

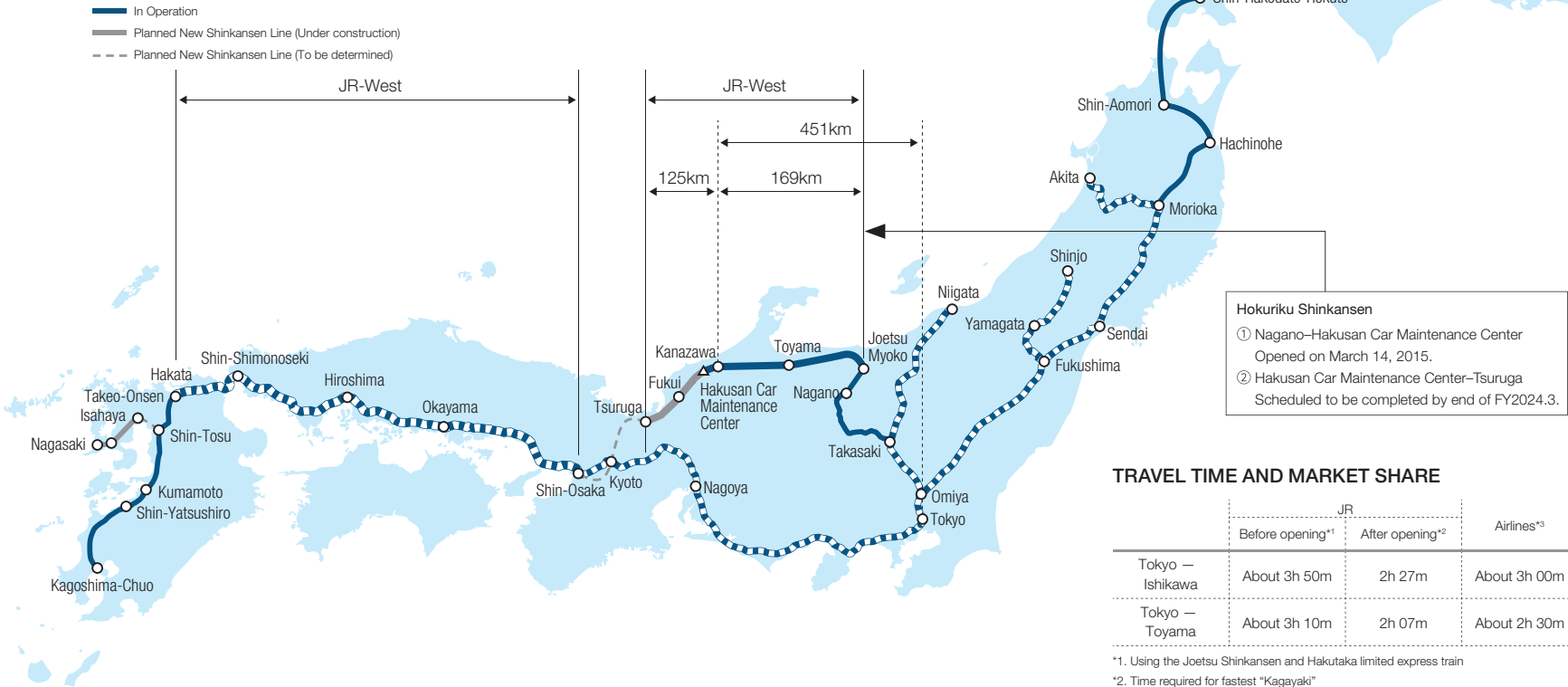
Business

# Development of New Shinkansen Lines (Hokuriku Shinkansen Line)

## FIVE NEW SHINKANSEN LINES PROPOSED IN 1973 UNDER THE NATIONWIDE SHINKANSEN RAILWAY DEVELOPMENT LAW

Line	Lines in Operation	Approved Zone for Construction Implementation Plan	Expense Burden
Tohoku (Morioka–Aomori)	Morioka — Shin-Aomori (opened in December 2010, 178km)		
Hokuriku (Tokyo–Osaka)	Takasaki — Nagano (opened in October 1997, 117km) Nagano — Kanazawa (opened in March 2015, 228km)	Kanazawa — Tsuruga (125km)	<ul style="list-style-type: none"><li>Central government (existing Shinkansen transfer revenues, public utilities expenses)</li><li>Local governments (one-half of the central government)</li><li>JR (usage fees with the upper limit to be determined by the range of expected benefits)</li></ul>
Hokkaido (Aomori–Sapporo)	Shin-Aomori — Shin-Hakodate-Hokuto (opened in March 2016, 149km)	Shin-Hakodate-Hokuto — Sapporo (211km)	
Kyushu (Fukuoka–Kagoshima)	Hakata — Kagoshima-Chuo (opened in March 2011, 289km)		
Kyushu (Fukuoka–Nagasaki)		Takeo-Onsen — Nagasaki (66km)	

### PLANNING OF NEW SHINKANSEN LINES As of March 31, 2021



### TRAVEL TIME AND MARKET SHARE

	JR		Airlines*3	JR market share*4	
	Before opening*1	After opening*2		Before opening (FY2014.3)	After opening (FY2020.3)
Tokyo — Ishikawa	About 3h 50m	2h 27m	About 3h 00m	31.2%	67.1%
Tokyo — Toyama	About 3h 10m	2h 07m	About 2h 30m	55.2%	86.5%

\*1. Using the Joetsu Shinkansen and Hakutaka limited express train  
\*2. Time required for fastest "Kagayaki"  
\*3. Includes airport access and egress time  
\*4. Source: Statistical survey of Ministry of Land, Infrastructure, Transport and Tourism

Note: Hakusan Car Maintenance Center is located from Kanazawa station to the west about 12 kilometers.