1. Industry transition
Heavy Industry moving into hinterland and the upgrade of the coastal districts leads to the social problems of floating people.

2. Infrastructure fever
Infrastructure fever started in 1980s gave Chinese local governments a strategy of continued economy growth and urban expansion.

Businesses
- Heavy Industry
- Manufacturing

Players Conflicts
- Investment
- Social Housing

Design Strategy
- Improve metro transfer
- Better housing
- Optimize bus stops
- Improve the environment in between
- Setting local business in between
- Specific plan for metro exits
- Improve the cycling environment
- Combine the exits with social housing
- Improve low speed network
- Combine the exits with local business
- Improve walking environment
- Combine the exits with open spaces
- Reduce car speed inside urban villages
- Encourage Bicycle use
- Reduce parking in urban villages
- Offering bicycles to migrations
- Draw attention from migrations
- Metro stations offering professional education
- Improve the VI system around urban villages
- Metro stops offering community service
- Improve the environment in between
- Metro business offering jobs to people
- Improve the sanitary facilities in urban villages
- Metro stops offering public transportation
- Improve the cycling environment
- Metro stops offering community service
- Metro stops offering public transportation
- Metro stops offering jobs to people

Shenzhen on Track A
Travel to Justice
Research on social-spatial effect of transit-oriented development in China

Research Background
High end service invasion

Problem and question
Problem statement:
Lack of coherence between the urban structure featured by new urban plan and current condition of floating population in Shenzhen, which in turn leads to unbalanced opportunity to jobs, social relation and public service.

Research question:
How to improve the transit oriented development strategies in China to make them benefit floating group and contribute to a social-economic sustainable urban development?

Design principle
- Keep a high efficiency metro network
- Keep an active and lively community
- Keep floating people on site

Source
- Theory Research
- Transit Oriented Development
- Travel poverty
- Players Conflicts
- Reference study

Process 1 2 3

- White
- Yellow
- Red
- Blue

Social
- Black
- Blue

Physical
- White
- Yellow
- Red
- Blue

Economy
- White
- Yellow
- Red
- Blue

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TRAVEL TO JUSTICE

RESEARCH ON SOCIAL-SPATIAL EFFECT OF TRANSIT ORIENTED DEVELOPMENT IN CHINA

CHOOSING THE SITE

1. Sungang locates on of the eldest industry are inside SEZ that attracts regeneration pressure.

2. Sungang locates in one of the phasing 2 area which is ideal for design intervention in this research.

3. Sungang locates near one of the busiest secondary border checkpoint where many commuters passing through.

ON SITE ANALYSIS

PROBLEM
Local problems are chaotic land ownership, poor living quality, fire hazard and poor accessibility.

POSSIBILITY
Analysis also focus on the possibility in Sungang like lively local market corresponding to the formal business nearby. The various forms of building in this area are also potential for mixed use.

DESIGN SUNGANG

Map of atmosphere shows the various topics proposed in this proposal.

Based on the on site analysis, we selected out the proper design strategy for Sungang, the solutions range from physical improvement, to encourage social cohesion and increase the public transport ridership.

With the local and regional design, we are trying to prevent the floating population being pushed out and help to creat a social-economical sustainable TOD community.

TRAFFIC MODER

The different group people with different travel purpose could have different travel mode. This analysis would affect the local and regional distribution of services.

Hi-tech Industry

Sungang locates on one of the eldest

Warehouse district

Fuyong

Guanglu

Shanmeng

Xixiang

Nanshan

Accessibilty analysis shows that there many walking barriers inside urban villages.

Commercial analysis shows the potential of cooperation between formal and informal business.

Physical Improvement

Comparison of time consuming in travel betw. research proposal and municipal plan