



## Siemens Moving California Fact Sheet

### Siemens Rail Manufacturing in Sacramento

With approximately 800 employees, the Sacramento plant serves as the North American Manufacturing Headquarters for Siemens Rolling Stock. Siemens Rolling Stock is an international leader in providing rolling stock and related services. Siemens designs and manufactures across the entire spectrum of rolling stock including commuter and regional passenger trains, light rail and streetcars, metros, locomotives, passenger coaches and high-speed trainsets.

The Siemens' Sacramento rail plant boasts full manufacturing capabilities including: design, engineering, testing, carshell, bogies, subassembly and final assembly. With all aspects of the manufacturing process taking place at one facility, Siemens offers customers unparalleled access, optimum project management and quality, from start to finish right here in California.

- Siemens has been manufacturing in Sacramento for more than 30 years. The rail plant in Sacramento is an example of environmentally friendly manufacturing, using solar energy which powers more than 80% of our facility.
- As Siemens' manufacturing footprint has grown in northern California, so has its contribution to the region's economy. In the last 10 years alone, Siemens has invested more than \$90 million in the Sacramento plant, and added hundreds of jobs.
- Since opening its doors for business in the Sacramento community, the manufacturing portfolio has expanded from building 1,300 light rail vehicles for 17 cities in the U.S. and Canada, to manufacturing passenger rail locomotives and trainsets, as well as streetcars for customers across North America.
- Current projects include engineering and building:
  - New Amtrak ACS-64 electric locomotives
  - High-speed trainsets for All Aboard Florida
  - Diesel-electric locomotives for five states including California, Illinois, Missouri, Michigan and Washington
  - Light rail vehicles for San Francisco
- Over the last 30 years, Siemens has developed a robust supply chain that includes nearly 200 California-based suppliers, with approximately 40 of them based in Sacramento to provide components and parts for transit and passenger rail projects. Siemens has 130 suppliers within 100 miles of the Sacramento plant and have worked with some companies for 30 years.
- The plant is currently undergoing a 125,000 square-foot expansion to support passenger rail coaches and train sets manufacturing.
  - Expansion includes an 80,000 square-foot welding site, a 35,000 square-foot warehouse to store equipment used for building the trains, and a 9,000 square foot surface treatment area to treat the surface of the vehicle's exterior to prep it for painting. These buildings are expected to be finished and operational later this year.
- Siemens has also purchased 22 acres next to current operations to support high-speed rail manufacturing.
- All vehicles built at the Sacramento plant meet Buy America requirements.

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## Siemens Mobility in California

The Sacramento plant has manufactured rail vehicles for projects across California. Siemens is currently partnering with:

- Caltrans—Manufacturing “Charger” diesel-electric locomotives for California as part of the \$225 million contract for multi-state passenger locomotives. Will be the first time Siemens proven diesel-electric locomotive technology is installed in the U.S.
- San Francisco—Currently building 215 light rail cars for SFMTA, the biggest Siemens order ever for light rail cars in the U.S.
- Sacramento—Refurbishing 21 light rail vehicles for the Sacramento Regional Transit District, adding an additional 15 years of useful life to the vehicles.

And have manufactured rail vehicles for cities across California:

- San Diego—Manufactured 197 light rail vehicles for San Diego. Siemens also set a Guinness World Record with its S70 LRV in San Diego for the longest distance traveled by a battery-powered tram from one charge in 24 hours.
- Los Angeles—Manufactured 52 light rail vehicles between 1998 and 2002.
- North County Transit District—Manufactured 12 Siemens diesel-powered light rail vehicles for the 22-mile “Sprinter line” north of San Diego’s metro area (Oceanside, Vista, San Marcos, Escondido)

Siemens also works on additional innovative transportation projects across the state.

- In Los Angeles, Siemens is installing the first fully-developed eHighway demonstration in the world. Using technology originally developed for rail, the eHighway system will electrify select routes via an overhead system that supplies trucks with electric power in the proximity of the Ports of Los Angeles and Long Beach, the two largest ports in the U.S.
- At LAX, Siemens will install a new baggage handling system for Southwest Airlines that will include 4,800 linear feet of conveyor and 300 energy-efficient drives.
- Siemens has installed advanced signaling and rail automation equipment for Caltrain, San Diego’s Blue Line, and Metrolink. These signaling and wayside crossing technologies increase rail system efficiency and safety for its riders.
- And its Rail Electrification business replaced existing traction power substations with 20 newly designed and installed substations on Los Angeles’ MTA Blue Line, one of the oldest lines in the city. Siemens Rail Electrification also partnered with San Diego to provide 15 substations to efficiently power their rail lines.

## Siemens Mobility in the U.S. and beyond

Siemens has been in the transportation business for over 160 years, introducing the first electric railway in 1879 and has since worked on rail projects across the globe. Siemens is able to leverage global rail and transportation experience and engineer it specifically for the U.S. to move people in and around cities and communities.

- In the U.S., Siemens is providing rail vehicles, locomotives, automation, components and systems to more than 25 agencies in cities such as Washington D.C., New York, Boston, Philadelphia, Denver, Salt Lake City, Chicago, New Orleans, Minneapolis, Houston, Portland, Sacramento, San Diego, St. Louis, Atlanta and Charlotte
- Cities like Portland, Washington D.C., Philadelphia, New Orleans, New York and Chicago also rely on Siemens to provide traction-power substations and electricity transmission, as well as signaling and control technology for freight and passenger rail and transit systems.
- Siemens has built high-speed trains for six countries. These trains have traveled the equivalent of more than 20,000 times around the world.
- Siemens supplied motors and drives for all of its light rail vehicles and locomotives, including the Amtrak ACS-64 locomotives, out of our Norwood, Ohio plant, Siemens’ oldest plant in the U.S. operating for over 100

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years. And in Alpharetta, Georgia just north of Atlanta, Siemens manufactured drives for the Downtown Atlanta Streetcar project that opened this past December.

## Key Data

- Nearly 3,000 Siemens employees in the state of California
- More than 800 Siemens employees in the Sacramento area/region in the following businesses:
- More than 200 veterans work at Siemens throughout the state of California in a variety of roles across Siemens' businesses.

*Please note that employment figures are based on where employees work, not where they live.*

Siemens' Rail, Transit & Mobility Portfolio: Siemens Rolling Stock business unit is part of the Siemens Mobility Division which provides efficient and integrated transportation of people and goods by rail and road – including all products, solutions and services regarding mobility. Siemens designs and manufactures across the entire spectrum of rolling stock including commuter and regional passenger trains, light rail and streetcars, metros, locomotives, passenger coaches and high-speed trainsets. In the U.S., Siemens is providing rail vehicles, locomotives, components and systems to more than 25 agencies in cities such as Washington D.C., New York, Boston, Philadelphia, Denver, Salt Lake City, Minneapolis, Houston, Portland, Sacramento, San Diego, St. Louis, Atlanta and Charlotte. Cities also rely on Siemens to provide traction-power substations and electricity transmission, as well as signaling and control technology for freight and passenger rail and transit systems. Siemens has transportation manufacturing hubs in: Sacramento, CA; Louisville, KY; Marion, KY; Pittsburgh, PA.

Siemens USA is a U.S. subsidiary of Siemens AG, a global powerhouse in electronics and electrical engineering, operating in the industry, energy, healthcare, and infrastructure & cities sectors. For more than 165 years, Siemens has built a reputation for leading-edge innovation and the quality of its products, services and solutions. With 343,000 employees in more than 200 countries, Siemens reported worldwide revenue of approximately \$98 billion in fiscal 2014. Siemens in the USA reported revenue of \$22.2 billion, including \$ 5.2 billion in exports, and employs approximately 50,000 people throughout all 50 states and Puerto Rico.

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