

**SDC** 20  
24

**STREET DESIGN  
CHALLENGE**

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Creative  
Community  
Market

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28-30. SEPT. 2024



**WUHAN | TIAN SHENG STREET**

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Dossier | Street Design Challenge 2024

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# STREET DESIGN CHALLENGE 2024



**Street Design Challenge 2024** highlights the essential role of public markets in enhancing urban spaces and fostering community development.

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Challenge's theme

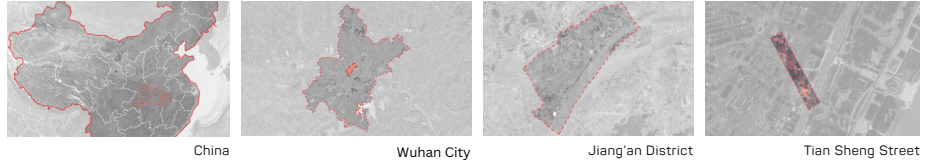
Creative Community Markets: **Revitalizing Streets through Local Innovation**

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The role of \_\_\_\_\_  
**MARKETS**  
in the 21st century

Vital urban hubs that **enhance local entrepreneurship, connect urban and rural economies, and promote social cohesion** through access to fresh food and vibrant public spaces. They play a crucial role in building **resilient and interconnected communities**.

# ABOUT THE PROJECT



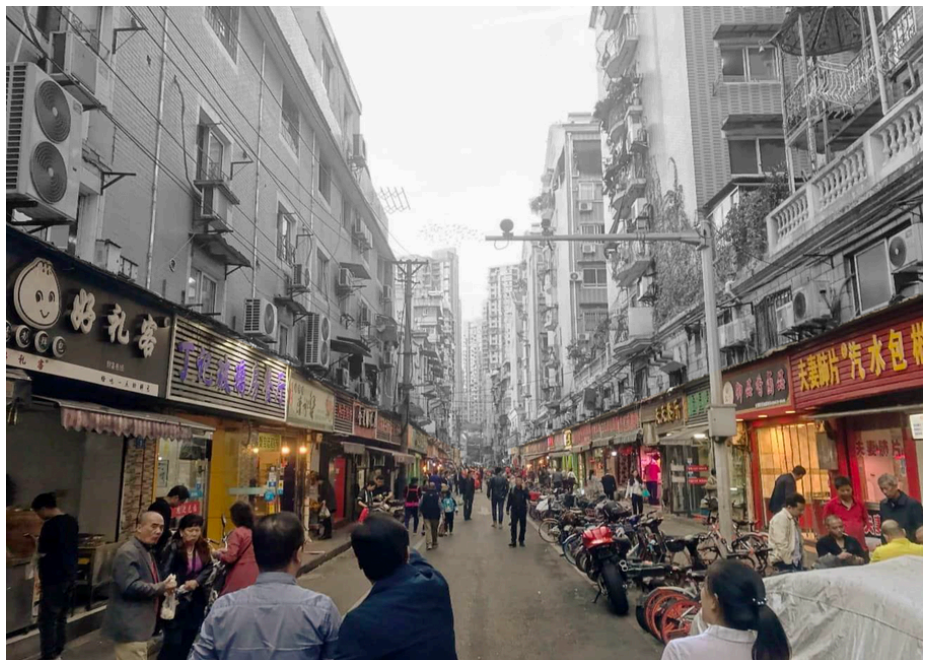
## LOCATION

The project will be located in Tiansheng Street is situated in the Jiang'an District of **Wuhan City, China**, in central Hankou along the Yangtze River. It is bordered by Sanyang Road, Jiangnan Avenue, Chezhan Street, and Zhongshan Avenue, extending from Youyi Street in the south to Gong'an Street in the north.

## SITE

### Tiang Sheng Market

Established in 1911, is one of the oldest in Wuhan, situated in the Jiangnan District, a central and commercial hub. This 220-meter-long open market features 225 stalls, offering a diverse array of fresh produce, seafood, meat, spices, and local goods, catering to both daily shoppers and small business owners.



Tiansheng Street, Wuhan  
Street Design International Challenge (2024)

# ABOUT THE PROJECT

## COMMUNITY ISSUES

The market faces several challenges that hinder its efficiency and impact on the community. **Decentralized operations** result in **disorganized activities**, while environmental nuisances such as **noise, waste, and odors** from market operations detract from the overall experience. Additionally, vendors occupying **sidewalks obstruct** pedestrian movement and accessibility, contributing to **frequent traffic jams** that disrupt the flow of both vehicles and pedestrians. **Dead-end roads** further limit accessibility and connectivity, creating **traffic bottlenecks**, while **discontinuous public spaces** diminish the quality of the urban environment.

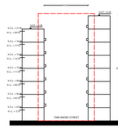
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## TACTIC DEVELOPMENT

The proposed improvements for the market encompass several key elements, including the **market roofing** initiative, which will create a cover that supports year-round activities, allows natural light to filter through, and provides a versatile public space suitable for all weather conditions. To enhance mobility, we will focus on **redesigning the road** section to prioritize pedestrian access, facilitate traffic flow, and improve **accessibility**, while also adding green spaces and bike lanes. Incorporating **greenery and trees** is essential for dissipating heat from facade installations, enhancing spatial quality, and providing visual focal points that enrich the overall market environment. To address visual pollution, air conditioning units, heaters, and service cables will be integrated into ducts, improving the aesthetics of **building facades**. Finally, the installation of **public infrastructure** and amenities, such as **urban furniture**, adequate **lighting**, and strategically placed **trash bins**, will significantly enhance the user experience while promoting safety and cleanliness throughout the market.

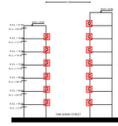
# ABOUT THE PROJECT

## STRATEGIES



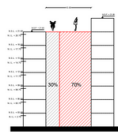
### Delimit

Define the intervention area



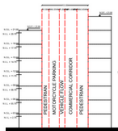
### Free up

Reorganize electrical installations out of the facades



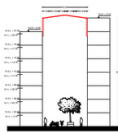
### Redistribution

The spatial relationship between pedestrians and vehicles circulations



### Program

Organize and designate the use of land for various activities, users and needs

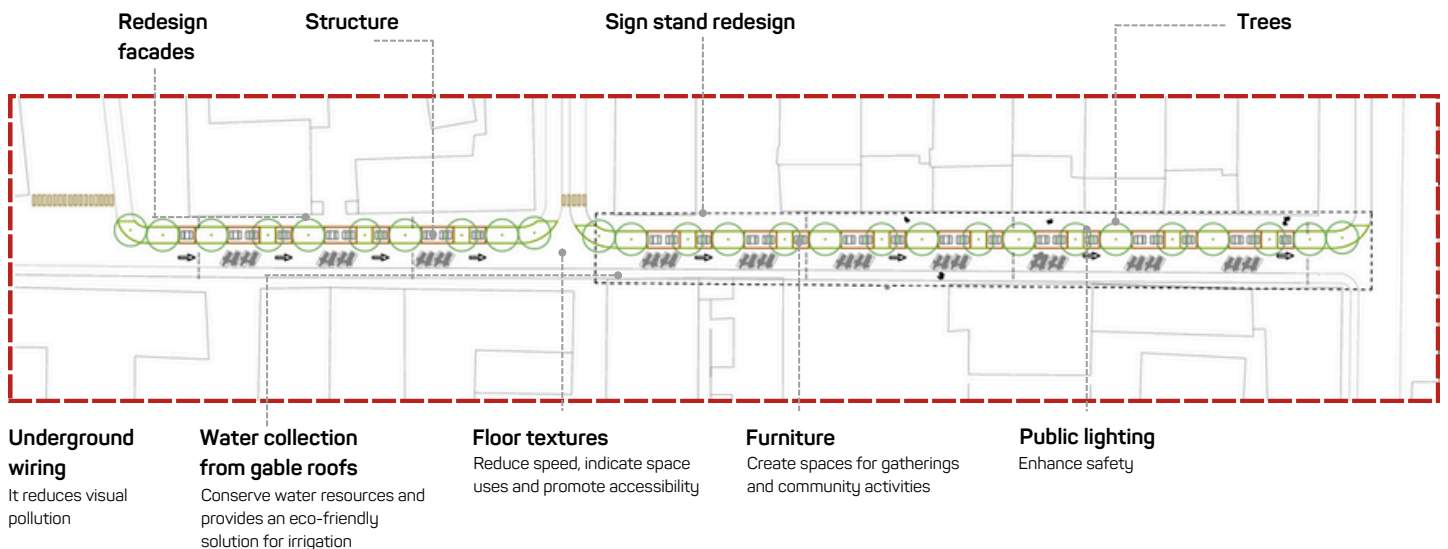


### Cover

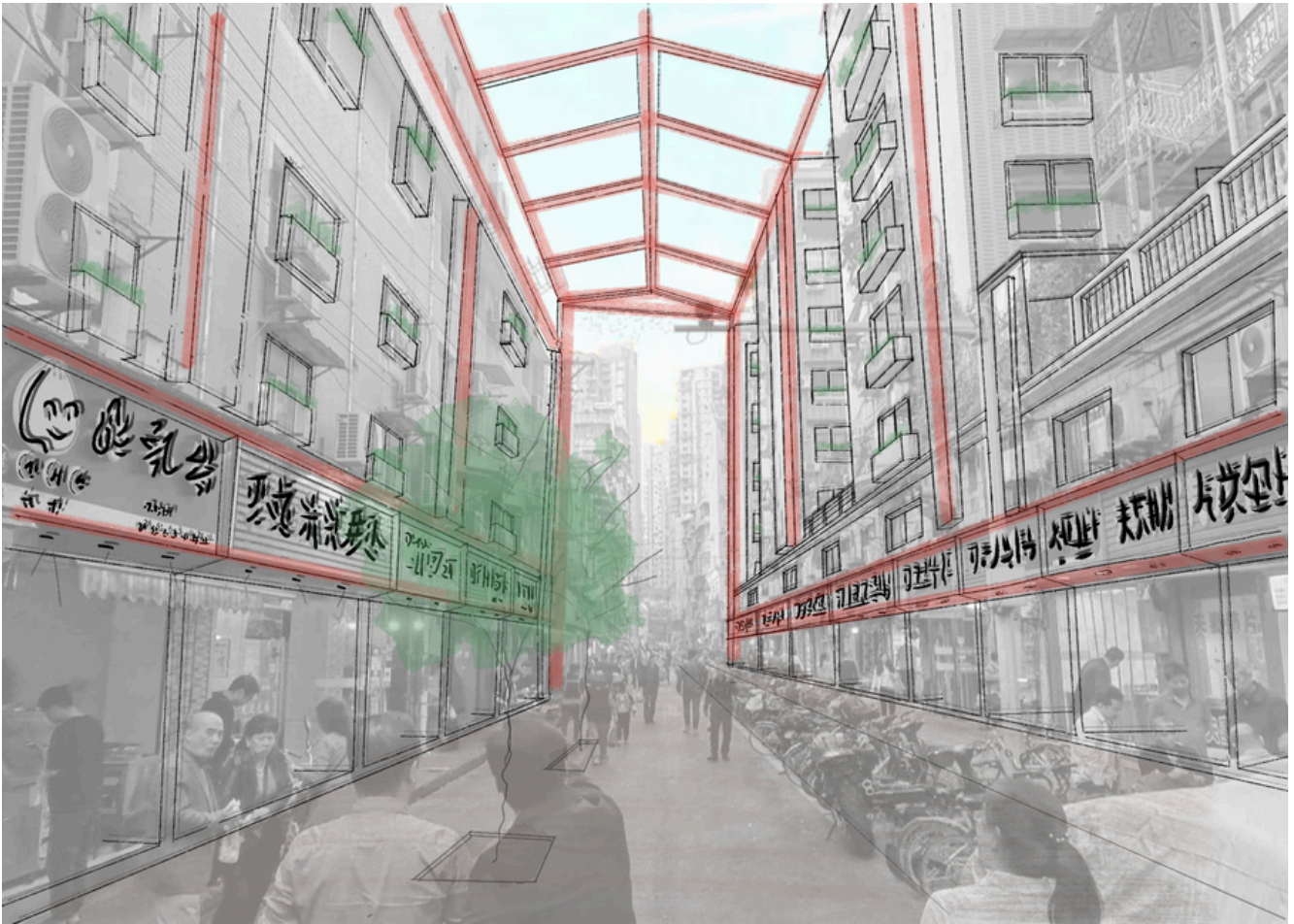
Structure of steel and glass creates an inner open space that allows air circulation protects against harsh weather conditions

## SOLUTION

**Redesign facades / Floor textures / Furniture / Public lighting / Structure / Sign stand redesign / Underground wiring / Trees / Water collection from gable roofs**



## FINAL SOLUTION



Own elaboration. Market in Tian sheng, China

## REFERENCES

UNESCO. (2017). Summary of information and problem discovery of Tiansheng Street. Street Design Challenge 2024.