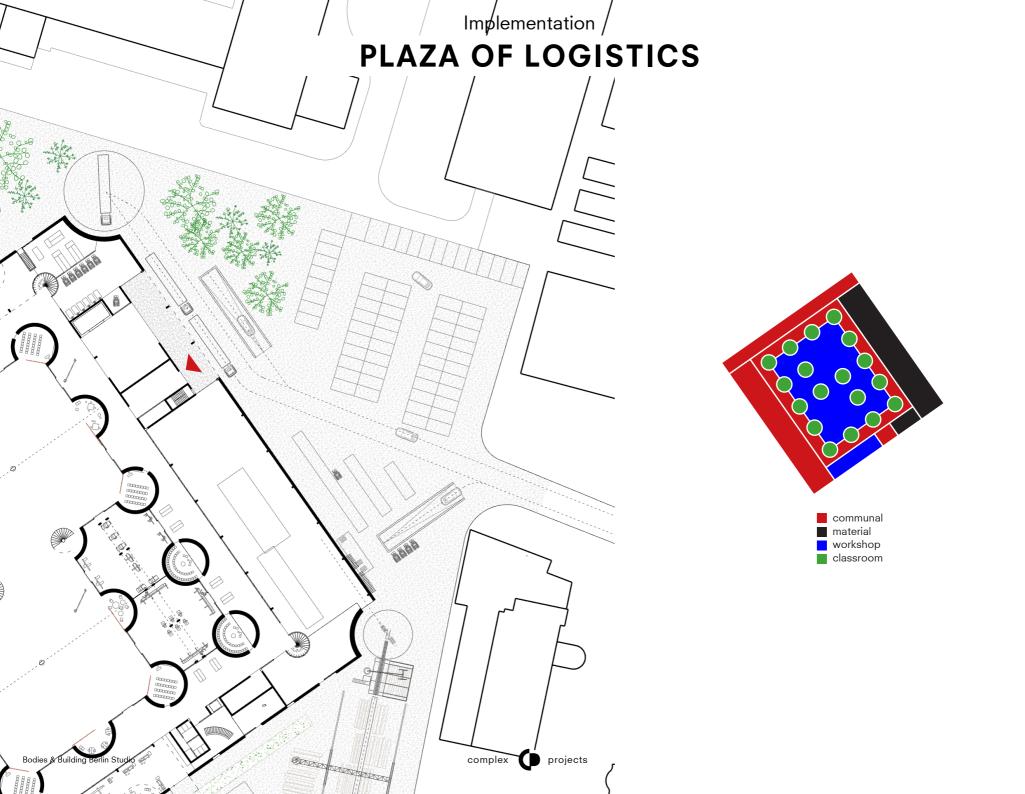


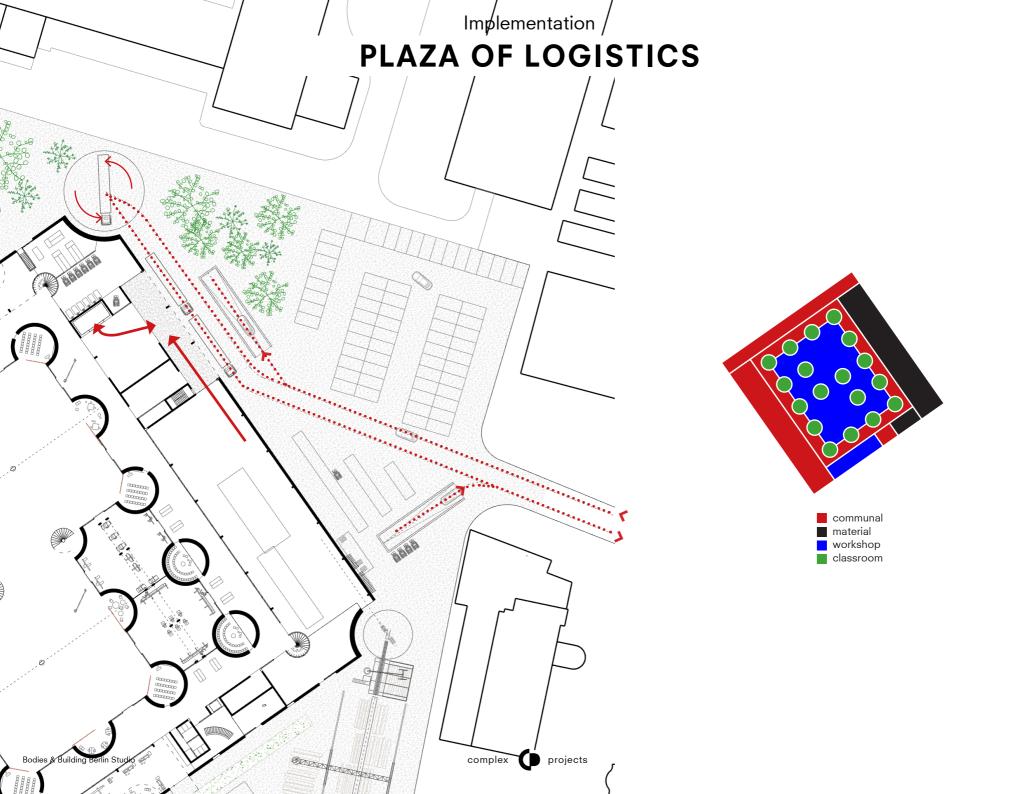












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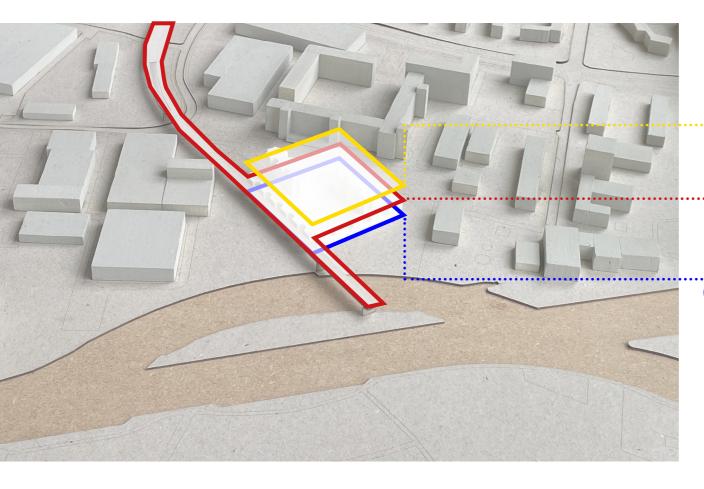
IMPLEMENTATION / Urban

/ Building

/ Digitalization

DEVELOPMENT

THREE LEVELS

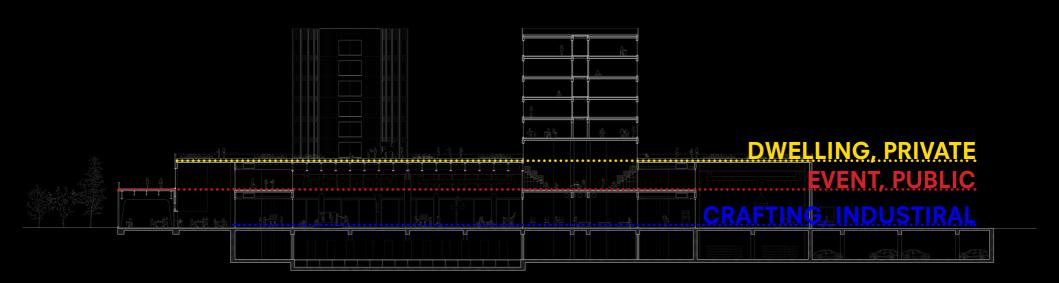


DWELLING, PRIVATE

EVENT, PUBLIC

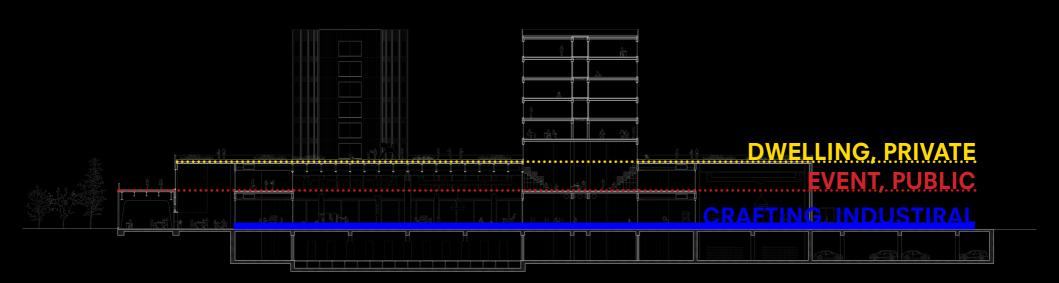
CRAFTING, INDUSTIRAL

THREE LEVELS



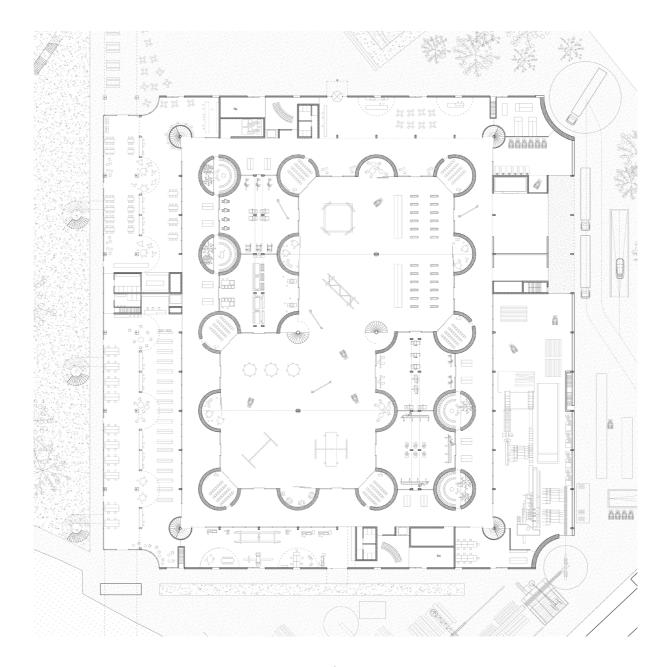


THREE LEVELS

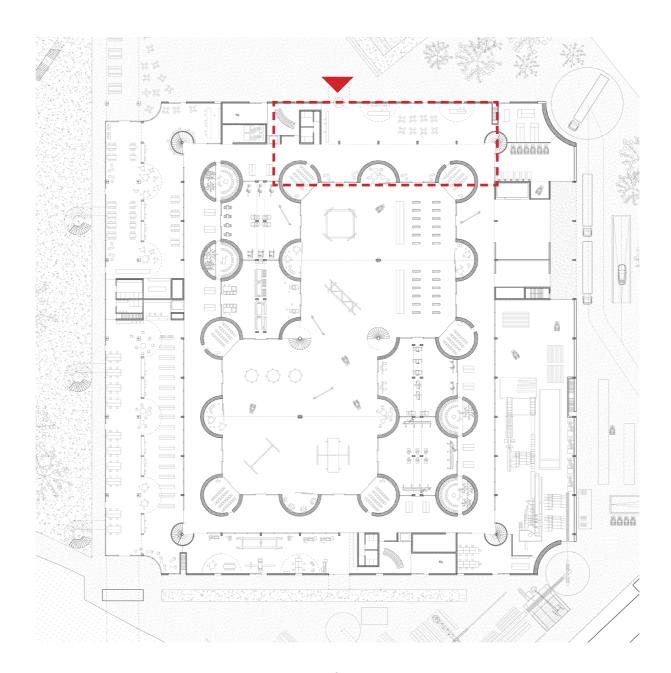


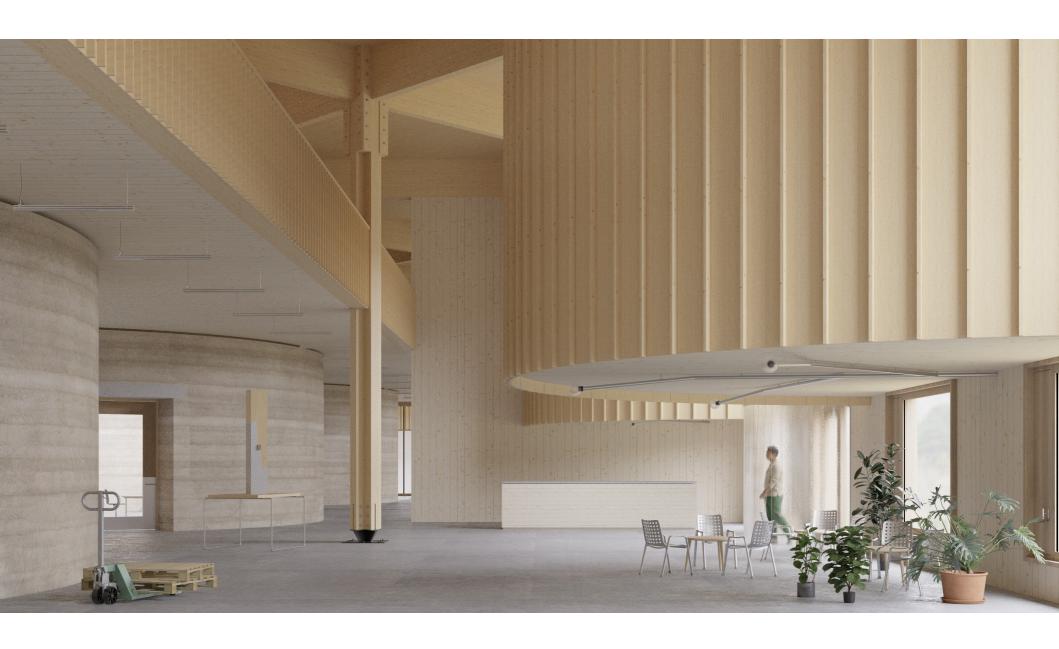


CRAFTING

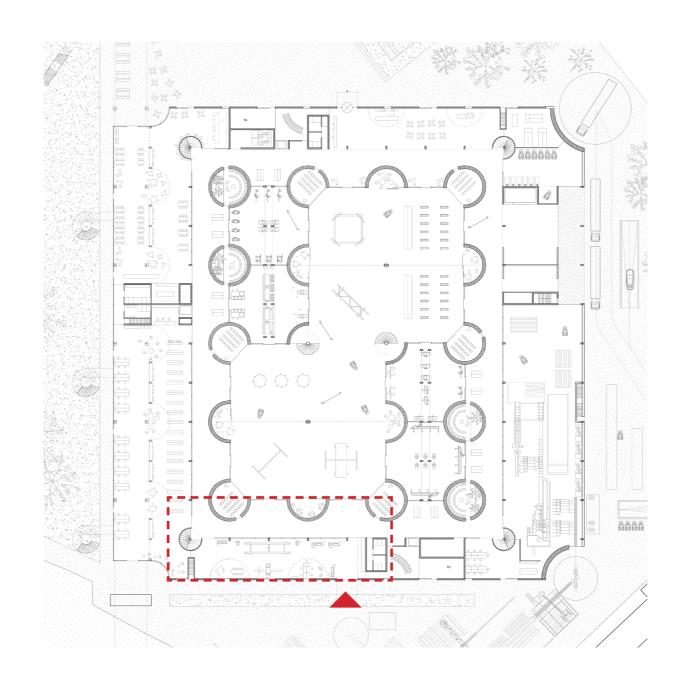


CRAFTING



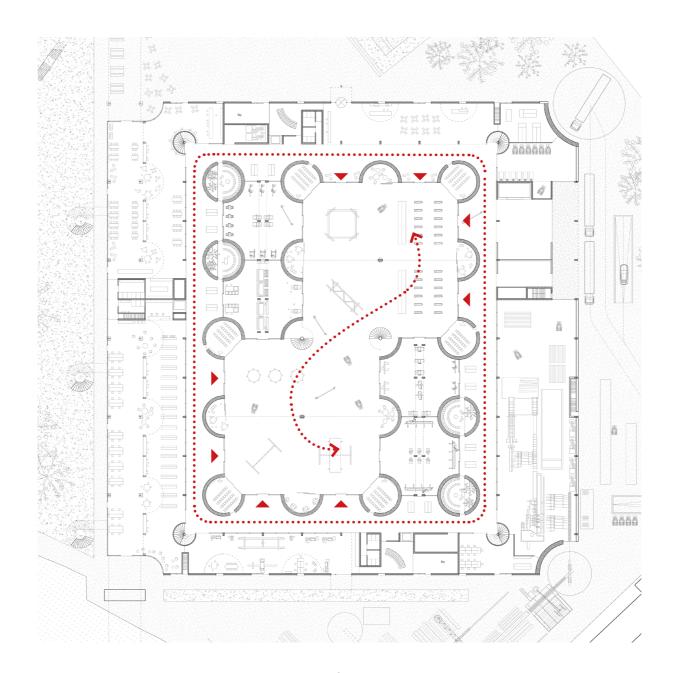


CRAFTING

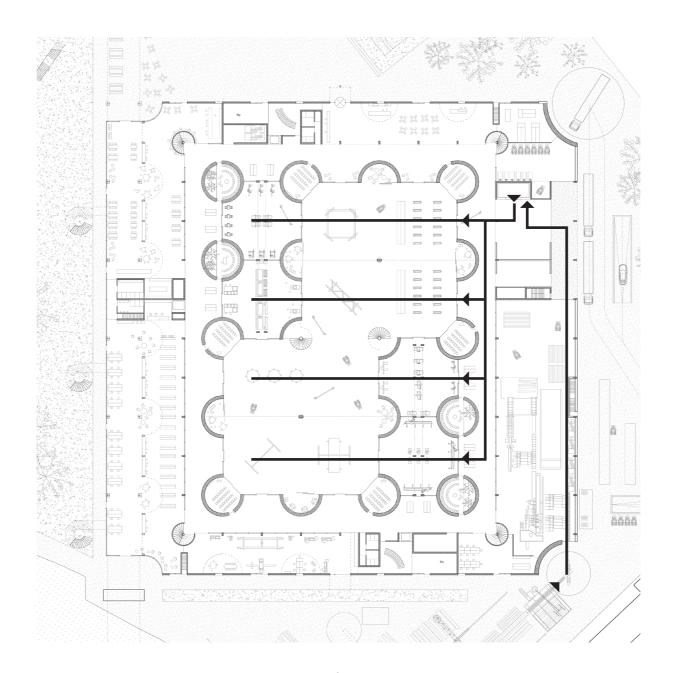




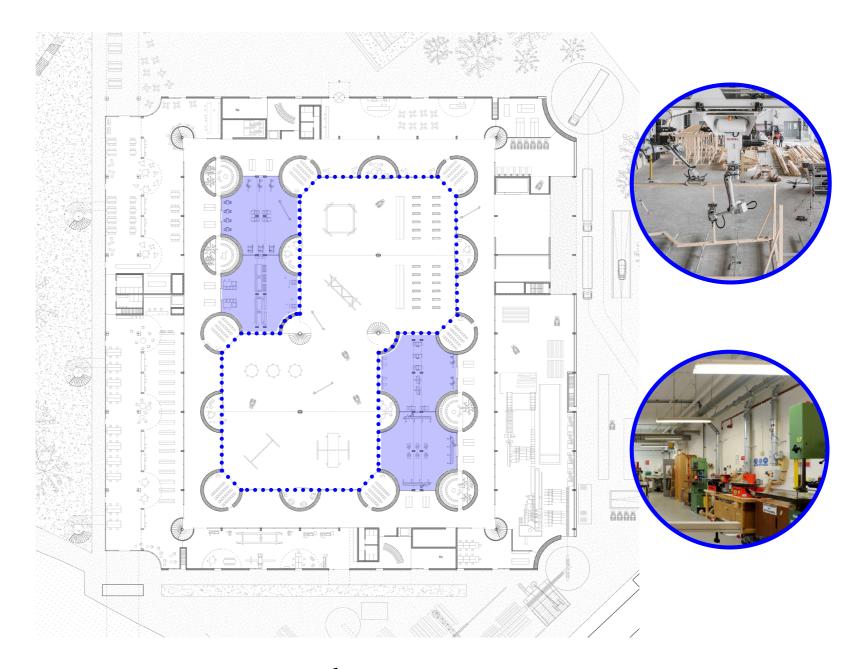
CIRCULATION



CIRCULATION



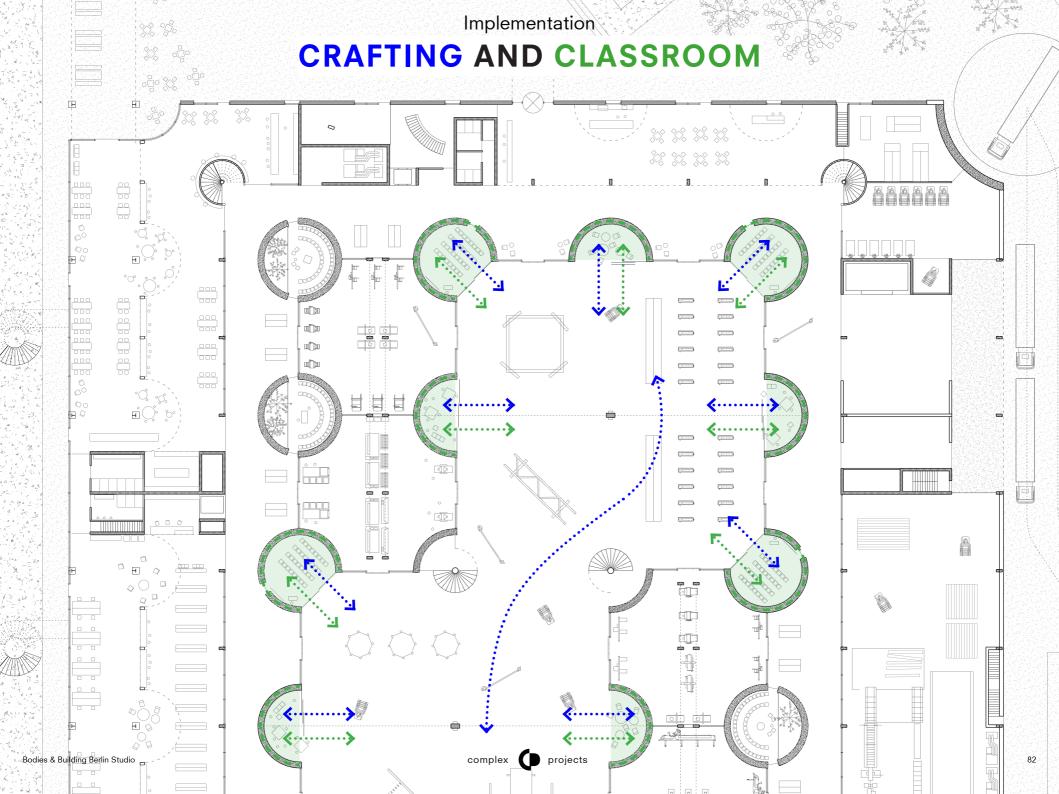
CRAFTING

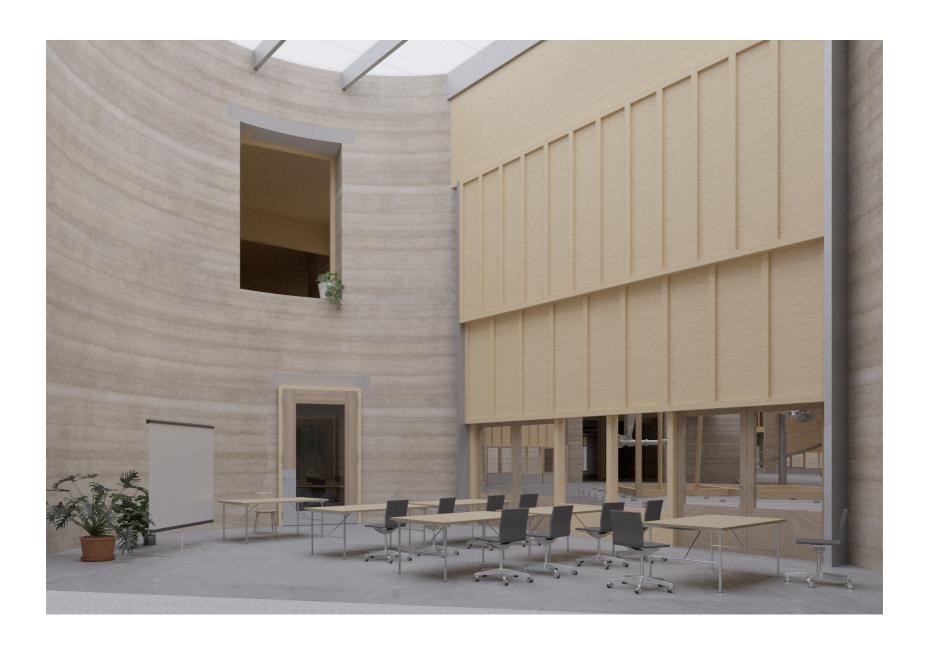






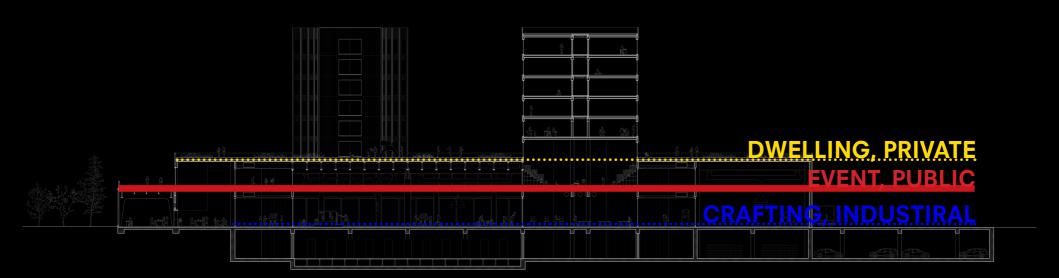






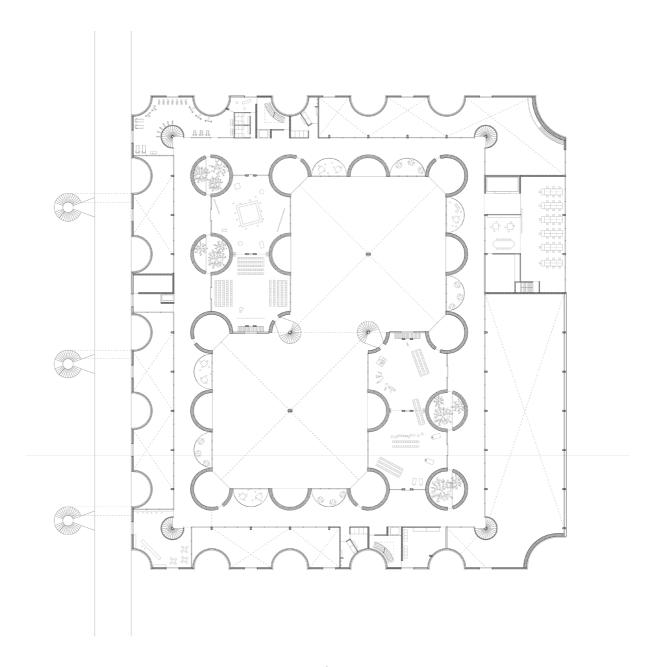


THREE LEVELS

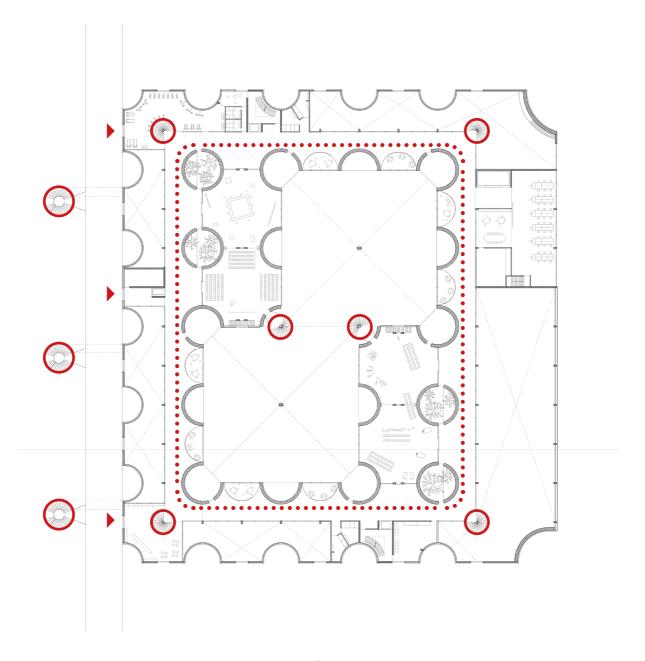


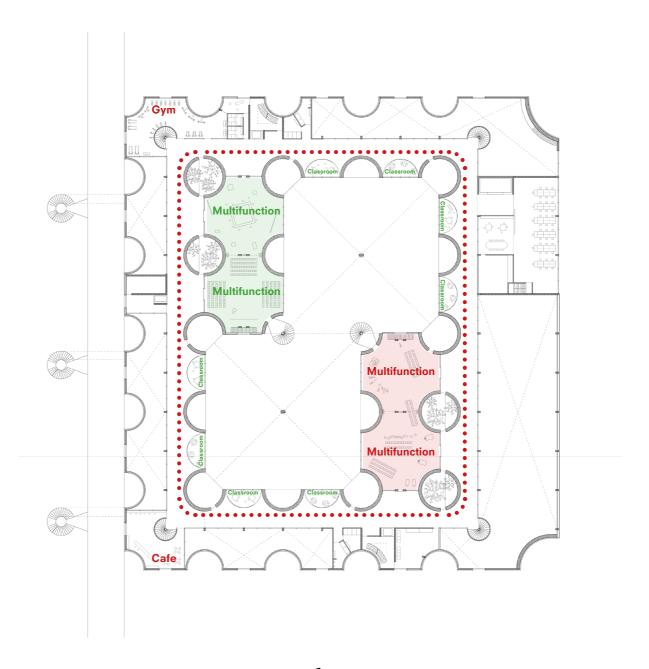


PUBLIC



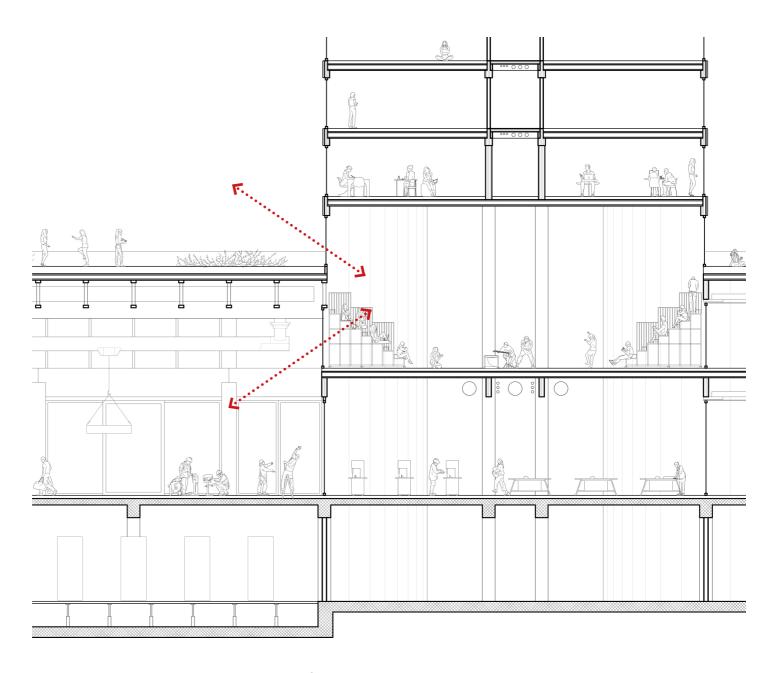
CIRCULATION



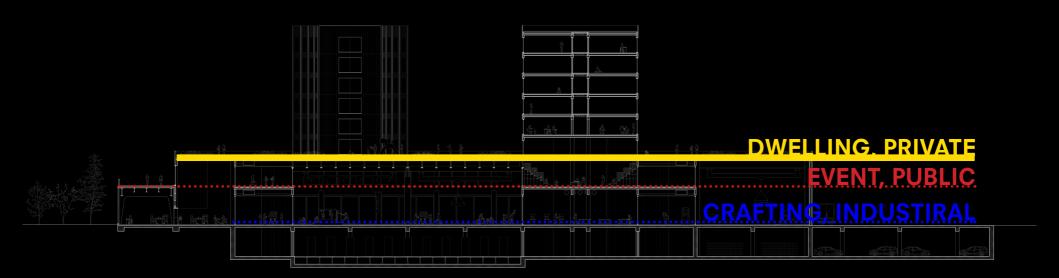




VISUAL CONNECTION

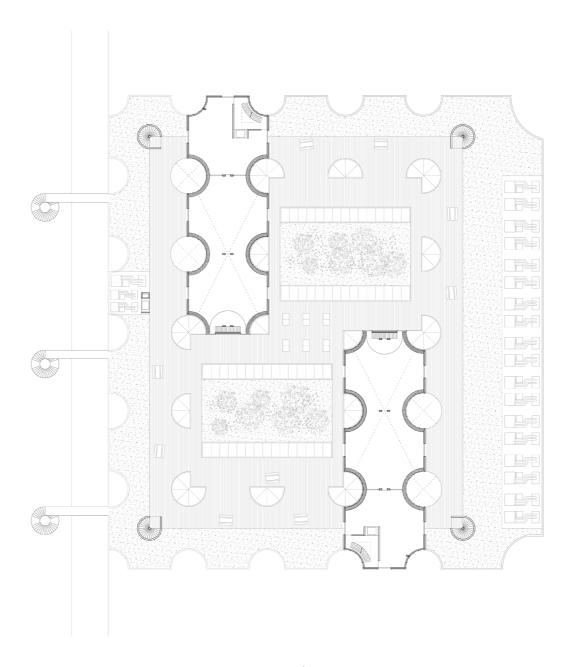


THREE LEVELS

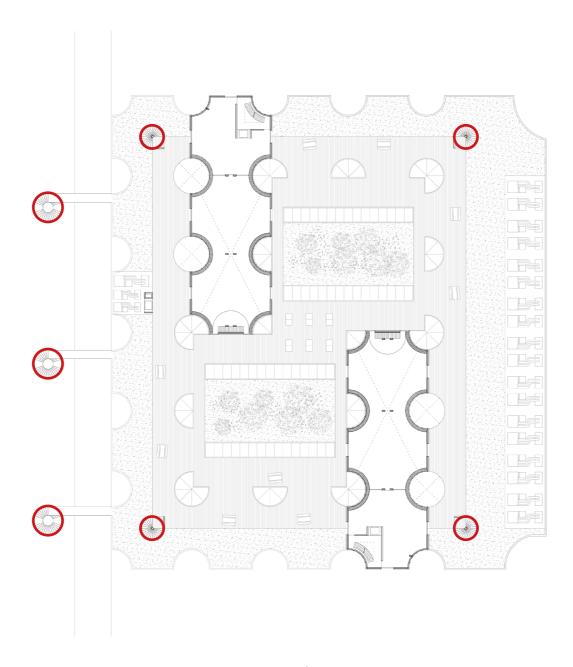




DWELLING



CIRCULATION

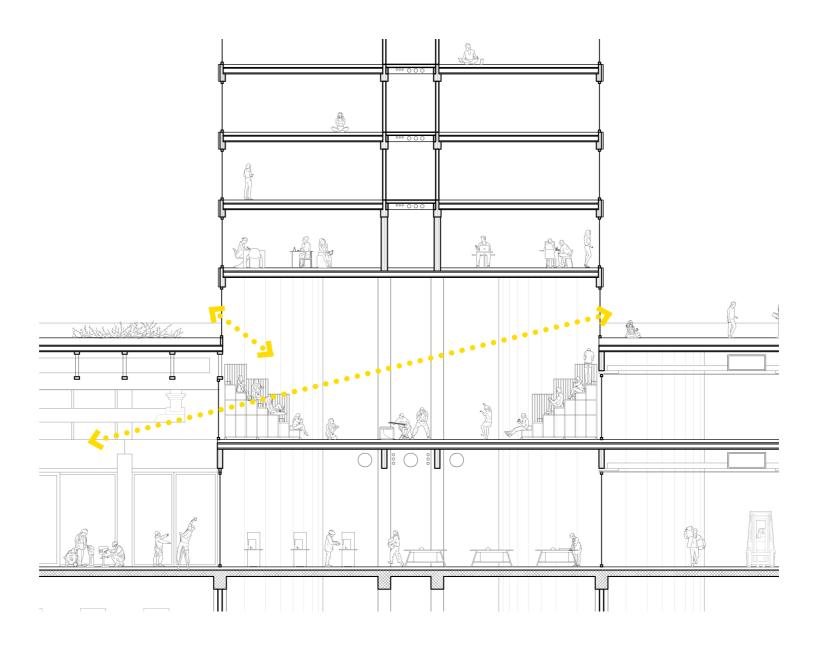


GARDEN FOR THE DWELLING

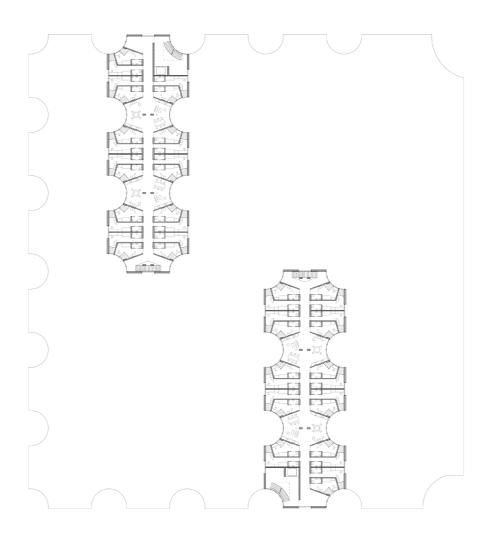




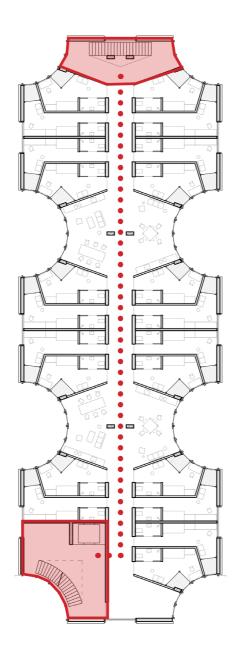
VISUAL CONNECTION



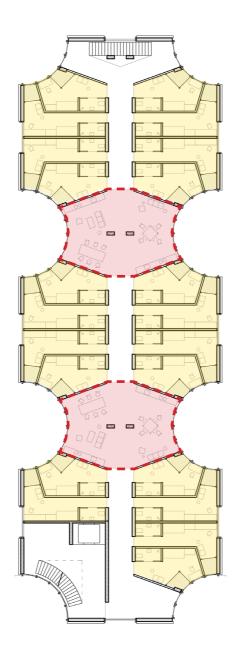
DWELLING



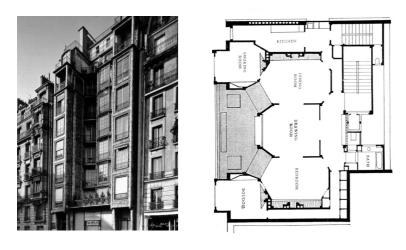
CIRCULATION



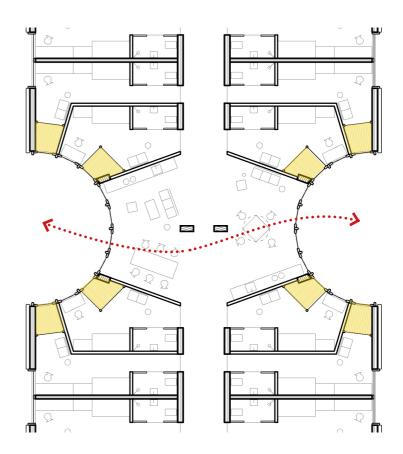
COLLECTIVE LIVING



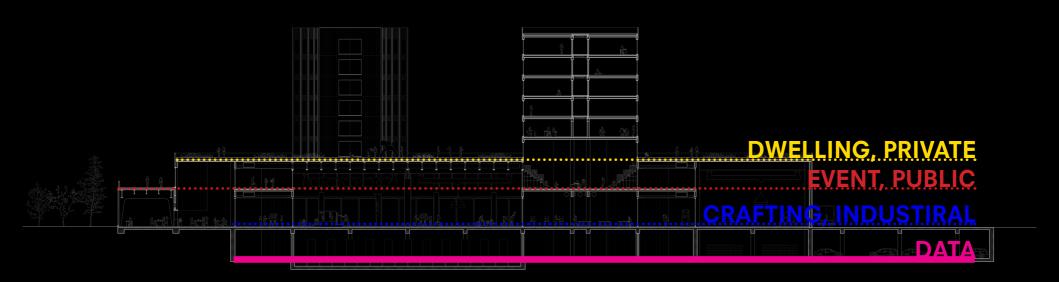
LOGGIA



reference: Rue Franklin Apartments, Paris, Auguste Perret

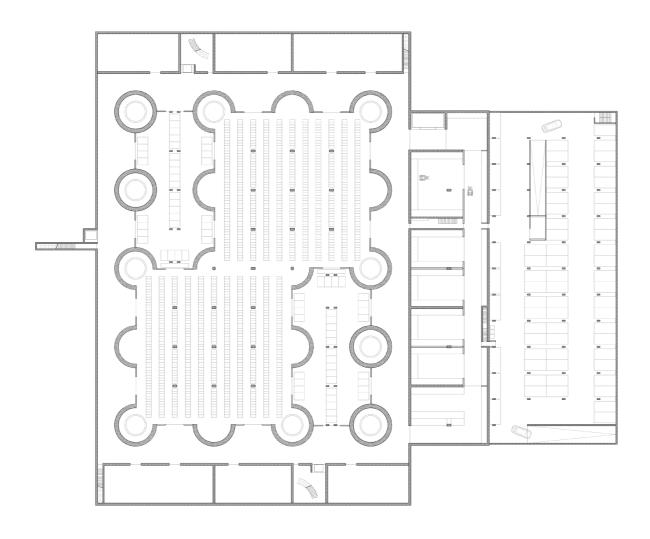


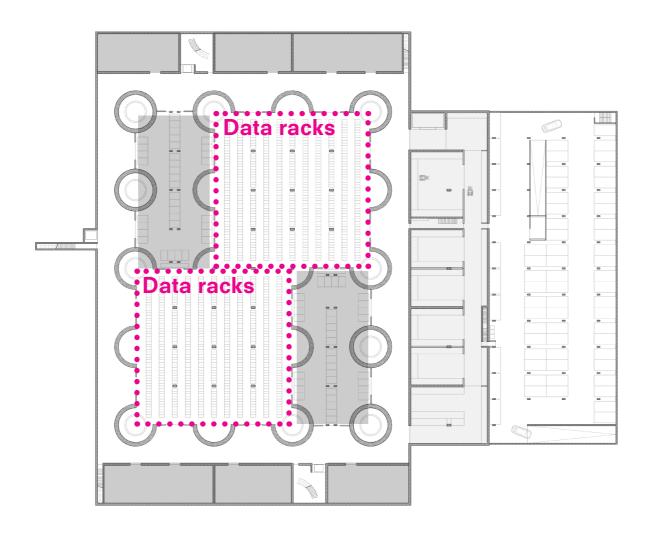
DATA CENTER UNDERGROUND

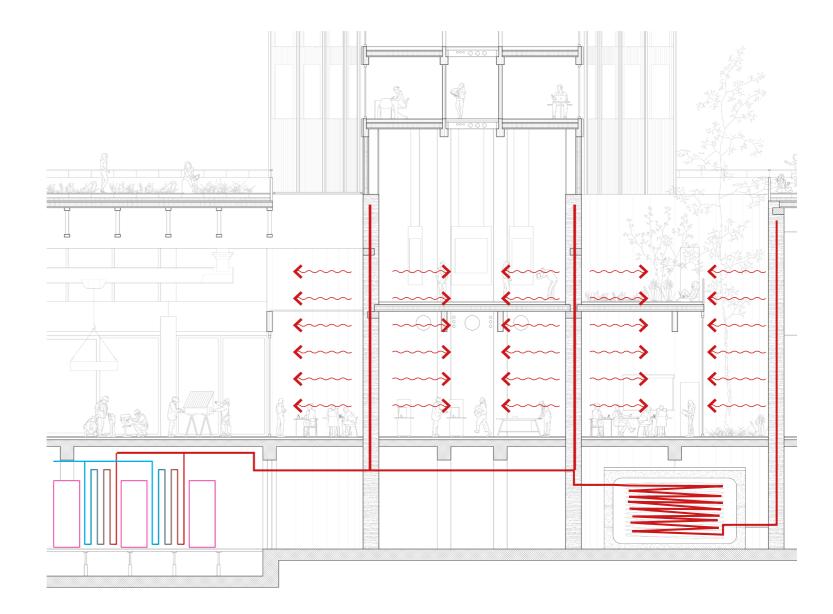




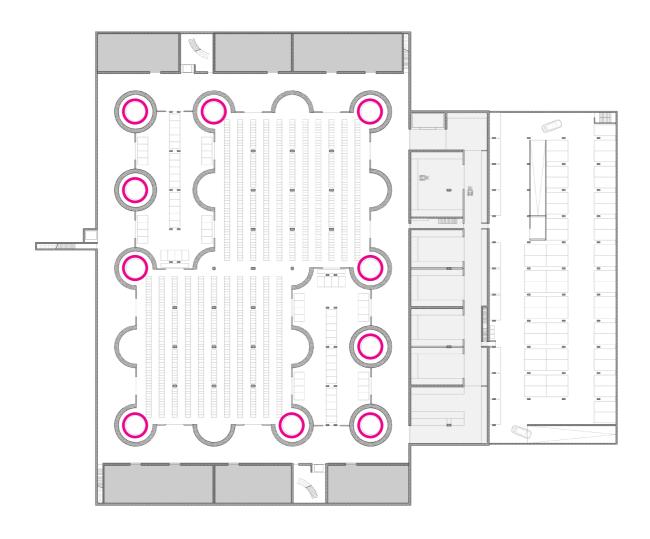
DATA











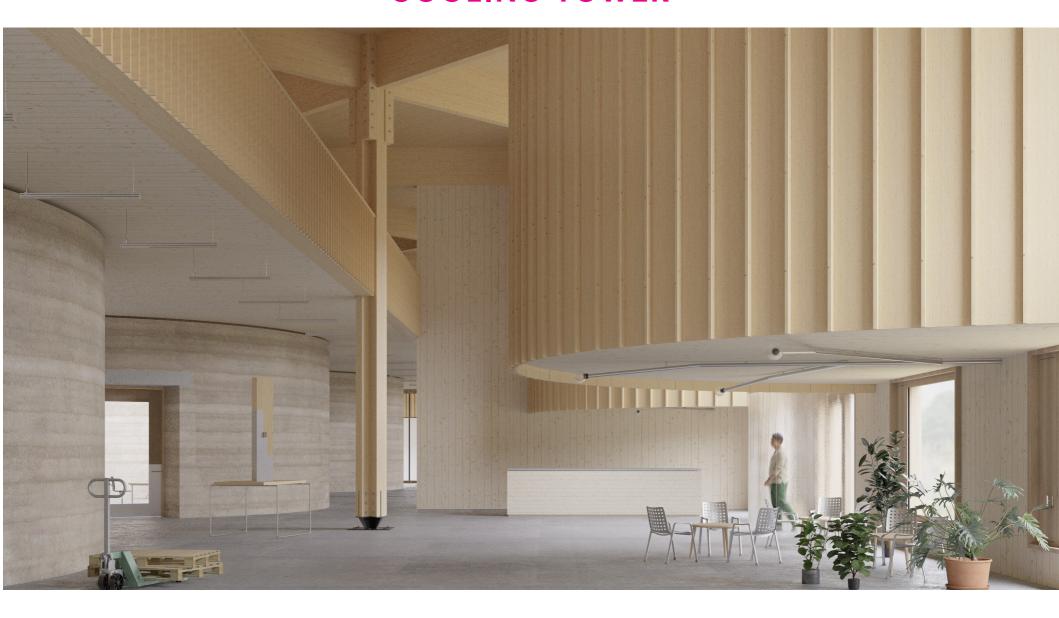
"COOLING TOWER"





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"COOLING TOWER"



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DEVELOPMENT

/ Materialization

/ Structure

/ Climate

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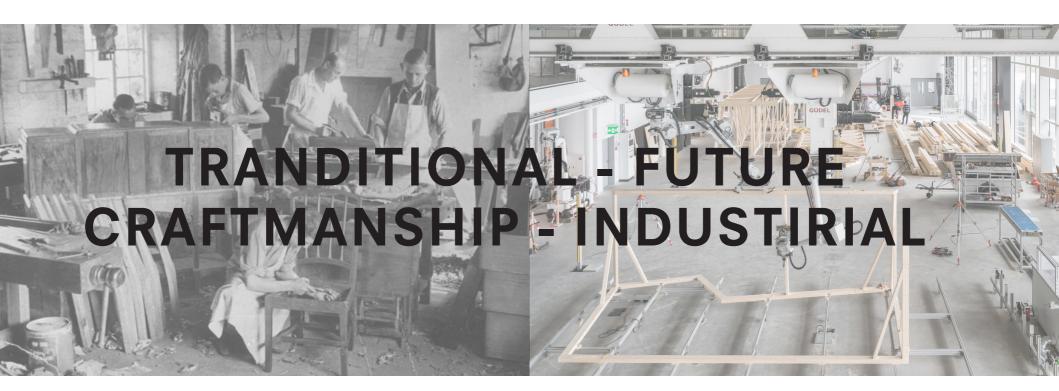
DEVELOPMENT

/ Materialization

/ Structure

/ Building system

VISION



TO RESONATE WITH THE VIADUCT



TO RESONATE WITH THE VIADUCT



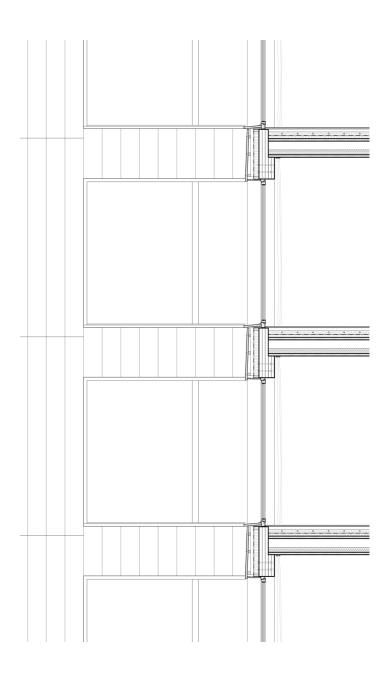
HARD OUTSIDE, SOFT INSIDE





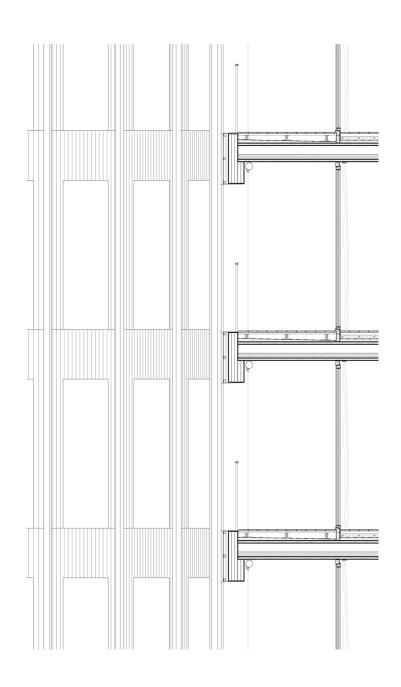
WOOD





METAL





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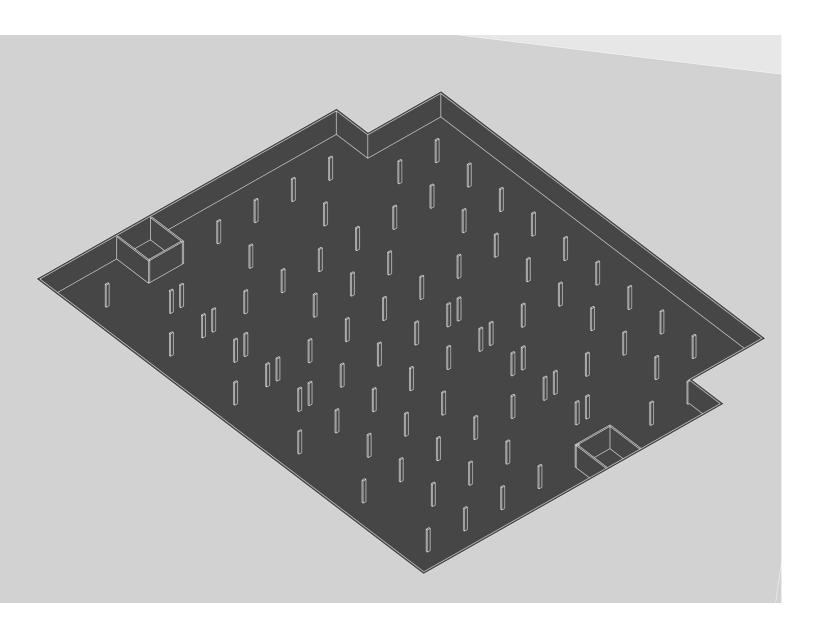
DEVELOPMENT

/ Materialization

/ Structure

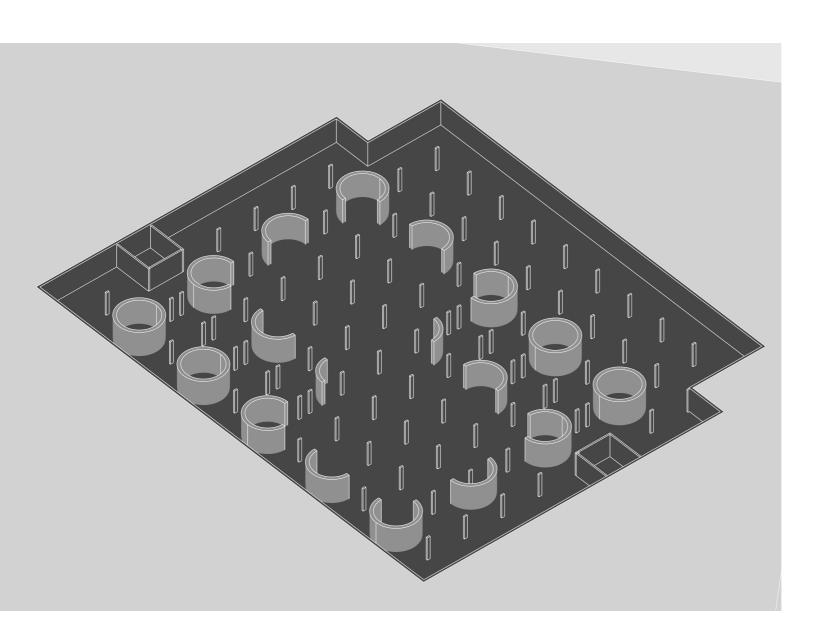
/ Building system

EXCAVATION

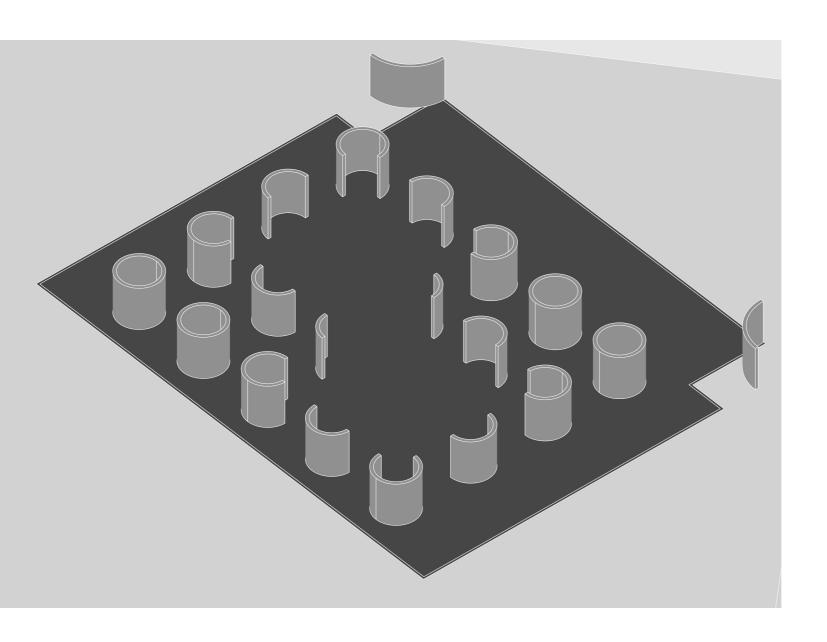




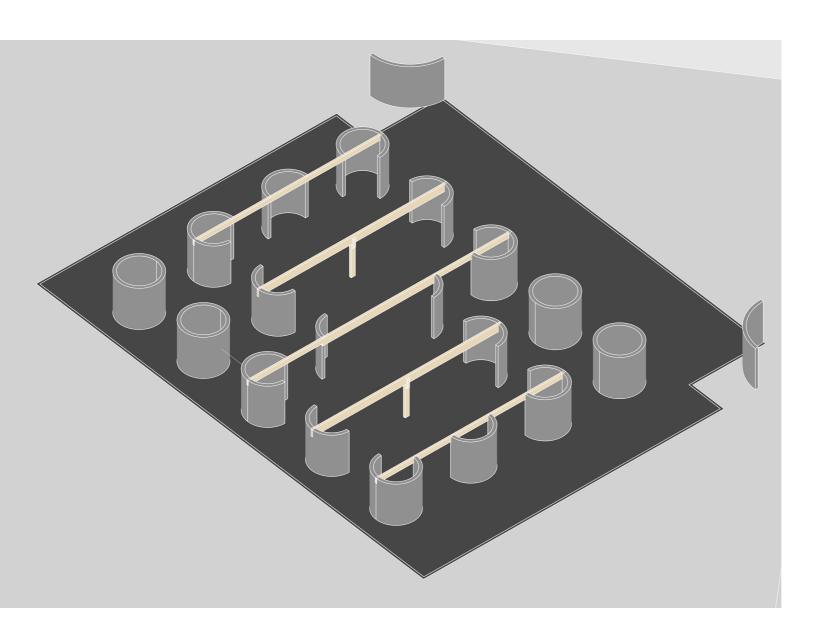
RAMMED EARTH



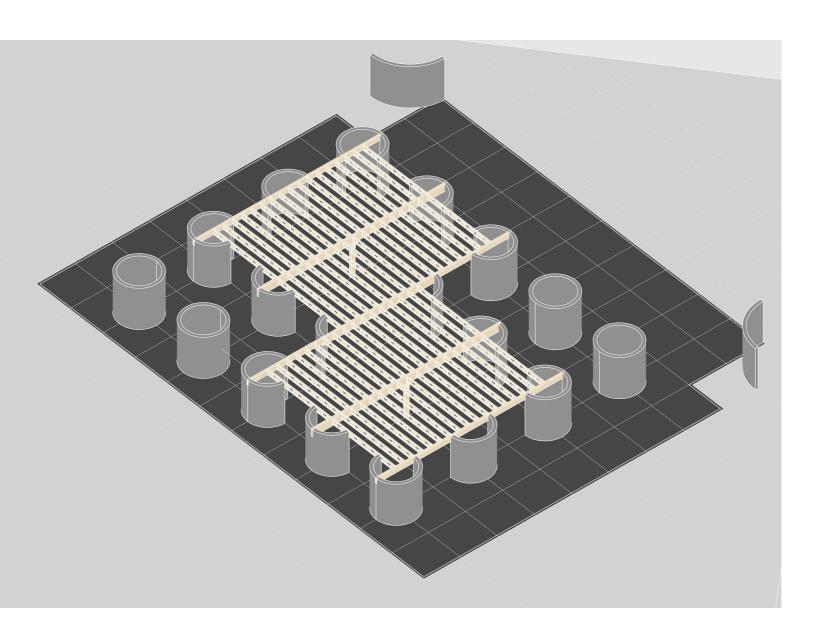
RAMMED EARTH



MAIN BEAMS

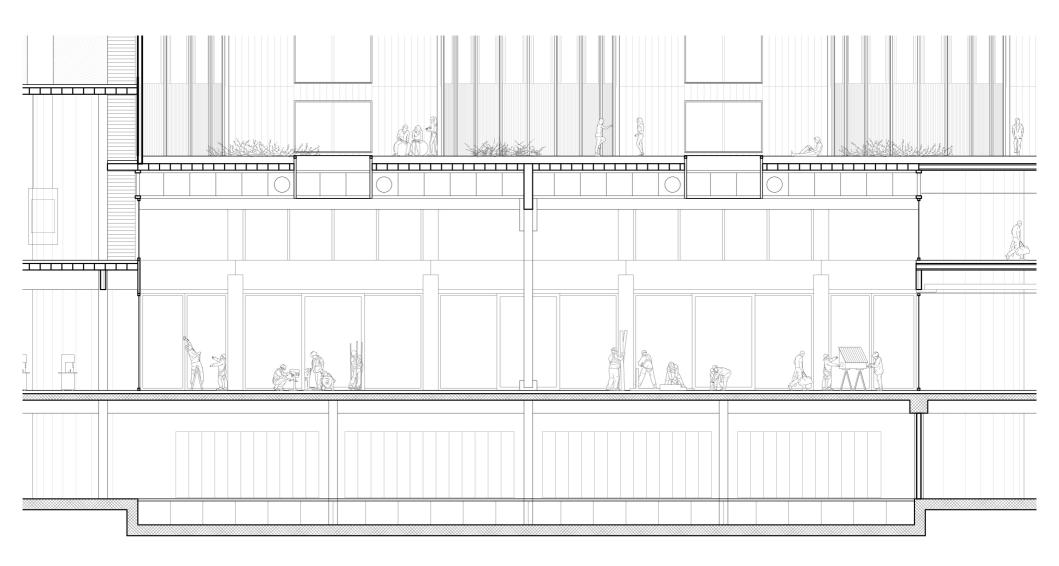


SECONDARY BEAMS



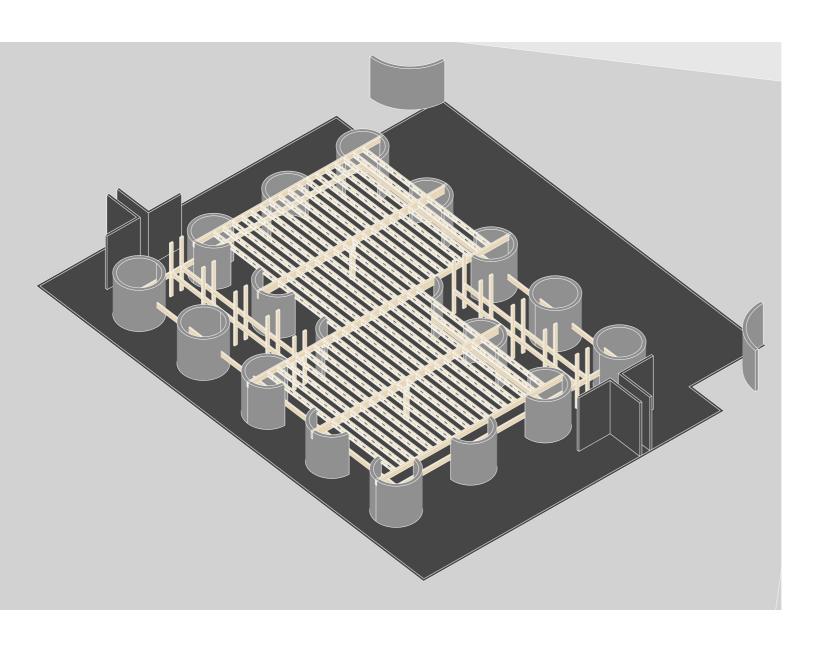
Bodies & Building Berlin Studio

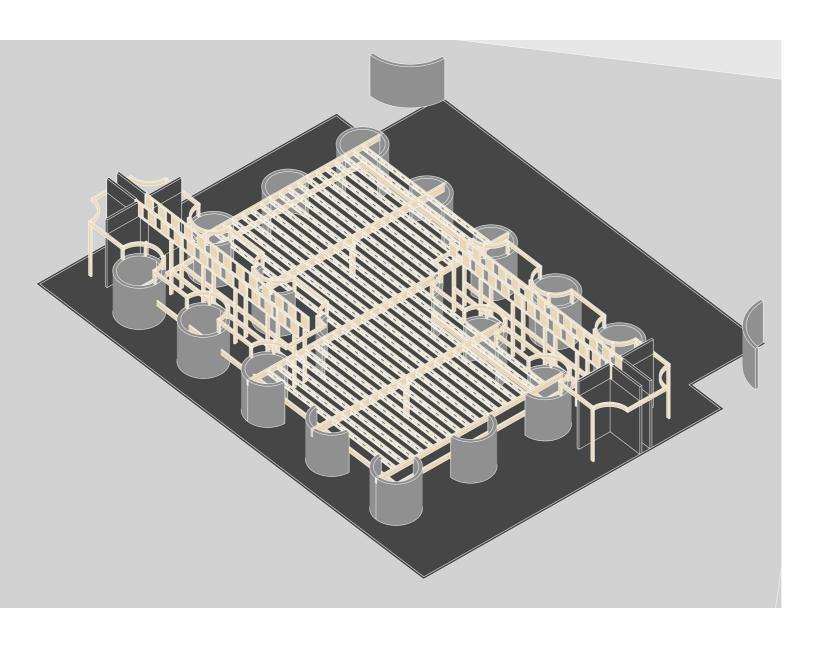
STRUCTURE OF WORKSHOP

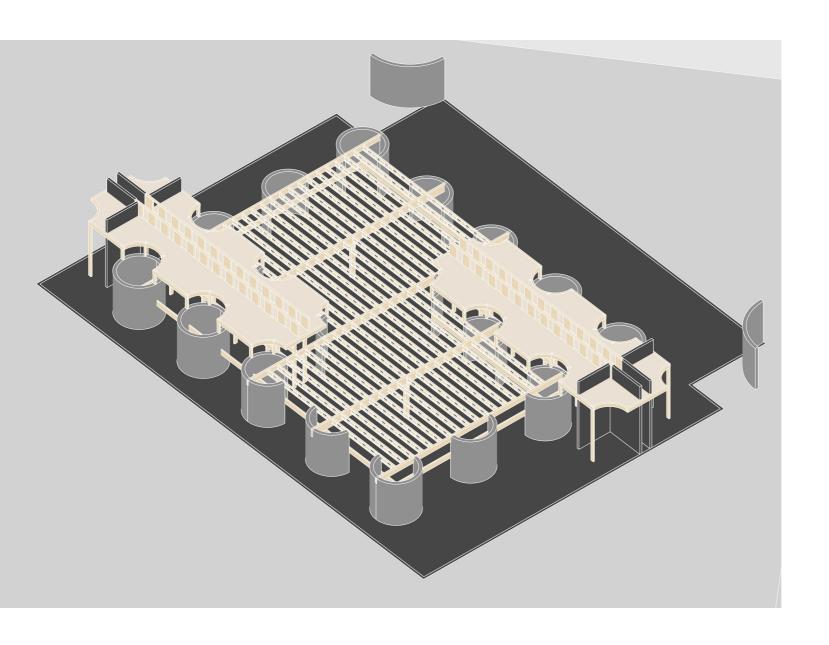


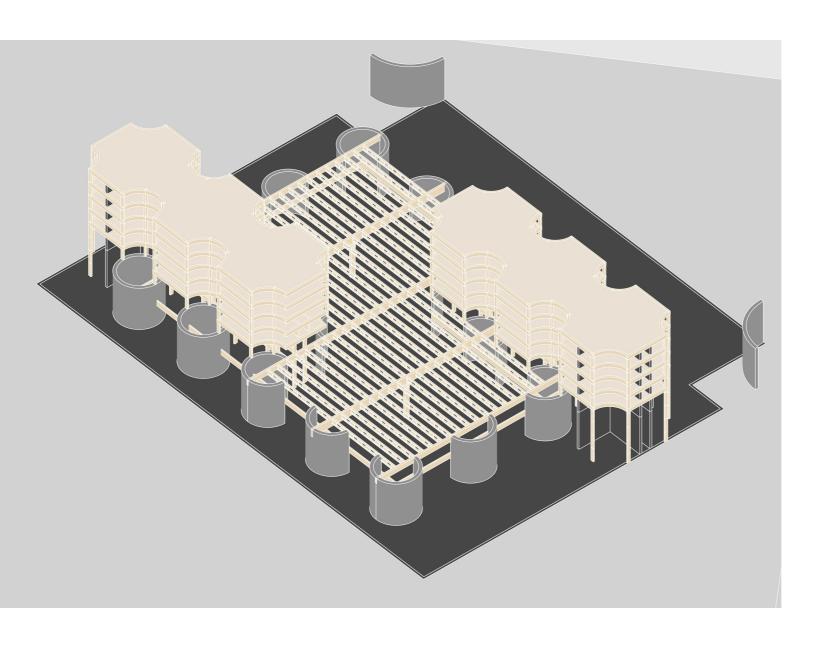
STRUCTURE OF WORKSHOP

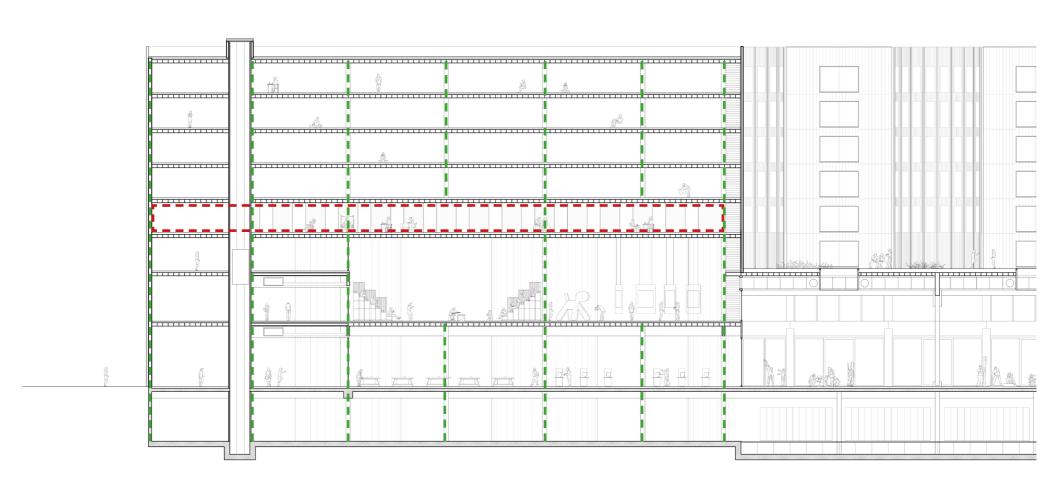












INTRODUCTION

RESEARCH

DESIGN BRIEF

CONCEPT

IMPLEMENTATION

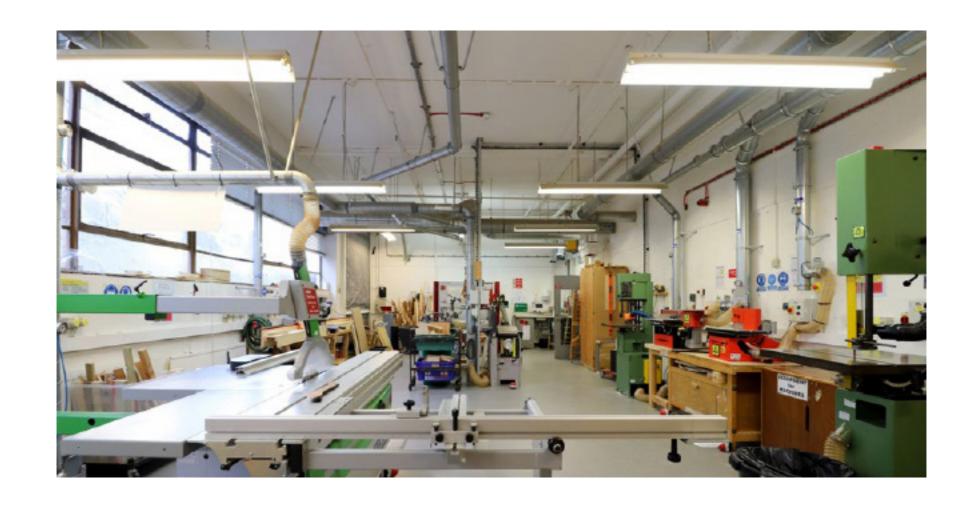
DEVELOPMENT

/ Materialization

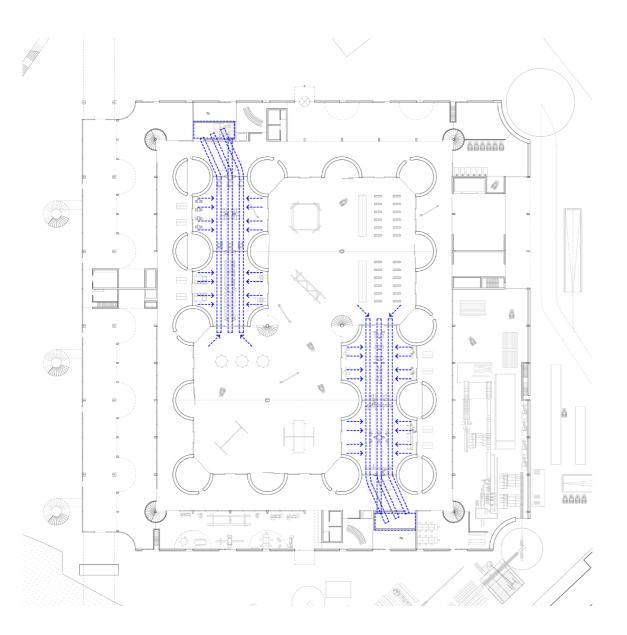
/ Structure

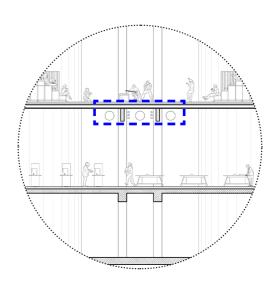
/ Building system

DUST SUCTION

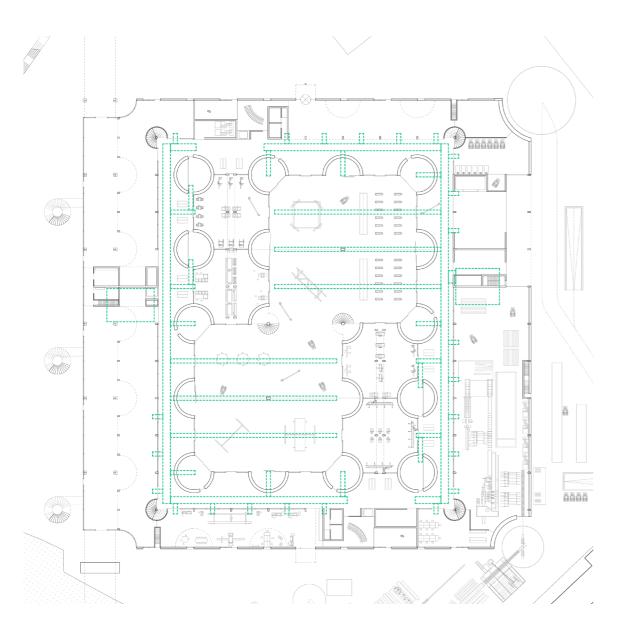


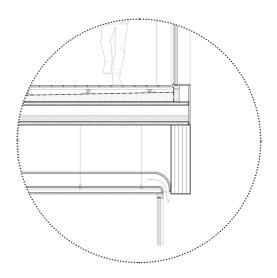
DUST SUCTION

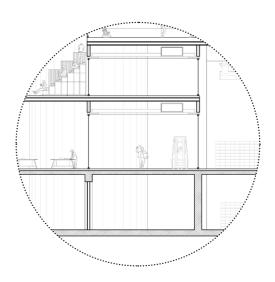




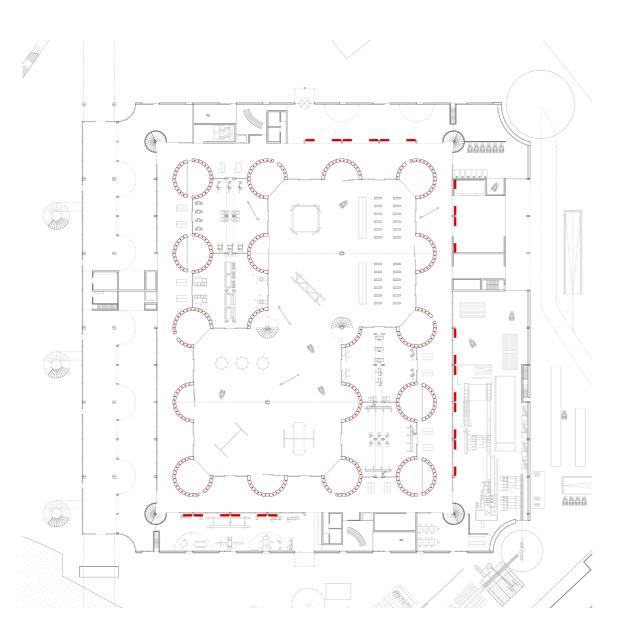
VENTILATION

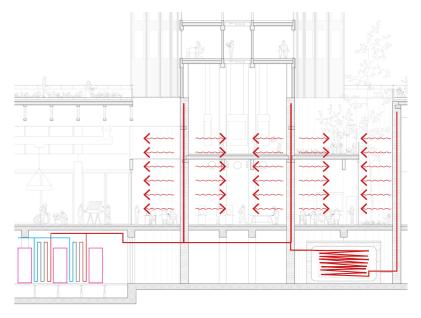




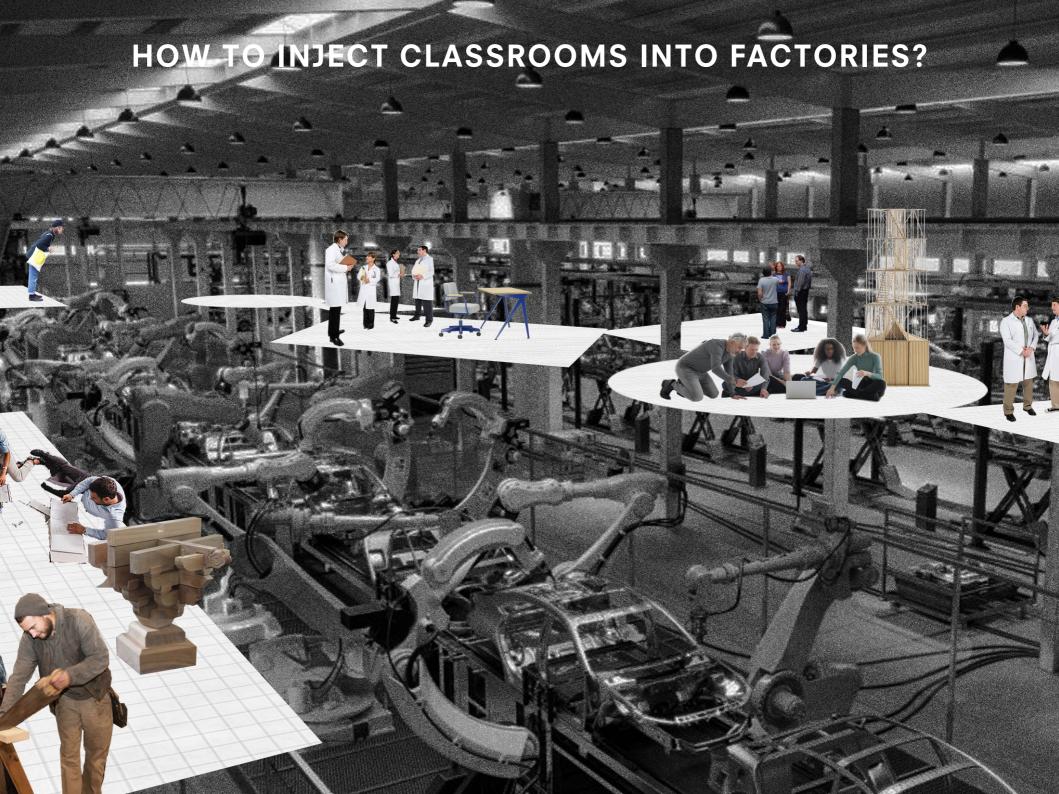


HEATING



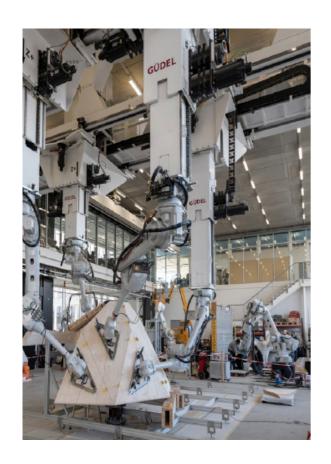


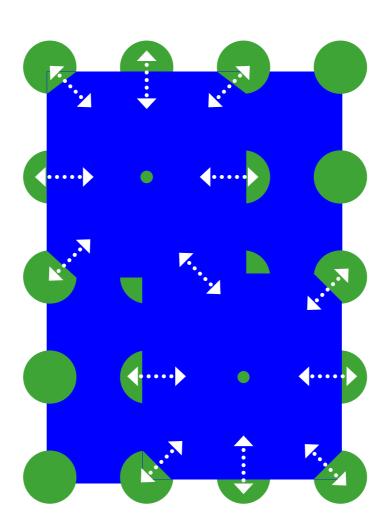




Conclusion

CONCEPT







Workshop inbetween classrooms

Conclusion



