



Built across North America by Siemens Mobility

In 1978, Edmonton, Alberta became the first North American city to open a light rail system with a base fleet of 37 U2 Siemens Mobility light rail vehicles. Thirty years later, a new generation of vehicle was born and the city of Edmonton expanded their network by 2.1 km and is currently operating 57 SD160 light rail vehicles.

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HIGH-FLOOR LIGHT RAIL VEHICLES

Building on the strengths of
today with the **innovations**
of tomorrow

SIEMENS



1 light rail has the ability to replace **= 920 cars** off the road



Connecting neighborhoods

Light rail systems move passengers to their destinations faster and in more comfort, allowing them to skip traffic congestion and reduce air pollution. Siemens Mobility's high-floor vehicles will better connect neighborhoods with city centers, making travel easy, reliable and affordable.

The S200 high-floor light rail vehicle is electrically powered from an overhead wire system (catenary) and operates at speeds up to 65 miles per hour with the ability to operate in multiple vehicle consists. Carrying upwards of 200 passengers in each vehicle, light rail transit is an effective mode of decreasing automobiles on roadways, reducing CO2 emissions and improving commuters' experience.

The evolution of high-floor light rail vehicles

The S200 represents all that we have learned – throughout 40 years of manufacturing high-floor vehicles in the United States – in addition to what we have learned from our other light rail projects around the world. It is a hybrid creation combining industry leading innovations with the best elements from both of our successful SD160 high-floor and S70 low-floor light rail platforms.

A cleaner, greener way to travel

Reduced traffic congestion translates into lower levels of pollution and a higher quality of life.

We are not only building lower emission transportation solutions but also using renewable energy and sustainable manufacturing processes at our Sacramento, Calif. plant. An all-round environmentally friendly design, the new high-floor light rail vehicles have a direct correlation between the light-weight design, energy consumption and operating costs.



Offering tailored service

Efficiency counts – everywhere in the United States.

As an operator, you are completely focused on the business of service and transportation. You not only need easy-to-maintain vehicles, but an expert service partner.

Effective operations require maximum availability, which can only be ensured through service and maintenance, precisely tailored to your needs. Siemens Mobility Customer Services and maintenance programs will support all the operations and service plans your business requires. After all, putting great things in motion means having reliable vehicles available – at all times.

The S200

Facing the future with innovation

Features & benefits that can improve on-time performance & reliability

Maintenance

The S200 has been designed with ease of maintenance as a prime factor intended to minimize turnaround times. Several service-proven features are included in the S200 standard design that will make maintenance, cleaning and repairs easier. Simplified truck and tire maintenance and 10-year truck overhauls reduce downtime.

Safety

The S200 design meets the latest crash energy management (CEM) requirements including front-end strength and a crumple zone for collision with large objects. CEM provides operators and passengers significant safety improvement. Large operator windshield and cab side windows increase outside viewing range, including visibility of nearby pedestrians and bicyclists.

Smart Technology

A remote diagnostic tool and rail remote service desk allows the end user remote access to view active and historic vehicle fault data. Data is sent in real time when traveling on the alignment, at station platforms or vehicle staging locations.

Hybrid-Battery Technology

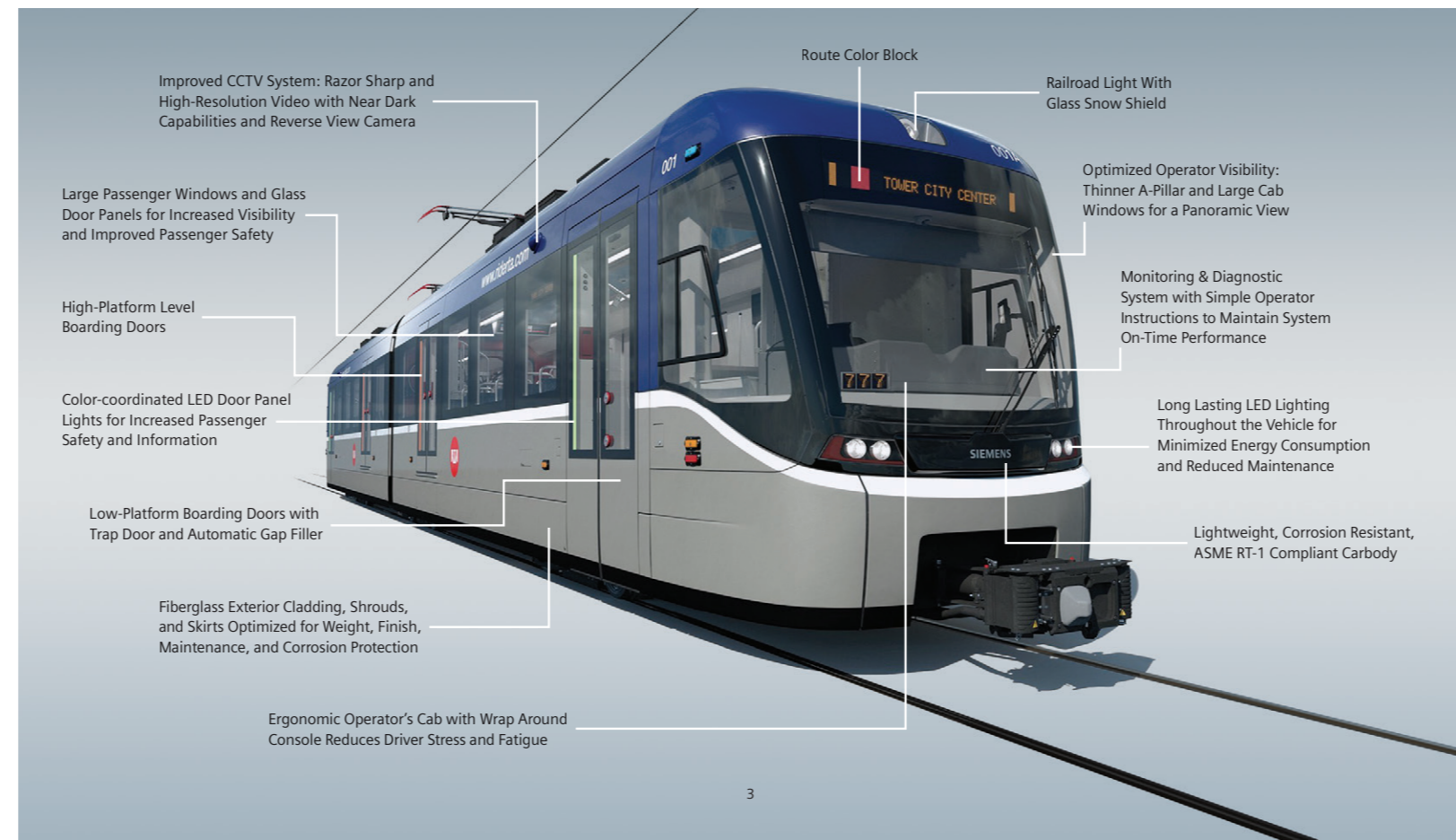
The hybrid-battery technology can be provided by an on-board energy storage system (OESS) which is mounted to the underframe. This lithium battery system provides energy to the propulsion and auxiliary systems for off-wire operation of up to five miles. The OESS system can be re-charged during regular on-wire operations, through regenerative braking or from shop power mode.

Enhancing the Riding Experience

The Siemens Mobility S200 design provides for a clean, spacious and well lit interior, contributing to passenger comfort. Features include large safety glass windows, improved longitudinal seating, and designed with Americans Disability Act (ADA) standards in mind.

Passenger Security

Transit passengers and operators ride the rails with the peace of mind in knowing that help is just a click away, if needed. A fully integrated closed-circuit television system (CCTV) acts as the eyes and ears of the S200 vehicles, with high definition, weather resistant cameras keeping watch throughout each train and passenger communication systems at the ready.



A long history of high-floor vehicles

Calgary, Alta.

Since opening in 1981, Calgary has become the second busiest light rail system in North America, transporting an average of more than 300,000 riders daily, safely and efficiently. In addition to expanding the city's fleet with over 80 S200 LRV's, the new trains will replace a portion of the fleet of current Siemens U2 vehicles provided to the city in the early 1980s, thereby continuing the strong customer relationship between the company and Calgary Transit.

Denver, Colo.

The success of Denver's initial order of eight light rail vehicles and the increase in overall ridership over the years has prompted Denver to expand their system to include 59 miles of track and operate in excess of 200 Siemens Mobility light rail vehicles.

Cleveland, Ohio

Cleveland was the first city to use electricity on a large scale in their public square. It will now continue that theme with Siemens Mobility's latest technology in high-floor vehicles replacing two legacy fleets with one common vehicle design. This S200 light rail vehicle has been fitted with the latest features.

Edmonton, Alta.

Over the last 30 years the City of Edmonton has purchased more than 90 light rail vehicles from Siemens Mobility, making them the oldest customer in North America.

Los Angeles, Calif.

The Los Angeles County Metropolitan Transportation Authority (Metro) operates four light rail lines and two heavy rail lines. Metro purchased 52 Siemens P2000 high-floor light rail vehicles in 1998 to operate on the Green, Blue & Expo lines.

San Francisco, Calif.

Three unique designs were inspired by the city of San Francisco for the new Muni LRV4 contract for over 200 new and improved light rail vehicles that will improve reliability, safety and customer communications. The contract is the largest light rail contract ever to be awarded in the U.S.

St. Louis, Mo.

The greater St. Louis area of Missouri and Illinois opened its light rail system with a base fleet of 31 SD400 vehicles in the summer of 1993. Since then, the system has expanded by 30 miles and operates with additional Siemens vehicles. 30 years later, the original fleet is ready to be replaced and Metro has ordered 55 of Siemens Mobility's latest hybrid-battery S200 vehicles.

Manufacturing in North America

Moving cities forward with light rail vehicles for more than 40 years.

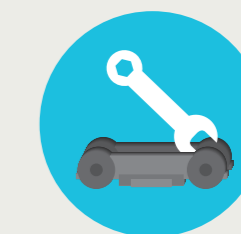
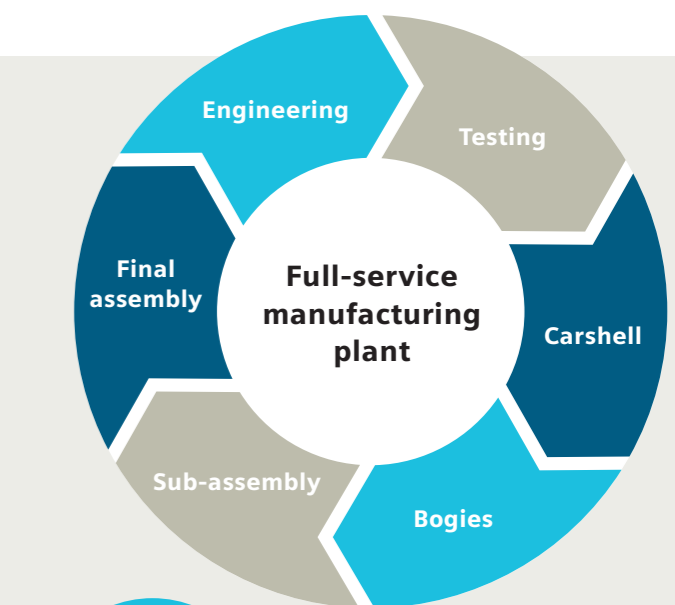
Siemens Mobility has expertise in the areas of urban, commuter and long distance transportation. The Sacramento full-service manufacturing plant builds rolling stock from start to finish optimizing project management and quality.

With an industry-leading U.S. supply chain and dependable delivery, Siemens Mobility offers environmentally friendly, efficient and reliable rail vehicles.

From pre-installation to ongoing maintenance, Siemens Mobility Customer Services goes the extra mile to extend and enhance the service life of all rail vehicles.



- 218 suppliers in 26 states for San Francisco Muni
- 175 suppliers in 28 states for Denver RTD



Services to support the life of your vehicle