Siemens Mobility
Investing in American Rail
Built for excellence. Built with Pride

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Siemens Mobility North America
Now more than ever before America needs rail investment

Today’s rail networks are falling behind the rest of the world
   In 2001, China had NO high-speed railways
   In 2022, no fewer than 23,500 miles of lines cross the country
   By 2035, the plan is to double the length

In the US, Rail investment provides a path to economic growth, creates high skill jobs, and can ensure that we remain competitive in the global marketplace
Rail infrastructure investment is critical
For Jobs. For the economy.

• For more than 150 years…rail has been intertwined in our country’s history and fabric

• 24k new jobs for every $ 1 Billion invested in rail

• Each $ spent on rail- returns $4 to local communities
Rail infrastructure investment is critical. For the environment.

- Rail can be *sustainably* powered for the future
- Zero emission power could decarbonize much of the US rail system
- 40 of the largest 100 US cities do not have *any form* of passenger rail
Hydrogen Trains

- Our colleagues in Germany are testing hydrogen-powered trains with a range of more than 600 miles.
- These trains use a hydrogen generator to charge an onboard electric battery which powers the trains’ electric motor.
- Hydrogen-powered trains are an emissions free solutions on routes without overhead power cables.

Solar Powered Manufacturing

Siemens Mobility has been manufacturing in Sacramento for more than 30 years and the rail plant is almost entirely solar powered by the California sun

Charger Certifications

Each of our Siemens Mobility Charger locomotives are powered by a Cummins 16-cylinder diesel engine, which meets the EPA Tier 4 emissions standards that took effect in 2015.

- In 2020 our Charger locomotives were also emissions-verified by the California Air Resources Board (CARB) standards.
#AMERICANMADE

Siemens Mobility Manufacturing in North America

**INVESTING FOR THE FUTURE**

$100M
INVESTED IN 10+
YEARS ADDING
HUNDREDS OF JOBS

2000+
SUPPLIERS ACROSS
THE U.S. IN MORE
THAN 40 STATES

2M WATTS
SOLAR POWERED
MANUFACTURING
FACILITY IN
SACRAMENTO

40+
TRANSIT
CUSTOMERS
ACROSS NORTH AMERICA

**MANUFACTURING IN AMERICA**

8 MANUFACTURING FACILITIES

- ALPHARETTA, GA
- LOUISVILLE, KY
- MCCLELLAN PARK, CA
- PITTSBURGH, PA
- MARION, KY
- NEW CASTLE, DE
- PORTLAND, OR
- SACRAMENTO, CA

30K CROSSINGS ACROSS NORTH AMERICA

2800+ LOCOMOTIVES, LIGHT RAIL VEHICLES, AND TRAINSETS

2000+ DATA POINTS REMOTELY MONITORED ON EACH TRAINSET

975+ LOCOMOTIVES, COACHES AND LRVs WITH LONG-TERM SERVICES AGREEMENTS

PTC
OUTFITTED FIRST FULLY INTEGRATED PASSENGER RAILROAD

SIEMENS
#AmericanMade
Mobility in the US and Canada –
Customer value through proximity, vertical integration and customized services

WSDOT
Sound Transit/SDOT
TriMet
Caltrans
Sacramento RT
SJRRRC
SFMTA
Valley Transportation Authority
OCTA
LAMTA
METRO
San Diego MTS
Valleymetro
UTA
Calgary Transit
Edmonton Transit
Denver RTD
Houston METRO

DART
Twin Cities Metro Transit
St. Louis Metro Transit
IDOT
CTA
VIA Rail
MBTA
LIRR
SEPTA
MARC
KTT
Amtrak
DC Streetcar
Metro North
PATH
CATS
Brightline
Cincinnati Streetcar
MARTA
Cutting-Edge S700 Streetcar Transports Charlotte’s Commuters

Adding off-wire service to Charlotte Area Transit System’s Gold Line eliminates the need for overhead wires in the central business district.

24.7% population growth in Charlotte since 2010, with residents seeking sustainable transit options

Stores renewable power from innovative regenerative braking system

Emissions-free transportation for Charlotte’s future

Low-floor design that’s more accessible than ever
In 2010, 70 electric ACS-64 locomotives for use on the Northeast Corridor were ordered.

In 2018, 75 diesel-electric Charger locomotives for long distance service across the country were ordered.

2021, Amtrak ordered 73 multi-powered trainsets, including dual power and hybrid battery trains. The Charger engine will be coupled with a Battery Car allowing for emissions-free operations in areas not allowing diesel operations (like New York’s Penn Station).
• Brightline is the only provider of modern, eco-friendly high-speed rail in the U.S., and Siemens Mobility has provided all 17 of their Florida trainsets since 2018.

• Siemens Mobility and Brightline are also in discussions on supplying Brightline’s technology solutions for its future high-speed Brightline West operations in California.
• A partnership since 2001, Houston Metro has ordered 51 LRV’s

• Full Turnkey Project--Siemens supplied all systems (LRVs, Traction Power, Control center)
In 2007, Dallas Area Rapid Transit (DART) awarded a contract to Siemens to supply 24 thyristor-controlled rectifier substations for the Southeast and Northwest corridor expansions.

In 2008, The City of Houston awarded Siemens Mobility a multi-phase project to maximize energy efficiency across the city's 10,000 traffic and pedestrian signals.

In 2014, Bytemark, a Siemens business, launched the first citywide mobile ticketing app in Austin with Capital Metro.
Siemens Mobility and Texas: the potential for greatness in rail

• Sustainable LRVs

• Best in the business Charger Locomotives

• High speed rail