SDGs and Toyama's Value Added Compact City Model

Mayor Masashi Mori, Toyama, Japan







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Creating a Compact City

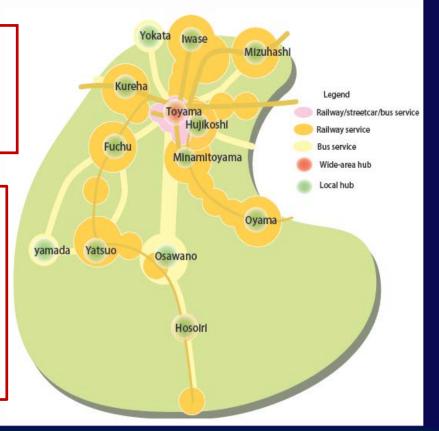
By revitalizing public transport such as railway track lines, and by concentrating residential, commercial, business, and cultural buildings along those lines, a compact city is created with public transportation at its center.

"Skewer and Dumpling" Concept

Skewer: Major public transportation lines Dumpling: Areas within walking distance connected by the skewers

Three Pillars of Compact City

- 1. Revitalizing Public Transport
- 2. Encouraging Citizens and businesses to relocate along public transportation
- 3. Revitalizing the City Center

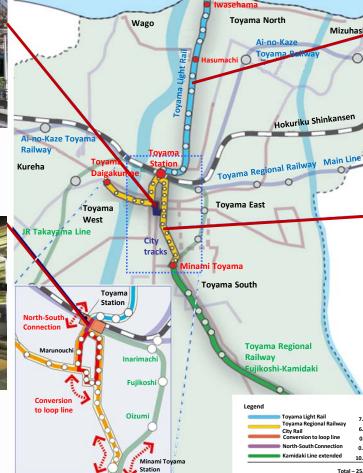


Formation of an LRT Network

People-friendly and Eco-friendly LRT Network Fosters Connectivity



City Train Loop Line Opened Dec 2009



Services extended to go below Shinkansen's elevated tracks Opened Mar 2015



Toyama Light Rail (2006)



City Train Line



Mizuhashi









6.4 km

0.9 km

0.3 km





Value Added Effects of Our Compact City Strategy

A "Positive Spiral" has been created bringing positive results and changes to the city and its citizens.

Increased civic pride Increase in urban residency

Creation of a Resilient City

Change in senior's' lifestyle, Increase of opportunities to go out.

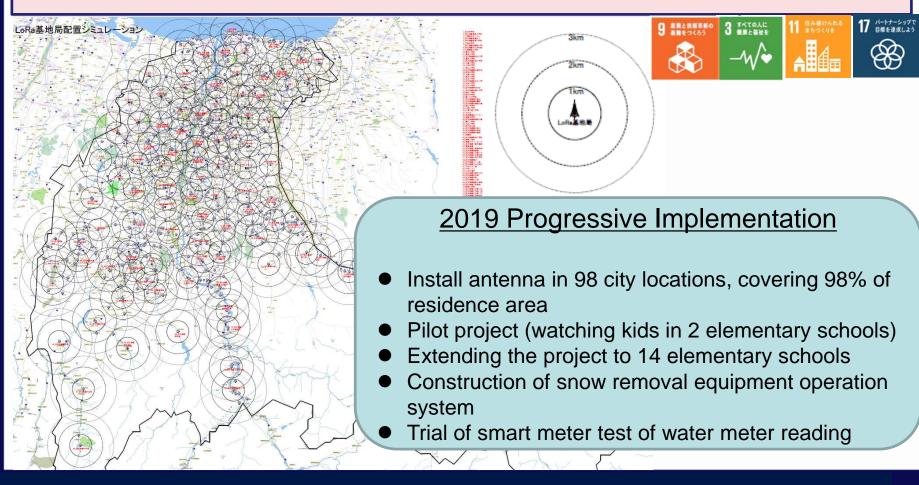
LRT development, Improved urban mobility

Revitalization of downtown; Increased vitality; Revitalization of local economy; Increased tourism

Improved public transport convenience & increased ridership→increase private company benefit

Installing LPWA: a Smart City Supports a Healthy Life

Wireless Sensor Network Project - Establish a city wide communication network by LPWA (Low Power Wide Area) and promote IoT in all city operations.



Future Utilization of Wireless Sensor Network

Regional cooperation project watching over children



Share bicycle system

Wandering elderlies

Public transport survey



Public facilities survey





Smart water meter



Smart gas meter





Irrigation channel



water level monitoring Rainfall monitoring



Creation of new public services; **Expansion of existing services**

Effective management of public infrastructure

Private-sector participation

New services using IoT

companies

IoT Device development support for private

Toyama Regional Circulating & Ecological Economy - Future Vision

