

Texas Central: 21st Century Transportation Technology

21st Century transportation is coming to the Lone Star State. Texas Central is developing a high-speed rail system, which will provide a safer and more efficient way for Texans to move between Dallas and Houston – in less than 90 minutes.

Texas Central works closely with Central Japan Railway Company (JRC) in the development of this project and the N700-I Bullet train system, which is based on fifth-generation Shinkansen technology.

The Tokaido Shinkansen has been in operation in Japan since 1964. Today, JRC operates 323 high-speed trains and transports an average of 424,600 passengers each day between Tokyo, Nagoya and Osaka. Their average annual “delay” is less than one minute.

Because the N700 is less susceptible to service interruptions than other modes of travel, high-speed rail will be an all-of-the-time transportation alternative. Further, because trains in Texas will not be a part of a national system, service will not suffer from spillover problems elsewhere in the national transportation system.

JRC’s technologies and practices have a safety record unmatched by any other system in the world—over fifty years of service without a **single** loss-of-life accident during operation.

This level of safety directly reflects JRC’s commitment to safety, including:

- Adoption of a total system approach that seamlessly integrates signaling, infrastructure design, track work, communications, power supply, operations, maintenance, rolling stock and the system safety plan into a coherent whole.
- A completely separated track system that is dedicated solely to high-speed rail service, thereby precluding any possible encounter with freight traffic, motor vehicles, wildlife or pedestrians.
- Use of JRC’s state of the art and proprietary Automatic Train Control (ATC) system, which will provide equivalent or better safety-levels than those in use in the U.S. today.



Photo of the N700 used under permission of JR Central