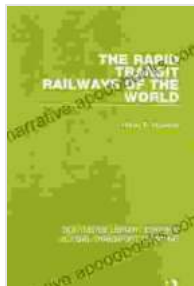


# The Rapid Transit Railways of the World: A Comprehensive Guide to Urban Transportation Systems



## The Rapid Transit Railways of the World (Routledge Library Editions: Global Transport Planning Book 13)

by Cecilia Minden

★★★★☆ 4.7 out of 5

Language	: English
File size	: 25805 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 255 pages



Rapid transit railways are a vital part of urban transportation systems around the world. They provide a fast, efficient, and reliable way to move people around cities and suburbs. This book provides a comprehensive overview of rapid transit railways, including their history, technology, and operations.

### History of Rapid Transit Railways

The first rapid transit railway was built in London in 1863. It was a steam-powered line that ran from Paddington to Farringdon Street. The line was an immediate success, and soon other cities around the world began to build their own rapid transit systems.

In the early 20th century, electric traction replaced steam power on rapid transit railways. This made the trains faster and more efficient. In the 1950s, the development of rubber-tired trains allowed rapid transit railways to be built on elevated tracks or in tunnels.

Today, rapid transit railways are found in cities all over the world. They are an essential part of urban transportation systems and play a vital role in reducing traffic congestion and improving air quality.

## **Technology of Rapid Transit Railways**

Rapid transit railways use a variety of technologies to move people around cities. The most common type of rapid transit railway is the heavy rail system. Heavy rail systems use steel wheels running on steel rails to move trains. Heavy rail systems are typically underground or elevated, and they can carry a large number of passengers.

Other types of rapid transit railways include light rail systems, monorails, and automated people movers. Light rail systems use lighter trains than heavy rail systems, and they can run on either surface tracks or elevated tracks. Monorails are trains that run on a single rail, and they are typically found in urban areas where space is limited. Automated people movers are small, driverless trains that are used to move people around airports, shopping malls, and other large buildings.

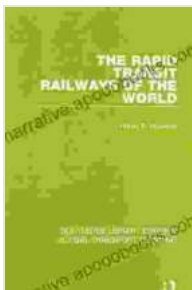
## **Operations of Rapid Transit Railways**

Rapid transit railways are operated by a variety of public and private companies. The operations of a rapid transit railway typically include:

\* Train scheduling and dispatching \* Fare collection \* Station maintenance \*  
Track maintenance \* Train maintenance

Rapid transit railways are an essential part of urban transportation systems around the world. They provide a fast, efficient, and reliable way to move people around cities and suburbs. The technology and operations of rapid transit railways are constantly evolving, and they continue to play a vital role in reducing traffic congestion and improving air quality.

This book provides a comprehensive overview of rapid transit railways around the world. It is an essential resource for anyone interested in urban transportation planning and operations.



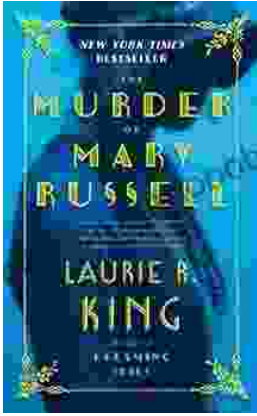
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