



Taoyuan Sulp-Reality Checks

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Taoyuan City and EcoLogistics Community

- ★ One of the most important economic and trade hubs in the Asia-Pacific region
- ★ **October 27, 2019** Signed a contract with ICLEI to be **the first Chair City** of the EcoLogistics Community



*The chair term is 2020-2022

Taoyuan Sulp-2050 Net Zero Goals

Aiming at 2050 Net Zero Urban Logistics

2050 Net Zero Carbon



氢能車

限制運具溫室氣體排放設定，採用電動車，推動氢能運輸，逐步朝向運輸零碳轉型



最後一哩低碳運具推廣

Plan the path to introduce new technologies

產業減碳路徑規劃輔導，導入碳交易，推動建置運輸和存儲基礎設施，促進碳捕捉、封存新技術應用



Challenges and Opportunities

Smart storage cold energy utilization

應用自動化設備進行倉儲管理，並應用LNG低溫減少倉儲冷凍耗能減少排碳



Packaging reduction and recycling

減少物流包裝廢棄物，透過循環再利用減廢減碳



Taoyuan 2050 EcoLogistics Net Zero

Renewable energy and land use

提高能源使用效率降低能耗支出，增加物流園區土地利用，推動建築零排放、綠化增加碳吸收



Challenges and Goals

Urban Logistics Impact in Taoyuan



Air Pollution



GHG Emissions



Noise Pollution



Congestion



Waste Production



Land Degradation



Traffic Safety



Urban Quality of Life

8 Principles of EcoLogistics

Health, Safety, People-centered
Low-emission, Circular and Regional
Economy



Promote multi-stakeholder decision making structures



Frameworks for climate-friendly business models



Optimize the efficiency of delivery operations



Shift to alternative delivery options



Commit to safer urban delivery vehicles for safer streets



Raise awareness and encourage behavior change

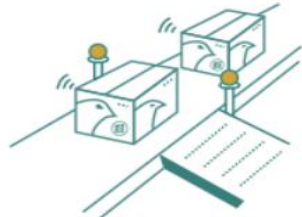


Integrate land use planning for freight delivery



Support consolidation schemes for urban deliveries

Local Approaches



Smart Logistics

- Public Logistics Platform
- Intelligent Management System



Low-Carbon Transportation

- Low emission fleet
- Replace diesel cars



Air Pollution Management

- Diesel cars exhaust inspection
- air-quality sensor



Green Building

- Wind power generation
- Solar power generation
- Low-energy building materials

Communication and Stakeholder Engagement



Over 30 stakeholder meetings at demo sites



On-site visits to logistics industry and relevant firms

Taoyuan Sulp-Contents

Local Implementation of the 8 EcoLogitics Principles



Alternative delivery options



Promote low-carbon transportation



Improve delivery efficiency



Low emission vehicles and safer streets



Building smart transportation



Promote high-tech law enforcement



Multi-stakeholder structures



Stakeholder meeting



EcoLogistics training seminar



Delivery efficiency



Truck dynamic monitoring



Logistics database establishment



Land use integration



Planning loading and unloading area



Construction of logistics area



Consolidation schemes



Establish a mini-distribution center



Transported by electric vehicles after the trucks



Climate friendly models



Promote green procurement



Counseling the installation of renewable energy devices



Public awareness



Promote recycling packaging



Promote environmental education

Taoyuan Sulp-Lessons learnt

Integration is the key!

Research Institutions

Institutions for transportation, industrial, information, public affairs, and natural resource management

Neighborhood

- Nearby residents and stores.
- Takoham Environmental Sustainability Foundation
- The Global Logistics & Commerce Council of Taiwan
- Old Street recreation association
- Relevant citizen groups



Government

Departments, Bureaus, and Sectors in Taoyuan City Government

Industry

- Logistics
- Clearance
- Retailer
- Vendor

Media

- CommonWealth Magazine
- others

Thank you !!

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