



桃園市政府
Taoyuan City Government



The Last Mile Delivery in the Historical Area- Daxi Business District

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Out lines

1

Background

2

Daxi demo site

3

Outlooks for the
future



Taoyuan-Chair the world's first EcoLogistics Community



Milestones

- October 27, 2019

Signed a contract with ICLEI to be the first Chair of the EcoLogistics Community

***The chair term is 2020-2021.**

- January, 2020

Set-up of the Chair Office of EcoLogistics Community in Taoyuan

- March 26, 2020

The Opening Ceremony of the EcoLogistics Community Chair Office

Missions of the Taoyuan EcoLogistics Chair Office

Implementation of EcoLogistics in Taoyuan

- Local stakeholder engagement
- Implementation of five demo sites

EcoLogistics indicators for Cities

- EcoLogistics indicator system development for cities
- Consultancy and advisory committee for indicators

International Participation

- 8 Principles for Sustainable Urban Freight
- Taoyuan case studies and sharing with ICLEI City Members



5 EcoLogistics Demo Sites in Taoyuan



Shalun Green Warehousing Park

On-going |

- Ecological landscape
- Smart transportation
- Smart green building



Airport Storage and Logistics Area

Developed |

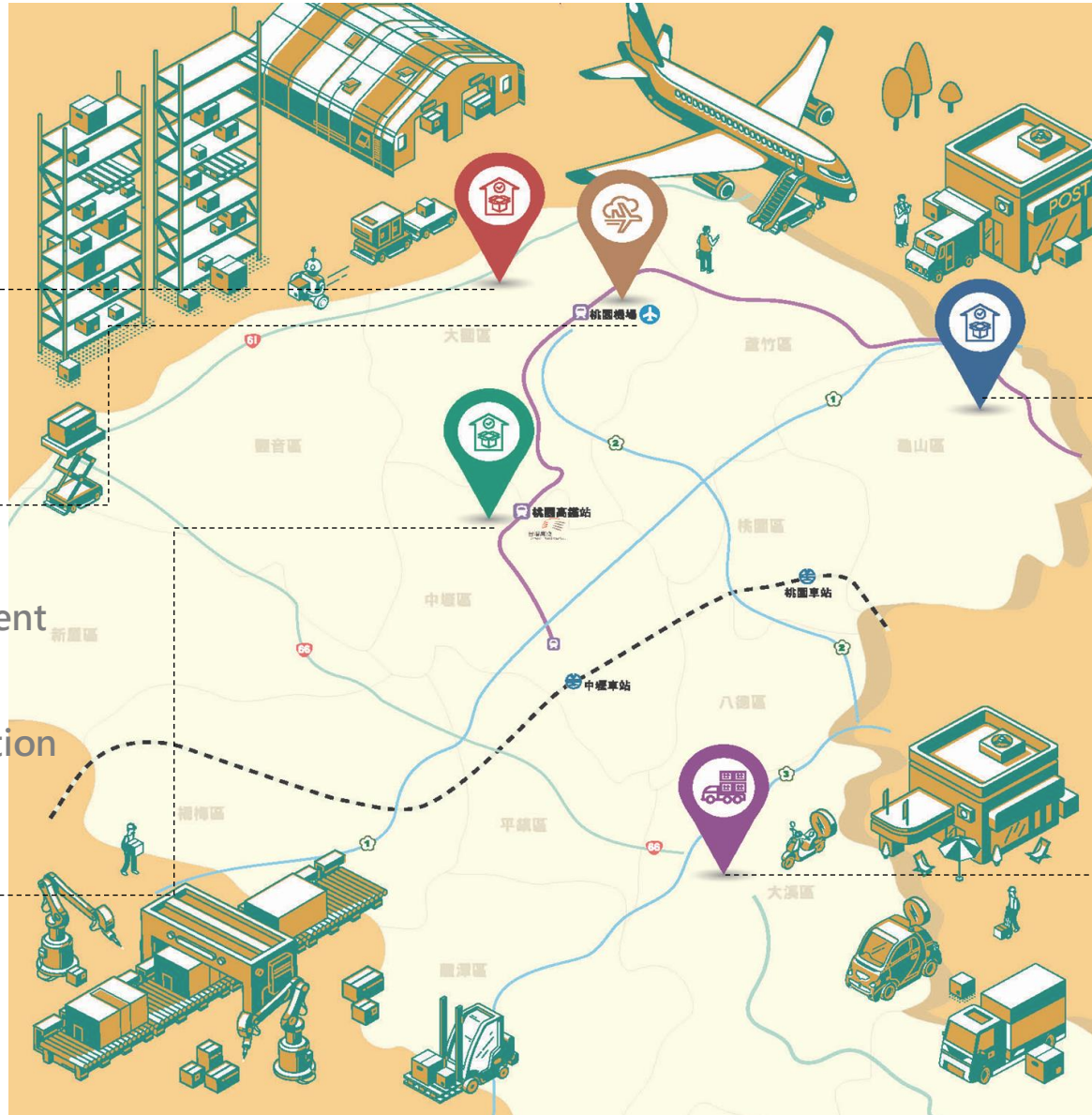
- Land planning and management
- Air quality protection
- Low carbon vehicles introduction



Qingpu Green Energy Logistics Cluster

Developed |

- Automated warehouse
- Green building designs
- Green energy development



Chungghwa Post Logistics and Huaya S&T Park

On-going |

- Smart logistics
- Low-carbon transport platform and vehicles
- Diesel power check station and self-management of fleet

Daxi Business District

Developed |

- Low-carbon vehicles Promotion
- Green and quiet consolidation station
- Traffic management
- Smart delivery

Background— Daxi Old Street



Daxi Features:

- Historical buildings, cultural preservation area
- Gourmet sightseeing, Daxi Wood Art Eco Museum

Current Status:

- The spotlighted area in Taoyuan
- One of the most popular tourist attractions in Taiwan

Challenges:

- The narrow old streets can't bear the increasing demand for traffic, people, and logistics

Daxi Plans— Stakeholder engagement

More than 30 stakeholder engagement meetings

Needs of the shop owners:

- Certain areas for loading and unloading use
- Reduce the impact of trucks on local traffic

Pain points of logistics operators:

- Narrow streets and lanes hinder the deliveries
- Huge crowded in holidays make deliveries even more painful

The Local welcome clean and quiet transportation:

- 100% logistics operators support the consolidation plan
- 94% of shop owners support clean transportation
- 92% of shop owners are willing to join consolidation plan



Daxi Plans— EcoLogistics Strategy



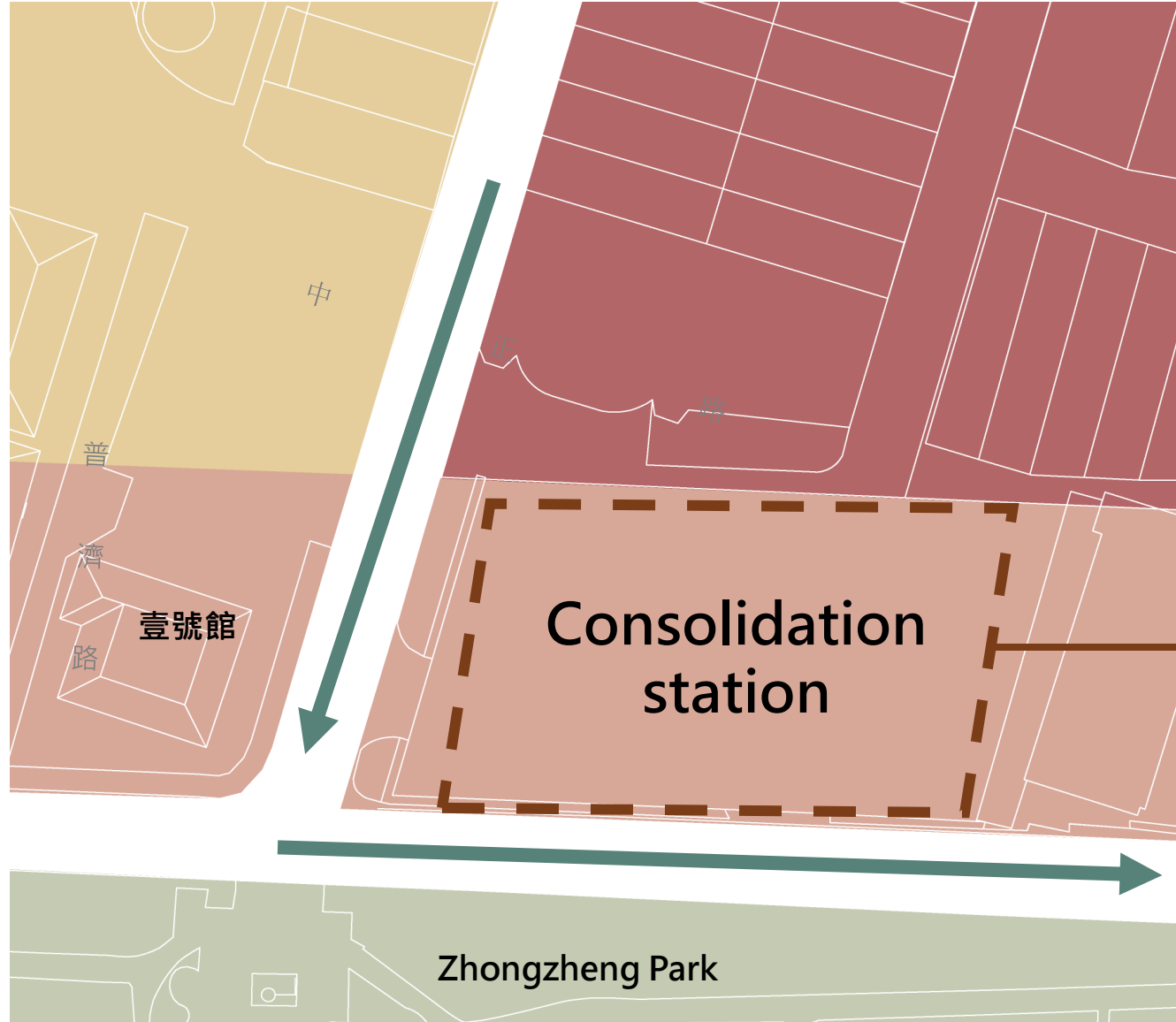
Low-carbon and quiet consolidation station

1. Low-carbon transportation
2. Solar energy generation
3. The introduction of hybrid trucks

Quiet zone design

1. Traffic control
2. Traffic signs setting
3. Speed limits

Daxi Plans— Clean and Quiet Consolidation Station



Remodel the parking area into the low carbon consolidation station:

- Goods to the consolidation station by trucks
- Unloading at the station
- Last mile delivery by low-carbon and small vehicles
- Traffic control
 1. One way access control
 2. Holiday pass for qualified vehicles



Daxi Plans—

Clean and Quiet Consolidation Station

Funded by the city government, and operated by the local organization

Equipment for the consolidation station:

- Low-carbon vehicles:
 1. Electric motorcycles
 2. Electric tricycles
 3. Follow-me vehicles
 4. Charging piles
- infrastructure
 1. storage space
 2. Parking slots for trucks
 3. Solar carport



Follow me vehicle



Electric motorcycle



Solar panels



Electric tricycle

Daxi Plans—Quiet Zones

Quiet Zone design :

- Speed limit in quiet zones
- Improve pedestrian and vehicle routes
- Improve the traffic safety for primary school students in Daxi



Outlooks for the Future



- Reduce carbon emissions
- Improve road congestion
- Improve road safety and quietness in the old streets

Thank you.

Taoyuan, Chair of EcoLogistics Community - Official Website

<https://ecologistics.tydep.gov.tw/en/>