

04

Designing Catalyst for Urban Renewal in Shuidong Historic District

Shuidong historic district, Changting, is faced with economic recession, backward function and destruction of its historical style.

How to reactivate the vitality of this area in the context of complex property rights, high value of historic buildings and local old people adhering to the concept of clan?

Urban catalyst is the most appropriate answer, avoiding the damage of large-scale demolition and construction to the historical context.

Through space syntax analysis of outdoor space structure, architectural function and their historical value, different catalysts are selected. They are divided into six categories to protect and renew this historical area from three aspects: function, style and public activities.

urban catalyst, urban renewal, historic district, space syntax

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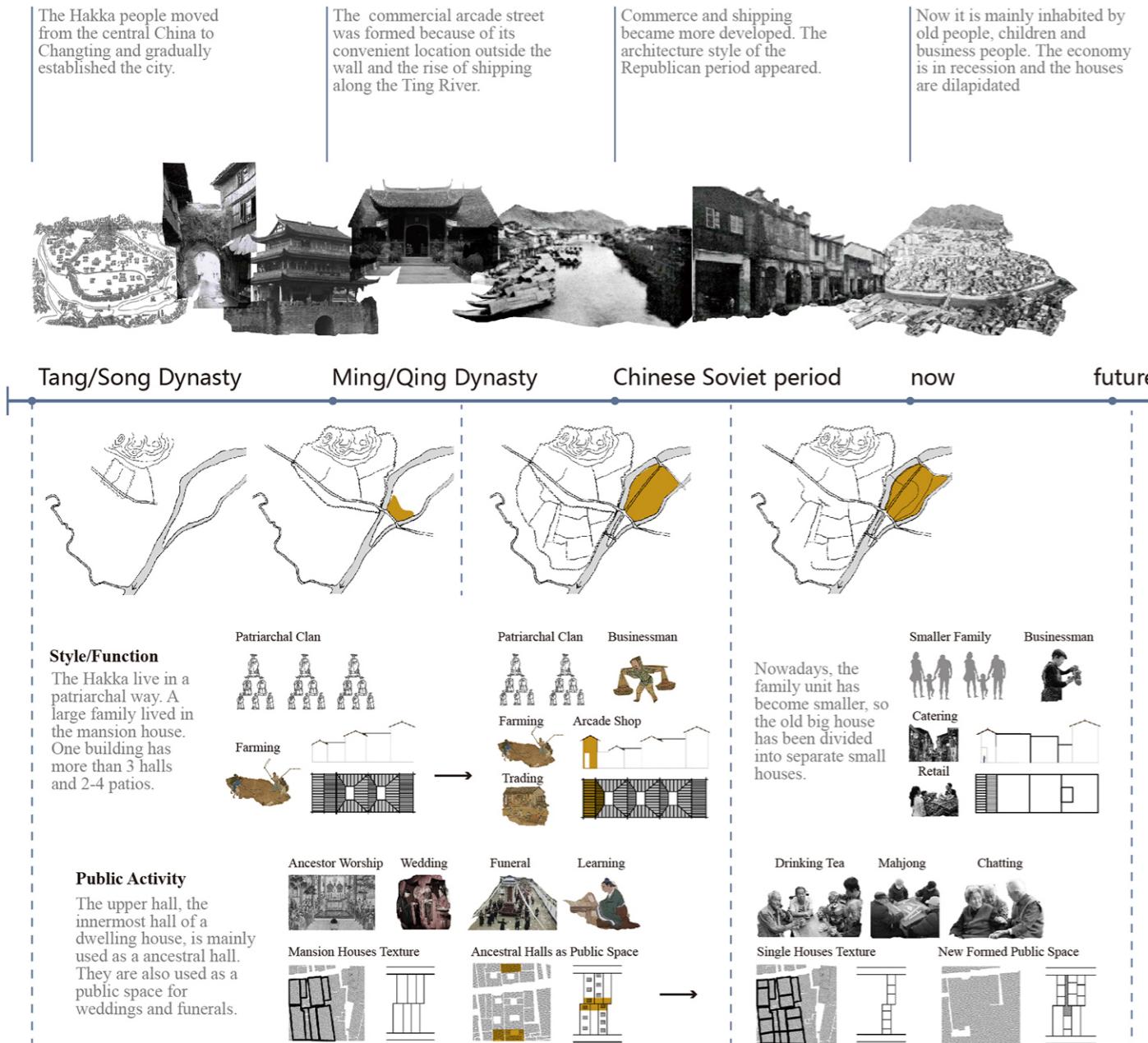


ABOUT SHUIDONG HISTORIC DISTRICT

The Shuidong Historic District is located in Changting city, Fujian Province, China. It is one of the five historic districts in Changting. After a period of economic glory, now it is faced with economic recession, backward function and destruction of its historical style.

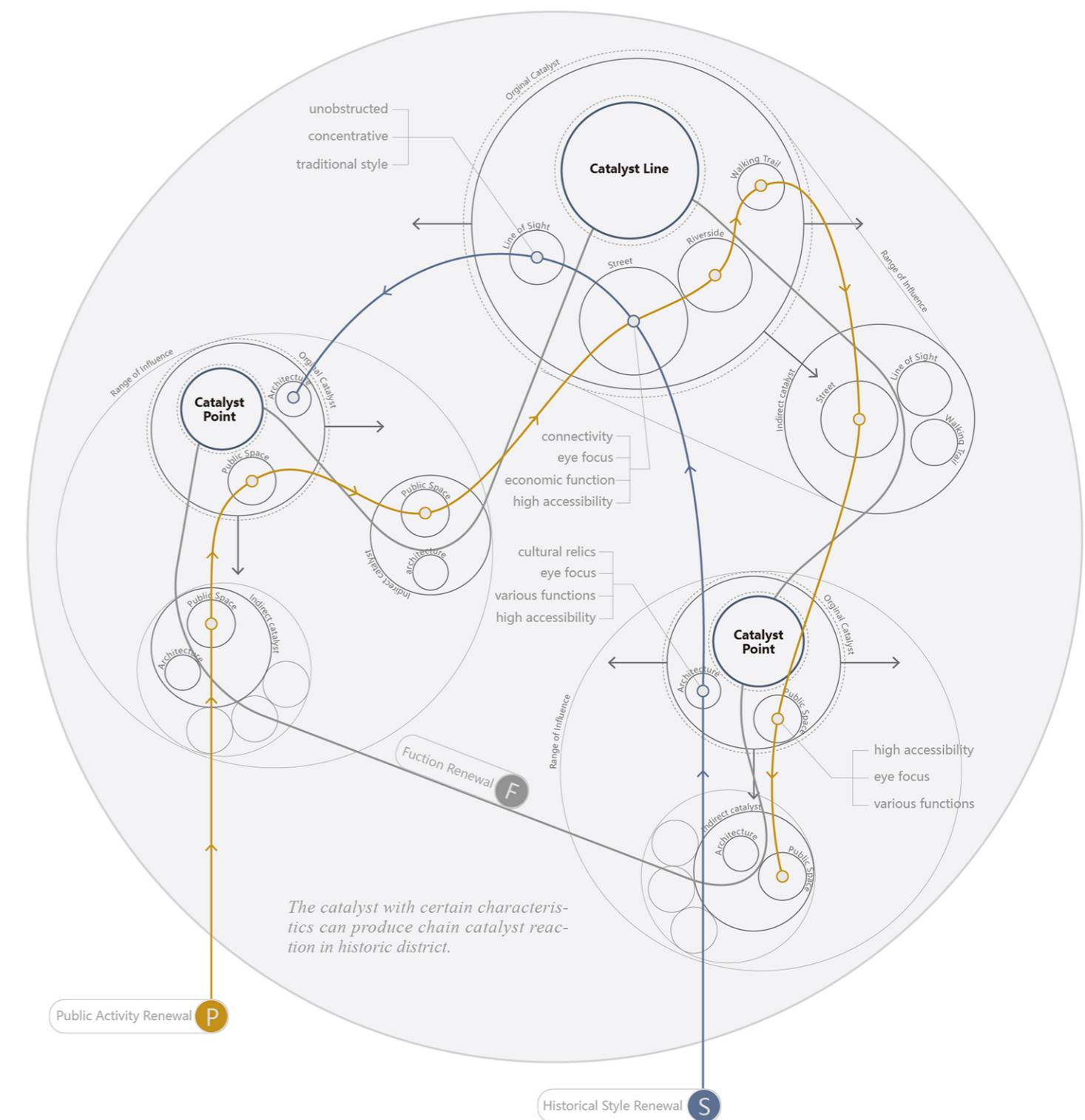


HISTORICAL DEVELOPMENT



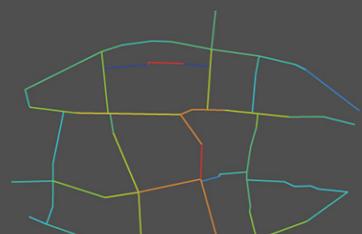
URBAN CATALYST IN HISTORIC DISTRICT

Since modern times, Shuidong historic district has been faced with multiple problems such as backward function and damaged historic buildings. The urban catalyst can gradually activate the whole block by inserting new elements without destroying the old ones, renewing the district from three aspects: fuction, public activities and historical style, which is a very suitable mean for the renewal of the Shuidong historic district.

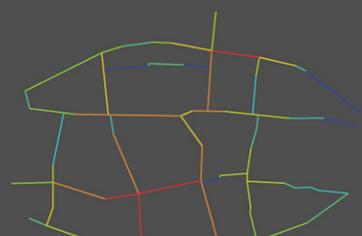


INPUT LAYERS FOR CATALYSTS SELECTION

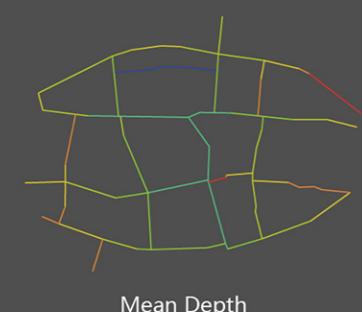
Axial Analysis



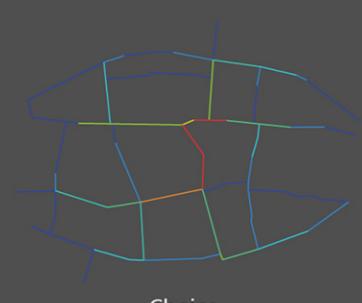
Intergration



Intergration R=3

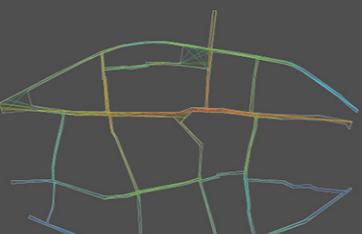


Mean Depth

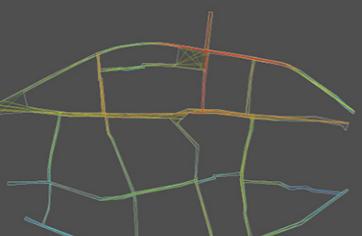


Choice

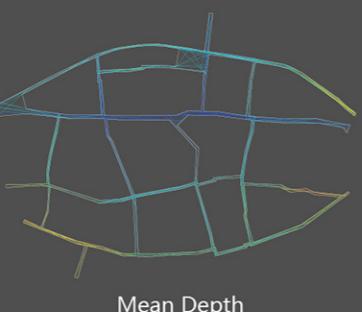
All Line Analysis



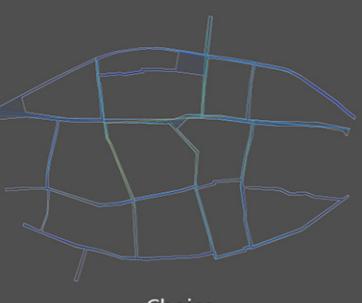
Intergration



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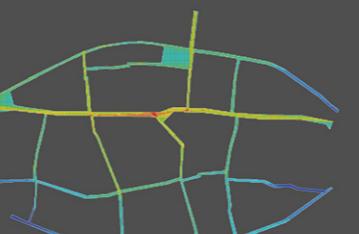


Mean Depth

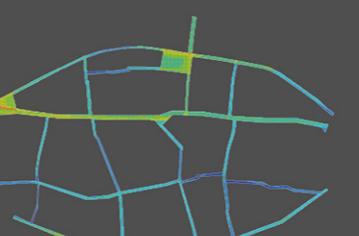


Choice

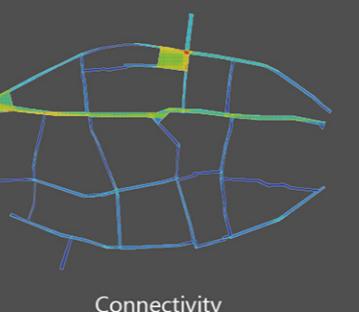
Visibility Analysis



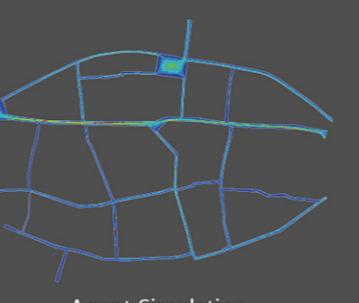
Intergration



Intergration R=3



Connectivity



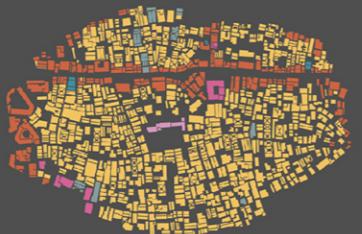
Agent Simulation

Relic Value



Low — High

Function

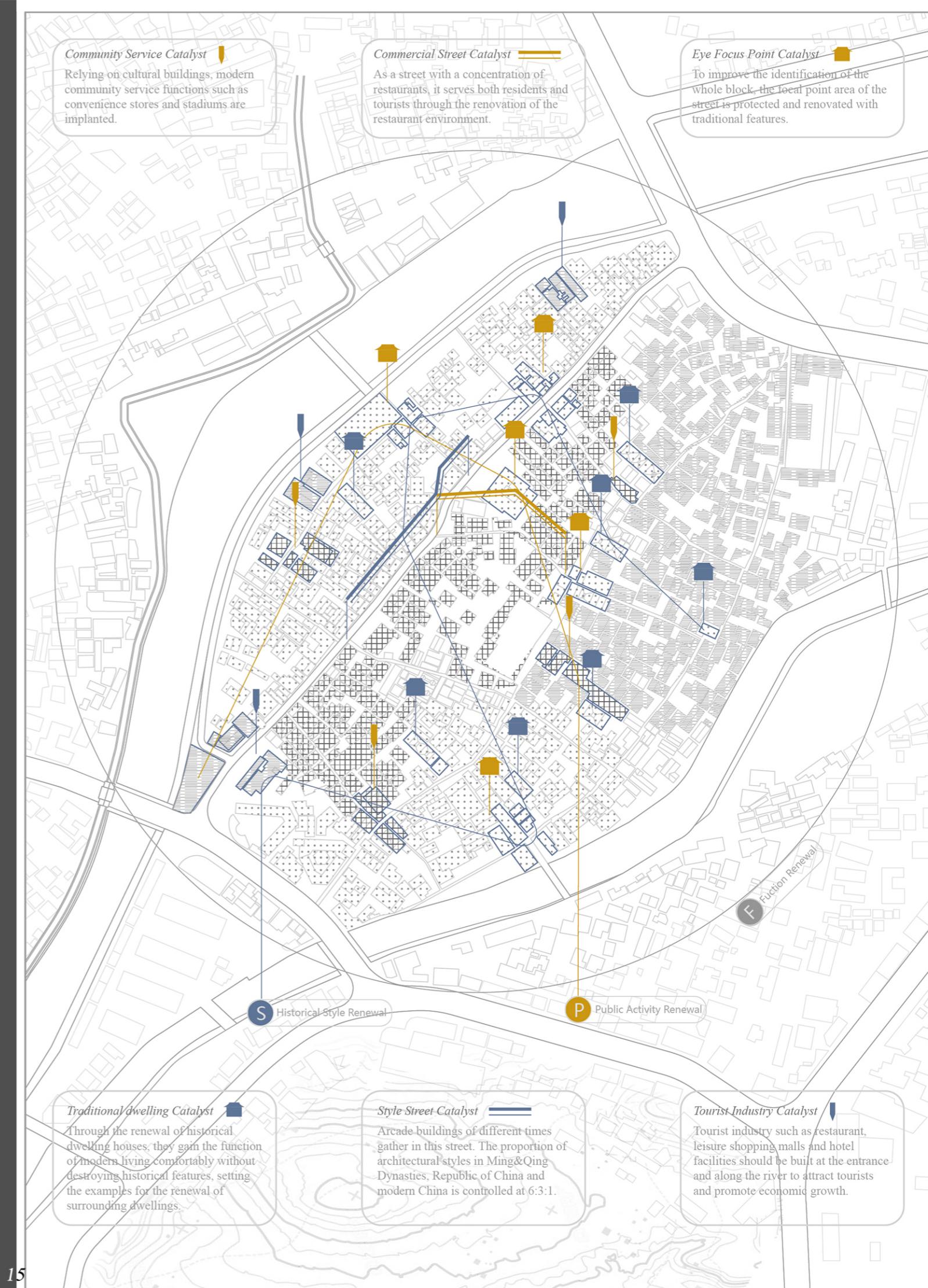


Residence
Commerce
Public Service
Culture

Height



Low — High



Community Service Catalyst

Around the original jongmyo building, set up convenience stores, sports venues and other community activities facilities.



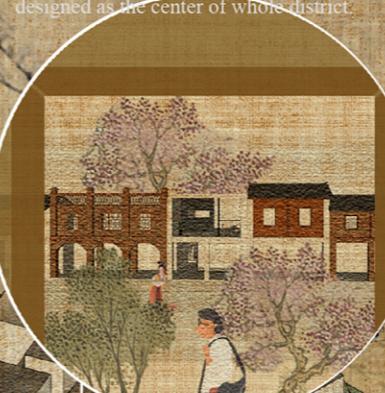
Commercial Street Catalyst

The original restaurant are designed to improve their environment, their historical style are protected and repaired.



Style Street Catalyst

Different times style arcade are designed and protected in this commercial street, it is designed as the center of whole district.



Traditional Dwelling Catalyst

The transformed dwelling houses gives consideration to the lifestyle of the elderly, while the function of modern life can attract the young to return.



Eye Focus Catalyst

At the focus point of view of the bridge design the activity square and surrounding historical features.



水东街鸟瞰圖

AIRSCAPE

Tourist Industry Catalyst

At the entrance square of the district, a new archway and shopping mall will be built as an iconic area to attract visitors.

