

SIEMENS

Ingenuity for life

Venture Trainsets

Redefining the intercity
rail experience

usa.siemens.com/mobility

Next generation rail, built for North America.

With our latest, intercity trainset, Siemens is redefining what intercity rail can be. It's an unsurpassed passenger experience that's also raising the bar for efficiency with service-proven vehicles designed for tomorrow and in production today. In short, the Venture is a 21st century trainset that's being embraced by passengers, operators, and agencies alike.

Riders will enjoy new levels of comfort and convenience along with the latest amenities. The Venture features spacious interiors and flexibility for multiple configurations of economy, business, cafe and cab cars. Integrated crash energy management provides next generation safety.

Reduce operating costs and enhance sustainability with the clean and green Charger diesel-electric locomotive. Light and powerful, it delivers maximum performance and reliability up to 125 mph. An intelligent control system and advanced diagnostics further improve fuel economy.

Extend the life and performance of your trainset with maintenance services from Siemens. A wide range of service options are available to best match your specific needs and resources. Our expert technicians, comprehensive supply network, and digital monitoring keep your fleet on the move.

Built, tested, and proven

While designed and built for tomorrow, the Venture trainsets are a proven product. Our vehicles are in use throughout North America and have been built on a tested and service-proven platform. Benefiting from decades of experience in North America, we've developed them to meet the unique needs of the market. All vehicles are designed and validated in accordance with FRA regulations, APTA standards and PRIIA 305 specifications for next generation equipment.

First in safety

Providing the most protection for the riding public is our top priority. That's why Venture trainsets feature the safest rail car design on the market. All carbodies incorporate Crash Energy Management (CEM) crumple zones to absorb energy at both ends of the car. Our design also includes a controlled collapse feature to enhance safety in the event of impact.

Buy America compliant

If required, Siemens intercity trainsets can be 100% Buy America compliant, using components sourced from our vendors throughout the United States. Vehicles delivered in North America are constructed at our full-scale, solar-powered, rolling stock manufacturing facility located in Sacramento, California that employs more than 1,500 workers.

Sophistication, comfort, and convenience

Setting the new standard for intercity rail passenger trainsets

Rethink what rail can be

Siemens is ushering in a new era for rail in North America. Sophisticated design, modern amenities, and attention to comfort have come together for an experience that appeals to riders of all persuasions.

Unmatched passenger comfort

The Venture trainset delivers comfort without compromise. Combining innovation with an attention to detail, we have created an experience like no other.

- Modern suspension design, featuring air spring technology, delivers a more comfortable ride while providing maximum safety against derailment.
- An innovative roof-mounted HVAC system, with next generation air distribution, provides a consistently pleasant environment for passengers throughout the entire trainset.
- In-seat recline allows passengers to recline their seats without encroaching on the space of the passenger behind them.

Standard-setting amenities

With a host of new amenities, the Venture trainset offers a more engaging ride for all passengers. These features help create a ride that is more enticing to both new and return riders, and generate long-term fans and advocates.

- Enhanced Wi-Fi provides a reliable connection throughout the entire trainset, keeping today's passengers up-to-speed and up-to-date.
- Perfect alignment between seating and windows offers panoramic views with larger windows and integrated window shades.
- Spacious interiors feature a contemporary passenger information system, modern lighting, and flexible configuration for cafe and lounge areas.



Siemens offers the latest in high-tech communications and amenities, including multiple Wi-Fi antennas for each car, as well as power and USB ports at all seats.

More accessible and convenient

Siemens Venture Cars (SV125) comply with current and anticipated accessibility requirements and feature design enhancements that improve convenience for younger and older riders.

- The SV125 exceeds current ADA requirements with wheelchair comfort in mind, including wider aisles, wheelchair storage, and fully accessible toilet rooms.
- Four, wide, sliding-plug side doors offer improved ease of entry for high and low leveling platform access that streamlines the boarding process and reduces dwell times.
- The semi-permanent coupled configuration creates a comfortable, safe, and fully-ADA compliant transition between coaches.

A safer design

The new, single-level SV125 used on our intercity trains are safer than existing vehicles. With fewer potential hazards and more safety features, our car design protects your passengers and your operations.

- Carbodies feature Crash Energy Management (CEM) crumple zones on both ends, protecting passengers.
- Seat tracks fulfill current APTA requirements for strength and crashworthiness.
- Coupled gangways and grab handles

on all aisle seats improve safe passage through and between cars.

- Sliding-plug doors reduce vestibule noise levels, while automatic gap fillers, or trap door design and retractable steps, ease boarding on high and low platforms.

Flexible configuration

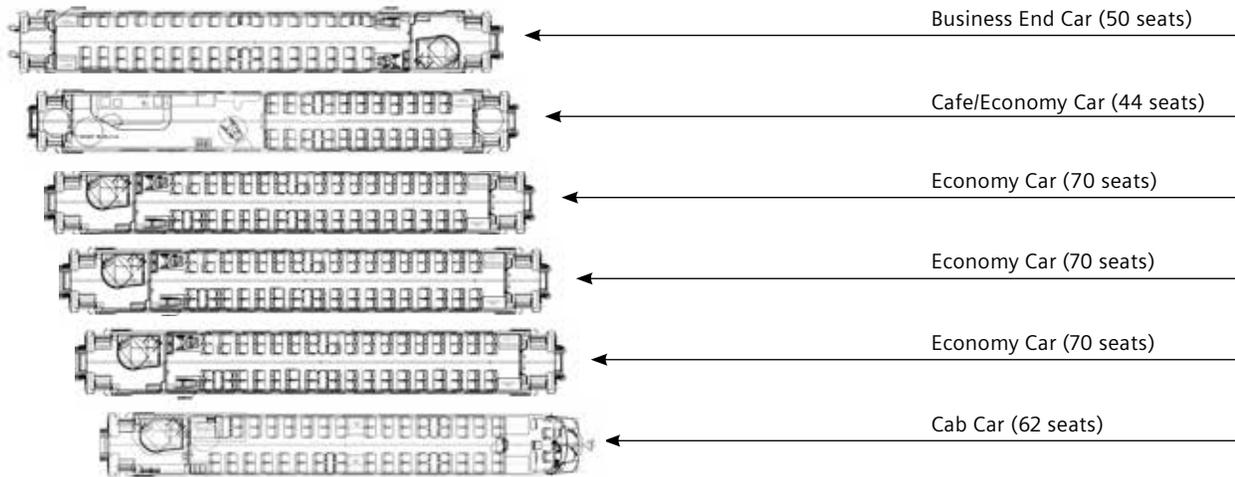
The Venture gives you more options to maximize your revenues. Interiors provide flexibility to suit multiple configurations, ranging from economy seating for up to 74 passengers to cafe cars with lounge seating that still maintain up to 44 revenue seats. You provide the seating that's best for your service while ensuring rider comfort and universal accessibility.

Configuration	Revenue Seats
Economy	Up to 74
Business	Up to 54
Cafe	Up to 44
Cab (Economy)	Up to 62



Sample Trainset Configuration

A sample configuration of one business car, one cafe/economy car, three economy cars and one cab car, seats 316 economy class and 50 business class passengers. Revenue seats in the cafe car can be easily reconfigured or replaced with lounge seats.



Built to last

Siemens has been active in the passenger car industry for more than 160 years. Our designs are in wide use around the world, including installations throughout the United States and Canada. We've put that experience to work to create cars that stand the test of time for both form and function.

- Innovative stainless steel carshell design provides a sleek look that is corrosion-resistant, minimizes noise, and insulates interiors from heat loss/gain.

- Carbodies are designed to thrive in all climates throughout North America, providing a comfortable indoor environment and protection against slip/fall hazards and snow accumulation.
- Continuous data monitoring of coach performance ensures early detection of faults, for proactive maintenance.

The Venture from Siemens comes equipped with:

- ADA accessible toilets
- Wheelchair locations
- Luggage towers and/or bicycle racks
- Overhead luggage storage
- Freely configurable number of tables



Service proven and ahead of its time

Introducing the green and efficient Charger diesel-electric locomotive

The Siemens Charger locomotive features the QSK95 diesel engine, manufactured by Cummins Inc. in Seymour, Indiana.

The clean combustion engine meets stringent Tier IV+ emissions regulations of the Environmental Protection Agency (EPA).

A bold design that delivers

Siemens next generation, intercity trains feature the Charger diesel-electric locomotive. Combining the latest locomotive technology with a design that is based on service-proven equipment, Charger offers the most efficient and reliable way to power high-speed intercity rail service.

The Charger locomotive is ready to go. It has the approval of the FRA and the AAR, meets NGENC PRIIA 305-05 technical specifications, features a strong track record of performance worldwide, and is in production today.

Efficiency and performance

Designed for both regular and clean diesel use, the Charger locomotive is green at heart without sacrificing power. It features the Cummins QSK95 engine, built specifically to meet EPA Tier IV+ compliance while operating at speeds up to 125 mph.

The Charger's design supports efficiency. It weighs just 271,000 pounds, can reach 4,400 HP, and features an intelligent control system that further improves fuel economy.

And, with low noise emissions and a design that uses more recyclable materials, it protects the environment in more ways than one.

Safe and reliable

The Charger diesel-electric also powers confidence. It features a truck and drive system that's service proven, and offers 100% head end power (HEP) and auxiliary load redundancy. Meanwhile, its crash energy management system enhances the safety of people, passengers, and assets, and minimizes collision repair.

A smarter way to work

Featuring the latest innovations in design, digitalization, and locomotive technology, Charger helps your team perform at their best. Developed with the input of locomotive engineers and technicians, it features a spacious and ergonomic cab design, and is built with maximum accessibility of key components, simplifying maintenance. Advanced monitoring and diagnostics – both onboard and remote – alerts operators and maintenance to faults so they can be addressed quickly and proactively.



More service options from a trusted partner

Create a smart, tailored service program for your trainset

Tailored to your needs

With Siemens, you have a partner that can support your mission of maintaining safe, reliable service while staying within budget. We provide a wide range of service options that help you balance your needs with existing resources.

- *Full Service Support* – We cover it all. Siemens experts manage and maintain your equipment. You'll have a higher level of confidence with our premier service organization covering every aspect of your maintenance program.
- *Charter Rail* – Maximize your existing resources with Siemens maintenance management and parts supply. Your existing staff can work smarter and more efficiently with support from Siemens on-site experts and supply chain.
- *Technical Support & Spares* – A Technical Support & Spares Supply Agreement (TSSSA) from Siemens provides expertise and a predictable cost structure that addresses planned and unplanned maintenance without impacting labor agreements.

Expertise you trust

Over 2,250 vehicles are under Siemens service contracts and operating with more than 98% reliability each and every day. From on-site technical services to materials management expertise, you benefit from working with the people who built your vehicle and have the resources to maintain them for less.

Protecting your investment

We bring predictability to your operations. Agreements are performance-based, with incentives and penalties to ensure your goals are met. For parts, you'll have obsolescence coverage throughout the life of your contract.

Data-driven performance

Every Siemens vehicle reports vehicle conditions, including mileage and faults, back to our Siemens Rail Remote Service Desk. This data-driven approach enhances service performance, ensuring that issues are known and resources ready when your vehicle comes in for maintenance.

Siemens is a trusted service partner for major transit operators throughout North America, including long-term service agreements with Amtrak, Florida's Virgin Trains, and VIA Rail in Canada.



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