Transit Oriented Development in Japan

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Primary Mode Used for All Trips

Reference
Tokyo : Tokyo Statistical Yearbook 2009, Japan Tokyo Metropolitan Area Travel Survey 2008 (in Japanese only)
Paris : National Transport Survey 2008 (in French only, Enquête Nationale Transports et Déplacements)
New York : Census 2010, U.S. Census Bureau National Household Travel Survey 2009, New York City
Economic Growth in Japan


Population increase by approx. 5,000 ~ 600,000 persons/year

(year)

Population in Tokyo Metropolitan area

1305 1786 2411 2869 3179 3341 3561
(10 thousands of people)
During the high growth economic period, roads and railways became severely congested due to the increase in population and vehicle ownership and to the concentration of the population to urban areas.

Congested railways during the high growth economic period

Roads in the Tokyo metropolitan area during the high growth economic period
Regional Structure

Overconcentration Structure  Multipolar Structure
Regional structure

5th National Capital Region Master Plan

Greater Loop Linking Core Cities in the National Capital Region

Loop Linking Core Cities

Greater Tokyo Region
Integrated Development of both Residential Land and Railway at the same time
Traffic congestion causes economic stagnation
→ **Obstruction for economic growth**

Comprehensive projects cause sound economic activity
→ **Further economic growth**
Examples of TOD Projects

【Expansion of Tokyo Metropolitan Area and New Town Development】

1960s

- 30km
- 50km
- 70km

2000s

- 30km
- 50km
- 70km

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<th>DID area</th>
<th>Urban Railways</th>
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70km
The Plan for National Capital Region Development to control sprawl of the city and urban development. Integrated plan to develop urban railway and new town in wide area.

Examples of TOD Projects

Major new town plan and railway plan in Metropolitan Area
Examples of TOD Projects by Public Sector

- Urban development by public government.
- New construction of two radial private railways with direct connection to central Tokyo
- New construction of a loop of Tama Monorail with connection to Tachikawa City

Development of Tama New Town

- Urban railway
- Monorail

Location map

Source: City and Transportation, Vol. No. 65 (Japan Transportation Planning Association)

City plan decided: 1965
Moving-in started in: 1971
Planned area: 2,892ha
Projected population: 340,000

Project concept

Examples of TOD Projects by Public Sector

- Urban railway
- Monorail

Source: Materials submitted by UR
Examples of TOD Projects by Private Sector

Development of Denen-toshi Line

Tokyo (CBD)

Tokyu, Denen-Toshi Line

Tama-Plaza St.

源：村松建築，別巻，No.14，Vol. 88，Nov.2013

Source: Material from the Tokyu Corporation

Examples of TOD Projects by Public Sector

Development of Tsukuba Express

Integration of urban development along railway and urban railway development

【Metropolitan Intercity Railway Company】
- Start of Operation: Aug. 2005
- Operating Distance: 58.3km
- Line Name: Joban New Line (Tsukuba Express)
- Number of Stations: 20
- Average Daily Passenger Traffic: Approx. 320,000

Start of business: 1993
Planned Develop Area: 3,000ha
Planned Population: 250,000
Changes in the Total Population and the Aging Rate in Japan

Note: For the government designated cities, as of April 1st, 2012, the population from 20 cities were indexed.
Examples of TOD Projects
Urban renewal project of government office integrated with development of underground passage connected with subway stations.

Examples of TOD Projects

- **Chiyoda-Line Nogizaka Sta.**
- **Tokyo Midtown**
- **Oedo-Line Roppongi Sta.**
- **Hibiya-Line Hibiya Sta.**
- **Underground Passage connected to Subway Sta.**

[ Overview of Tokyo Midtown Project ]

- **Implementer**: 6 private companies
- **Site Area**: About 102,000 m²
- **Total Floor Area**: About 564,000 m²
- **Opened**: March 2007
Examples of TOD Projects

Accompanying the urban redevelopment of the area, in order to establish a node for urban transportation systems, subways and the surrounding neighborhoods, the underground space and the entire area was intensively utilized.
Examples of TOD Projects

Urban renewal project integrated with roads, the new subway station and underground passage connected with the existing subway station.

[Overview of Toranomon Hills]
- Floor: 52 storied
- Site Area: About 17,000 m²
- Total Floor Area: About 244,000 m²
- Opened: May 2014

[Overview of New Connectivity Improvement]
- Under Planning (Scheduled for about 2020)
Comprehensive infrastructure development by utilizing reserved fund from land readjustment project

Compared to the project by purchase of land, enable to reduce public budget
Promote the development of public facilities by utilizing advanced by development interests into a joint site by urban redevelopment project.
Thank you very much for your attention.