CHALLENGE 1

VACANT HISTORICAL BUILDINGS

OPPORTUNITY: RE-USE HERITAGE

Bandung has a tradition of tropical modernism, where the architecture and climate come together as a unified assembly, which ensures low technical buildings with a high level of comfort. Nowadays these techniques are no longer appreciated. Therefore, I see an opportunity in reusing heritage and want to tackle the challenge of transforming an old building in stead of building something new.
CHALLENGE 1
VACANT HISTORICAL BUILDINGS
OPPORTUNITY: RECONNECT DISCIPLINES

Production in the textile industry is now more focused on quantity rather than quality, giving the fashion industry, which was unique, a generic character. The generic output is a result of the separation of the industry disciplines: design, fabrication and retail. For that reason I saw the opportunity to propose a building that would provide a fertile ground and a platform for those disciplines to come together, ultimately benefiting the chain of value creation, and thus also the city.
OPPORTUNITY: RE-VALUATE PASSIVE CLIMATE SYSTEMS

In the tradition of tropical modernism, where the architecture and climate come together as a unified assembly, low technical buildings with a high level of comfort are ensured. This is pretty much the contrary of contemporary building practice, see the picture on the opposite page. In order to test the potential of neglected passive climate systems, I was looking for a neglected historical building and wrote my thesis about the revaluation of passive climate systems.
GOAL OF THE RESEARCH PAPER

Within my research paper I did a study on low-tech climate strategies in colonial buildings in Bandung. The aim of the research was to demonstrate that instead of newly constructed, expensive and energy-inefficient buildings, it is possible to fuse cultural heritage and a high quality of comfort by using passive design strategies in historical architecture.

RESEARCH QUESTION

Which passive climate techniques found in shared heritage architecture have been forgotten?

How can these passive design strategies be technologically reused or climatologically adapted to meet contemporary norms for thermal comfort?
RESEARCH ON RE-VALUATING PASSIVE CLIMATE SYSTEMS
SUMMARIZING THE CHALLENGES

REVITALIZING BANDUNG

AMBITION OF THE DESIGN PROJECT

My graduation project focuses on the main goal of the Intecture Bandung graduation studio, which is to revitalize a district in Bandung through the adaptive reuse of shared heritage and passive climate systems. Furthermore, my personal ambition is to empower local culture of fashion craftsmanship and create a sustainable alternative for shopping in the city center of Bandung. Designing both a fashion incubator and a public market has facilitated this sustainable alternative.

DESIGN QUESTIONS

How to revitalize the urban context of the city center?

How to re-use heritage & their existing climate systems?

How to redefine the connection between design, production and consumption of the textile industry?
CHOSEN BUILDING

HOTEL SWARHA

FINDING SWARHA

During my search for an abandoned building in the center of Bandung, I was initially focused on abandoned shopping malls. Throughout the journey in Bandung the research and design questions came together, and as a result I started looking for historical buildings. Hotel Swarha proved to be a perfect example of abandoned heritage with a passive climate design and therefore became the center of my research paper and design project for my year of graduation.
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