

SIEMENS

Siemens in the U.S.

Siemens Corporation is a U.S. subsidiary of Siemens AG, a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 165 years.

The company is using its global leadership in engineering and technology innovation to meet America's toughest challenges. From efficient power generation to digital factories, from wellhead to thermostat, and from medical diagnostics to locomotives and light rail vehicles, Siemens in the United States delivers solutions for industry, hospitals, utilities, cities and manufacturers. Siemens' next-generation software is used in every phase of product development, enabling manufacturers to optimize and customize equipment that touches American lives every day.

Siemens has been in the U.S. for more than 160 years and it is now the company's largest market. In just the past 15 years, Siemens has invested about \$35 billion in America.

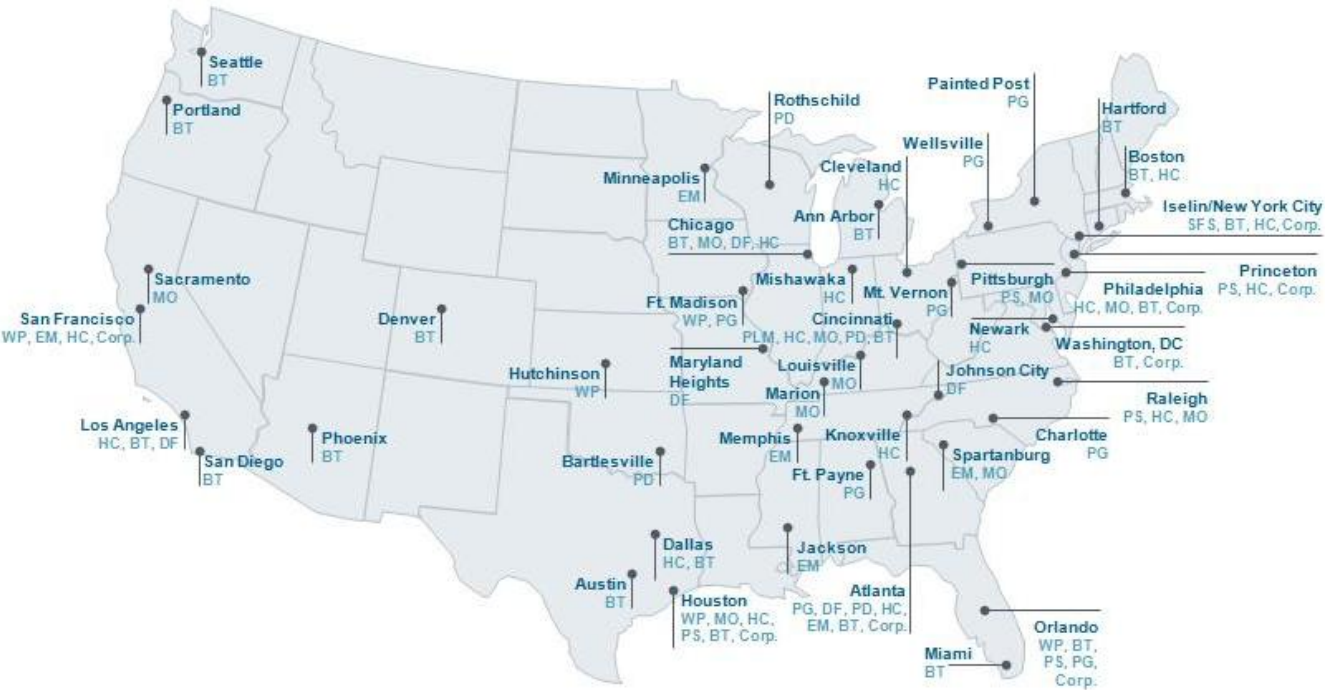
With 348,000 employees in 190 countries, Siemens reported worldwide revenue of approximately \$86.2 billion in fiscal 2015. Siemens in the U.S. reported revenue of \$22.4 billion, including \$5.5 billion in exports, and employs approximately 50,000 people throughout all 50 states and Puerto Rico.

Siemens is home to approximately 75 manufacturing sites in the U.S. The company invests more than \$1 billion in R&D annually and more than \$50 million in job training programs.

U.S. Fast Facts FY2015*	
Revenue (direct business)	\$22.4 billion (including \$5.5 billion in exports)
New Orders (direct business)	\$24.6 billion
Employees**	50,000
R&D Expenditures	\$1.05 billion
R&D Employees**	5,600
Manufacturing Sites	Approximately 75
* All data reported as "Continuing Operations"	
** Number of employees is approximate	

For Siemens, the U.S. is also an extremely vital production location, one of the most important research centers, and a key base from which Siemens exports globally.

Siemens' Major U.S. Employment Hubs





An overview of Siemens' nine divisions, its core businesses and other U.S. recognition:

POWER & GAS

For over a century, Siemens has set the standard for excellence in power generation, transmission and distribution. Siemens is continuing to build on that proud tradition, using engineering expertise and global leadership in technology to provide innovative solutions for customers – from utilities, to the industrial space, to oil and gas companies. For power generation and delivery, Siemens' portfolio includes power plants and power-generating equipment, turbines for use as mechanical drives, compressors for industrial applications, power transmission and distribution systems, smart grid applications, and related instrumentation and control systems.

Dresser-Rand and Rolls-Royce Energy: To harness the benefits of the global energy revolution, Siemens is fortifying its position as the premium supplier of equipment and service for the world's energy infrastructure markets – particularly in the U.S. Through the 2015 acquisition of Dresser-Rand and the 2014 acquisition of the Rolls-Royce Energy aero-derivative gas turbine and compressor business, Siemens is positioning itself to be the most complete, end-to-end rotating equipment and process automation provider in the market. By combining its expertise in automation, electrical systems, data analytics, and service with these established providers, Siemens is able to offer a much broader range of products, services and solutions to meet customers' needs – particularly in the oil and gas industry and in the field of distributed generation.

Siemens also opened its new Oil & Gas Headquarters in Houston, Texas – serving the global Oil & Gas sector from the “Energy Capital of the World.” Siemens has major manufacturing and service operations across the U.S., including the Charlotte Energy Hub, which manufactures and services advanced fossil power generation equipment, such as gas and steam turbines and generators; a steam turbine plant in Burlington, Iowa; and factories in New York state that produce steam turbines and compressors.

Examples of major business:

- With the U.S. in the midst of an energy revolution, Siemens is the technology partner for the Holland Energy Park – a community-based initiative in Holland, Mich., to construct a modern and efficient natural gas combined cycle power plant. Holland Energy Park will harness clean-burning, low-cost American natural gas to benefit its customers, cutting greenhouse gas emissions by half. For this innovative project, which will also expand Holland's downtown snowmelt system, Siemens is supplying two SGT-800 gas turbines and one SST-400 steam turbine, as well as a long-term service contract for the gas turbines.
- As part of the trend toward decentralized energy in the United States, Siemens continues its work with Panda Power Funds – which includes seven power generation projects since 2012, with sites in Texas, Pennsylvania, Maryland and Virginia.
- As part of an effort to modernize Florida Power & Light's Port Everglades Clean Energy Center in the state, Siemens provided three H-class gas turbines. The gas and steam turbines for this project were manufactured at Siemens' manufacturing facility in Charlotte, N.C., and were transported to the plant site by rail, barge and multi-wheeled vehicle. Siemens' advanced gas turbine technology allows this energy center to deliver customer benefits of an estimated \$400 million in fuel savings over the turbines' entire lifecycle of approximately 30 years.

WIND POWER & RENEWABLES

Over the past decade, Siemens has established itself as a leader in America's wind energy industry. Siemens is committed to growing wind power through products that are proven, reliable, and durable – striving to drive down costs and increase wind as a share of the nation's energy mix. More than 5,000 Siemens wind turbines are installed across the U.S. with a national network of service technicians to keep them operating at maximum capacity. Siemens' wind turbines are “Made for

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America,” with major Siemens manufacturing facilities located in Iowa and Kansas, along with an aerodynamic engineering center in Colorado.

Examples of major business:

- Designed largely at Siemens’ aerodynamic engineering center in Colorado, the new SWT-1.2-120 turbine will be produced at Siemens’ factories in Iowa and Kansas starting in 2017. The new blade was designed with the goal of increasing energy production for sites with medium to low wind conditions, which currently comprise much of the U.S. market.
- Siemens continues to complete work on a multi-year order from MidAmerican Energy to supply 448 wind turbines. With a total capacity of 1,050 megawatts (MW), this represents the largest order for onshore wind turbines for Siemens in the U.S.
- 130 Siemens wind turbines are now standing tall over Kay County, Okla. Apex Clean Energy selected Siemens to supply equipment, technical field assistance, commissioning and long-term service for the Kay Wind farm. The 299-MW project – owned by Southern Power, a subsidiary of Southern Company – is expected to create enough clean energy to power approximately 100,000 average U.S. homes annually.
- Siemens has recently completed an order from Pattern Energy Group Inc. to supply, support installation and provide long-term service for 65 wind turbines for the Amazon Wind Farm located near Fowler, Ind.

POWER GENERATION SERVICES

With a broad spectrum of innovative products and services, Siemens is the leading service partner for ensuring high reliability and optimal performance of rotating power equipment within the utility, oil & gas, and industrial processing industries worldwide – as well as for wind turbines. Siemens’ extensive national network of service technicians is able to quickly and comprehensively offer expert service to maximize the lifecycle of power generation equipment, helping to ensure reliability and prevent downtime. Siemens continually looks for ways to increase the performance of customers’ operating plants in a market being driven primarily by an aging power plant fleet and the rising demand for increasing the efficiency of existing plants in order to combat climate change, conserve natural resources and meet the ever-growing need of an expanding global population. Through life extensions and other advanced technologies, Siemens can increase the efficiency and capacity of existing power plants, enabling them to generate substantially more electricity with the same amount of fuel, which pays off both economically and environmentally.

In the wind power space, Siemens currently provides service and maintenance for more than 3,100 installed wind turbines in the Americas region and more than 7,600 globally, with a combined generating capacity of approximately 18 gigawatts (GW). In 2013, Siemens opened a state-of-the-art Wind Service Training Center in Orlando, a hub that provides highly advanced technical and safety training for installation and service technicians working at wind energy projects located throughout the Americas.

Examples of major business:

- Through the acquisitions of Dresser-Rand and Rolls-Royce Energy, Siemens expands its rotating equipment installed base increasing six-fold from approximately 22,250 to more than 130,000.
- Siemens was awarded a long-term service contract to provide service and maintenance at 12 MidAmerican Energy projects in Iowa. This represents the largest onshore service agreement to date for Siemens in the U.S. Combined, these 12 wind projects have a capacity of more than 2.2 GW, enough to provide approximately 665,000 average Iowa homes with clean energy.

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- In 2015, Siemens was awarded a long-term service agreement for the 286 MW Brooklyn Navy Yard Cogeneration Power Plant in New York City. The facility supplies electricity to the Navy Yard and Consolidated Edison Company (Con Edison) and supplies steam to Con Edison, the Navy Yard, and the nearby Red Hook Wastewater Treatment Plant. These gas turbine upgrades are designed to provide significant performance advantages, and Siemens' long-term service and maintenance operations are tailored to help the plant continue to operate efficiently and reliably.
- In 2015, Siemens was awarded a long-term service contract for gas turbines at the new Holland Energy Park combined cycle power plant in Holland, Mich. This forward-leaning energy project, which provides sustainable power while also bolstering the city's innovative snowmelt system, serves as a model for how a community can address its power generation needs.

ENERGY MANAGEMENT

Siemens Energy Management helps to manage the power chain from creation to consumption, providing technologies for the economic, reliable and intelligent transmission and distribution of electrical power. Across the low-voltage and distribution power grid level, Siemens designs and manufactures smart grid and energy automation technology, power supply for industrial plants, and high-voltage transmission systems. In the U.S., Siemens is providing intelligent technologies to customers including Microsoft, California Independent System Operator, American Electric Power, Con Edison, Hudson Transmission Partners, and Holland Energy Park. Siemens has manufacturing hubs in Jackson, Miss.; Wendell, N.C.; Spartanburg, S.C.; Grand Prairie, Texas; Pomona, Calif.; Ft. Worth, Texas; and Heber Springs, Ark.

Examples of major business:

- Siemens partnered with Microsoft and FuelCell Energy to design, engineer and install equipment and software, including a power monitoring solution, for the world's first zero-carbon, waste-to-energy data center in Cheyenne, Wyo. The project uses biogas methane produced by common waste byproducts at the nearby Dry Creek wastewater facility to power the fuel cell system. The fuel cell system then converts the biogas into electricity to power the Microsoft data center.
- Siemens is providing microgrid management software to Blue Lake Rancheria, a Native American reservation in Northern California, and Humboldt State University's Schatz Energy Research Center to build a low-carbon community microgrid. The software will enable the Rancheria to manage and operate on-site clean power generation sources, including a biomass plant, fuel cell, battery storage and diesel generators to power the 100-acre reservation and keep electricity flowing to critical sites, such as the Red Cross Safety Shelter, in times of extreme weather.
- California ISO is relying on Siemens software to operate its growing Energy Imbalance Market (EIM). Siemens software is a key component of the EIM system that allows the ISO to analyze the energy requirements of the grid every five minutes and automatically determine the lowest-cost generation to meet demand while maintaining the security of the grid.
- Siemens will provide new environmentally-friendly transformers for the Glen Canyon Dam in Page, Ariz. The transformers are filled with ester fluid that can easily dissipate in water quickly if necessary and have a low flash point, making them an ideal technology for hydroelectric dams. This infrastructure upgrade will allow the hydroelectric dam and Glen Canyon power plant to continue its annual production of approximately five billion kilowatt-hours of power reaching 5.8 million customers.
- Con Edison chose Siemens Distributed Feeder Automation (SDFA) technology for its storm hardening efforts in Lower Manhattan. Siemens technology separates Con Edison's power distribution networks into sub-networks that allow the utility to continue delivering power to parts of Lower Manhattan, including Wall Street, in the event of flooding to coastal areas. Con Edison is the first utility in the U.S. to implement this storm hardening technology.

BUILDING TECHNOLOGIES

Energy efficiency is no longer just measured through “greenness” but now also through “intelligence.” Technology and data-based services are helping cities – as well as major campuses, enterprises, hospitals and data centers – monitor energy usage and integrate building automation solutions for enhanced energy efficiency, reliability, and safety. Siemens’ Building Technologies (based outside of Chicago in Buffalo Grove, Ill.) is the North American market leader for safe and secure, energy-efficient and environmentally-friendly buildings and infrastructure. As a technology partner, service provider and system integrator, Building Technologies has offerings for fire protection, life safety and security as well as building automation, heating, ventilation and air conditioning (HVAC), and energy management. Since 1995, Siemens has helped modernize nearly 7,000 buildings worldwide, highlighted by the world’s tallest green skyscraper, in Taipei, and important American landmarks such as the new World Trade Center Memorial, the Times Square building, Carnegie Hall, Walt Disney World and the Mount Vernon estate.

Examples of major business:

- The National Park Service (NPS) has selected Siemens to implement energy and water conservation measures at 13 of the nation’s most important sites in the Washington, D.C. metropolitan area. The National Mall and Memorial Parks, Antietam and Manassas National Battlefields, Rock Creek Park and Wolf Trap National Park for the Performing Arts are among the regional landmarks to be upgraded by Siemens to help the NPS achieve significant energy and water reductions and their associated cost savings.
- A joint project between the University of Louisville (UofL) and Siemens saved UofL \$12.9 million in energy costs in four years and paid even larger economic dividends to the region, according to a study conducted by Economic Development Research Group. Since 2009, UofL has invested \$46 million to reduce energy use on its three campuses through performance contracts with Siemens. This investment supported \$33.5 million in wages, \$25.8 million in business sales and 613 jobs in the Louisville metropolitan area, the study found. The project has saved utility and other costs by improving energy and operational efficiency in 88 campus buildings. Over the lifetime of the improvements these savings will not only pay for up-front costs but also provide additional savings that can be reinvested by the university, resulting in impacts in the broader Louisville community.
- The Siemens Building Technologies Division and IBM announced cloud-based solutions that will harness Siemens’ building expertise and IBM Internet of Things (IoT) capabilities to maximize the potential of connected buildings and the data they create. The solution delivers greater transparency and flexibility to corporate real estate owners – supporting the decision-making process while creating greater efficiency and cost savings to help the bottom line. With IBM’s IoT technologies integrated into the next generation of Siemens’ Navigator platform, customers will experience a user-friendly interface and will benefit from more advanced analytics capabilities as well as the ability to process more robust data sets from their real estate portfolios. The Siemens Navigator platform provides a customizable suite of services that enables monitoring of building system performance, energy demand, and energy supply more effectively and efficiently across a single building, a campus, or an entire real estate portfolio.
- Siemens’ cloud-based Site Controls Energy Management System (EMS) has been deployed at nearly 1,500 of ALDI’s U.S. retail locations, supplementing the grocer’s ongoing carbon emissions reduction initiatives. ALDI anticipates reducing carbon emissions by an additional 29,000 metric tons per year—the annual equivalent of removing 6,100 cars from the road or of providing electricity for 4,000 homes. In addition to monitoring energy output and performance of on-site solar panels, Siemens’ Site Controls EMS reduces energy usage at stores by monitoring and/or controlling key energy-consuming devices such as HVAC units, indoor lighting, store signage, indoor and outdoor temperature sensors, and refrigeration units.

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- Siemens' Intelligent Voice Communication panels allow small and medium-size facilities to have full-featured protection tailored for their everyday and emergency life safety and communication needs. Until now, smaller and mid-sized facilities seeking a more highly sophisticated emergency communication fire alarm system would often acquire systems designed and intended for larger buildings. Customers can choose from a full range of detection options, as well as fire protection, digital voice communication and mass notification functionality all from a single panel.

MOBILITY

Siemens Mobility provides efficient and integrated technologies, products and services to enable the safe and reliable transportation of people and goods by rail and road. 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 provides 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, Calif.; Louisville, Ky.; Marion, Ky.; and Pittsburgh, Pa.

Examples of major business:

- Siemens has been manufacturing rail vehicles in Sacramento for more than 30 years. In 2015, the over 800-person plant began building high-speed trainsets for Brightline, the new high-speed service that will connect Miami and Orlando, and new diesel-electric locomotives for several state DOTs in the Midwest, West and East. The facility is also manufacturing light rail vehicles for San Francisco, Siemens' largest light rail vehicle contract ever in the U.S., new electric locomotives for the Southeastern Pennsylvania Transportation Authority, and 70 electric locomotives for Amtrak's Northeast Corridor.
- Siemens announced that Ann Arbor, Mich. will be its first Center of Excellence for Intelligent Traffic Technology. The partnership will extend Siemens' existing 10-year technology partnership with the city by providing new and updated traffic technologies to improve traffic flow and reduce congestion.
- Siemens has partnered with Portland's TriMet since the early 1990s and has now provided intelligent technology from the light rail vehicle and the signals used to operate the new "Orange Line" system, to storage units that power the lines and technology that enable vehicles to communicate with each another. Siemens has redesigned its light rail vehicles and installed the first regenerative energy storage unit in the U.S. for the new Portland-Milwaukie line. The storage technology allows for energy created during braking to be stored and then re-used in one of two forms, energy savings or voltage stabilization during peak demand times.
- The Sacramento Regional Transit District (RT) began operating the first set of newly-refurbished light rail vehicles by Siemens on its recently opened Blue Line. The vehicles will increase capacity on the line and throughout the RT light rail system in order to maintain service levels. Siemens is refurbishing a total of 21 vehicles for Sacramento RT that will add approximately 15 years of additional useful life to the vehicles.
- Siemens has been chosen by the Metropolitan Transportation Authority (MTA) to install Communications-Based Train Control (CBTC) on the Queens Boulevard Line, one of the busiest subway lines on the New York City Transit system. The radio-based CBTC technology provides real-time data on vehicle position and speed conditions, allowing system operators to safely increase the number of vehicles on a rail line. This results in greater frequency of train arrivals and allows MTA to accommodate more passengers on its system. In addition to the new system on the Queens Boulevard line, Siemens successfully installed CBTC technology on the Canarsie

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“L” line that has allowed MTA to handle and sustain increasing ridership on the line over the last 20 years.

DIGITAL FACTORY

Siemens Digital Factory offers a comprehensive portfolio of seamlessly-integrated hardware, software and technology-based services to support manufacturing companies worldwide in enhancing the flexibility and efficiency of their manufacturing processes and reducing the time to market of their products.

[Siemens PLM Software](#), a business unit of Digital Factory, is a leading global provider of product lifecycle management (PLM) and manufacturing operations management (MOM) software, systems and services with over nine million licensed seats and more than 77,000 customers worldwide. Headquartered in Plano, Texas, Siemens PLM Software works collaboratively with customers to provide industry software solutions that help companies everywhere achieve a sustainable competitive advantage by making real the innovations that matter.

Examples of major business:

- Siemens has a global strategic alliance with BMW as the automaker’s sole automation source. BMW recently announced investments of \$1 billion in its Spartanburg, SC plant. These investments will make the Spartanburg facility BMW’s largest factory in the world. Siemens has been working successfully with BMW in South Carolina since 2004. BMW in Spartanburg is already the biggest exporter of U.S.-made cars to markets outside North America.
- Siemens technology helps to power Boeing’s moving production lines – reducing production time and supply chain complexity and integrating data connections of global teams. In the next 15 years, 25,000 new commercial aircraft will be built across all categories. Boeing plans to ramp-up production of its 777 from five to seven planes per month.
- Siemens TIA Portal helps companies reduce engineering time by 25-30 percent through its intuitive interface. Some customers benefitting from TIA Portal are the Statue of Liberty, Burr Oak and Crawford Technical Services ([Video case studies](#)).
- Siemens maintains a cyber security operations center (CSOC) in Midland, Ohio. Siemens’ plant security offerings are comprehensive, including services and support, R&D and product management. The CSOC operations center supports, partners and collaborates with agencies such as the Industrial Control Systems Cyber Emergency Response Team (ICS-CERT), a division of the U.S. Department of Homeland Security’s Office of Cyber Security and Communications, and the intelligence community to share control systems-related security incidents and mitigation measures.

Siemens PLM software highlights:

- No less than 18 of the top 20 aerospace and defense OEMs use solutions from Siemens PLM Software.
- All of the top 20 aircraft engine manufacturers use solutions from Siemens PLM Software.
- Siemens PLM Software is now used by 29 of the world’s top 30 automotive OEMs.
- Nearly 85 percent of the top 50 Tier One auto suppliers use solutions from Siemens PLM Software.

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- Seven of the leading shipbuilders in the world use solutions from Siemens PLM Software to create “Digital Shipyards” and three more digital transformations are underway.

PROCESS INDUSTRIES & DRIVES

Siemens Process Industries & Drives helps customers increase productivity, safety, reliability, efficiency and time-to-market for plants and processes with innovative, integrated technologies across the entire lifecycle. With a deep understanding of individual market segments, Siemens helps customers respond quickly and confidently to new market requirements and challenges, strengthening their competitiveness. The business is headquartered in Alpharetta, Ga., just 40 minutes north of Atlanta.

There are also key locations and manufacturing sites in Elgin, Ill.; Broussard, La.; Cincinnati, Ohio; Bartlesville, Okla.; Houston and Arlington, Texas; New Kensington, Spring House and Pittsburgh, Pa.; and Rothschild, Wis.

Examples of major business:

- In Georgia, the Atlanta Streetcar, built by Siemens and introduced into operation at the beginning of 2015, is powered by propulsion systems manufactured in the headquarters of Process Industries & Drives.
- The traction motors of Amtrak’s newest fleet of electric trains for the Northeast were produced by Process Industries & Drives.
- Siemens equipped 35 pumping stations of the Keystone Pipeline with motors, drives, switchgear and automation control systems.
- The transit buses operated by Connecticut Transit (CTTransit) feature a Siemens drive system, which is anticipated to save up to \$400,000 in fuel costs per bus over 12 years.
- The St. Louis brewery’s Schlafly Bottleworks doubled its brewing capacity and yielded a 30 percent gain in efficiency in daily production through the implementation of Siemens’ BRAUMAT Compact PCS7 automation system. BRAUMAT has also enabled the brewery to maintain consistency in quality and supply, boosting overall sales.
- Siemens’ SISHIP LV drives and SINAMICS solutions power Blue North Fisheries’ next generation fishing vessels, saving up to 30 percent in annual fuel and maintenance costs.
- Through an alliance, Siemens Drilling and Marine, Dresser-Rand, Lloyd’s Register, Waller Marine, Conrad Industries and The Shearer Group offer complete LNG solutions to ship owners seeking to use natural gas as a propulsion fuel.

HEALTHCARE

[Siemens Healthcare](#) develops innovations that support better patient outcomes with greater efficiencies, giving providers the confidence they need to meet the clinical, operational and financial challenges of a changing healthcare landscape. As a global leader in medical imaging, laboratory diagnostics, and healthcare information technology, Siemens has a keen understanding of the entire patient care continuum—from prevention and early detection to diagnosis and treatment.

Headquartered in Malvern, Pa., Siemens Healthcare also has facilities in Hoffman Estates, Ill., Knoxville, Tenn., Tarrytown, N.Y., and Mountain View, Calif.

Examples of major business:

- According to a recent survey by the KLAS research firm, Siemens is the vendor that more executives from the nation's largest health systems would select over any other company as their first choice for a future partner. Siemens Healthcare is currently the designated vendor in 47 percent of current partnerships with medical imaging equipment manufacturers.
- In honor of Breast Cancer Awareness month in October, Siemens released a video featuring *Today Show* host and breast cancer survivor Hoda Kotb, sharing her story as a breast cancer survivor and conveying the importance of regular screening. Mammography allows for the detection of breast cancer earlier than self-examinations alone, and catching cancer at an earlier stage not only offers a better prognosis, but easier and more cost-effective treatments as compared to those necessary when cancers are detected at a later stage. With the availability of 3D tomosynthesis imaging as an adjunct to standard 2D mammography, women -- especially those with denser breast tissue -- will receive more thorough and accurate diagnostic results from mammography screenings.
- At the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), Siemens Healthcare introduced new applications designed to substantially reduce the time needed for magnetic resonance imaging (MRI) examinations of the brain, increasing patient throughput and potentially reducing costs per scan. Brain scans account for roughly 20 to 25 percent of all MRI examinations, and fast examinations are essential for maintaining efficient workflow. The number of brain MRI examinations is expected to grow in 2016, with an expected 45 million brain exams worldwide.
- In November 2015, Siemens Healthcare announced that the U.S. Food and Drug Administration (FDA) cleared the Multitom Rax (Robotic Advanced X-ray), a universal diagnostic imaging system that enables a wide range of examinations in multiple clinical areas – from emergency/interventional medicine to pain management and orthopedics, and from conventional 2D radiography to fluoroscopy examinations and angiography applications – all in one room using one X-ray system. The world's first Twin Robotic X-ray system, the Multitom Rax boasts a unique design that enables, for the first time, the acquisition of 3D natural weight-bearing images.
- The Food and Drug Administration (FDA) cleared Siemens Healthcare's SOMATOM computed tomography (CT) systems for low-dose lung cancer screening. Siemens now offers the industry's most comprehensive approach to low-dose lung cancer screening – both on all of Siemens' new CT scanners sold, as well as on the company's installed base of non-end-of-support systems – using standard low-dose lung protocols that are already delivered on Siemens CT scanners. From the SOMATOM Scope 16-slice CT system to the ultra-premium SOMATOM Force, Siemens now makes low-dose lung cancer screening broadly available to its customers.
- At the start of 2016, Siemens Healthcare announced the FDA 510(k) clearance of the globally proven Sysmex CS-5100 System. This hemostasis system was the first to market with PSI technology globally and is now available to Siemens' U.S. customers. The Sysmex CS-5100 System enables automated, standardized sample management as well as automated detection of unsuitable samples. The first analyzer in the Sysmex CS System portfolio of hemostasis solutions in the United States, this system is equipped with simultaneous multi-wavelength Preanalytical Sample Integrity checks, or PSI technology, enabling high-volume laboratories to achieve first-run accuracy.
- Siemens Healthcare announced plans to release a genetic assay designed to test for the presence of the Zika virus. A genetic test is capable of identifying the presence of a virus prior to the development of antibodies, so it can be an earlier indicator of infection. There is presently no known cure for Zika, but a genetic test can aid in research efforts that will ultimately allow

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healthcare professionals to develop more effective management and treatment options. Rapid diagnosis can also aid public health efforts to help control the spread of the disease.

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[Siemens Financial Services, Inc.](#) (SFS) is the U.S. arm of Siemens' Financial Services division, an international provider of business-to-business financial solutions. SFS helps facilitate investments, providing commercial finance, project and structured finance with specific asset expertise in the energy, healthcare, industry, and infrastructure markets. SFS supports Siemens, as well as other companies, with capital needs and acts as an expert manager of financial risks within Siemens. With financing expertise and industrial know-how, SFS creates value for customers and helps strengthen their competitiveness. As of September, 30, 2015, the total, global SFS assets amount to \$27.2 billion.

Examples of major business:

- A Siemens Financial Services' financing package supported the acquisition of the new Siemens SOMATOM Perspective CT scanner for [Pueblo Radiology Medical Group](#). This financing solution supported a long-standing customer relationship, in which Siemens has provided over \$9 million in equipment and construction financing to the Santa Barbara-based medical imaging specialist since 2001. This joint partnership served to further improve patient care with health services, and enabled Pueblo Radiology to acquire one of the most economical CT scanners on the market.
- [Community Health Systems, Inc. \(CHS\)](#) sought to acquire Health Management Associates to become the largest hospital operator in the U.S. SFS participated at the Co-Manager level, committing \$105 million to the credit facility. This commitment contributed to the purchase, refinanced existing debt, and provided for future working capital needs that enabled CHS to support its largest acquisition to date. This financial investment provided CHS with increased economies of scale and further growth to have an improved healthcare network.
- A longstanding Siemens' customer, [Panda Power Funds](#), sought financial support to help invest in the 1,124 MW Hummel Station power plant located in Snyder County, PA. Scheduled to become operational in early 2018, the natural gas-fueled facility will supply power for more than one million households in large power markets in the Mid-Atlantic region, including Philadelphia and New York City. Partnering with Siemens Energy, SFS contributed a \$125 million equity investment in the project. SFS has participated in all seven of the recent Panda Power Funds projects, which also involved Siemens equipment and service, including facilities in Texas, Pennsylvania, Virginia and Maryland. For more information on SFS' work with Panda Power Funds, please refer [here](#).
- [Apex Clean Energy](#) sought financing support for the construction of Kay Wind, an onshore wind facility located in Kay County, Oklahoma. SFS committed to fund up to \$80 million of the project's construction financing. The 299-MW project is expected to create enough clean energy to power approximately 100,000 average U.S. homes annually. This project also features 130 Siemens SWT 2.3-108 wind turbines.

SIEMENS GOVERNMENT TECHNOLOGIES

Siemens Government Technologies, Inc. (SGT) is a separately incorporated, independent, yet affiliated, U.S. company. Compliant with U.S. Government contracting regulations, SGT is a channel to the U.S. federal government to access the full spectrum of Siemens' trusted and recognized solutions, products and services.

Examples of major business:

- Siemens was awarded a \$24 million energy savings performance contract (ESPC) to help the U.S. Army Corps of Engineers save power and water at no cost to the taxpayer at a military helicopter maintenance facility in Texas. Siemens is leading installation of energy-efficiency systems at the Corpus Christi Army Depot in efforts to help meet White House goals on energy and water savings.
- SGT is helping the National Park Service preserve 13 of America's most historic and iconic national parks and monuments, including the Lincoln Memorial and Washington Monument, with infrastructure upgrades that will save energy and water, at no cost to the taxpayer.
- Yellowstone Electric, a small business, and Siemens won a contract to modernize a portion of the Bureau of Reclamation's large Glen Canyon hydroelectric power plant, installing 12 state-of-the-art Siemens generator step up transformers utilizing 'natural ester' insulating fluids to protect the downstream ecology over decades of projected operation.
- SGT enables the U.S. Navy to maximize the availability at sea of naval ships and submarines with Siemens PLM Software optimizing maintenance, planning and scheduling.
- SGT established an office that provides small businesses greater opportunity to sell diagnostic, imaging and clinical products and services to the federal government, while also helping SGT's federal customers meet small business goals.

SIEMENS CORPORATE TECHNOLOGY

Shaping the Future – with Passion for Research, Technology and Innovation – is the mission of Siemens Corporate Technology (CT). Under the leadership of the Chief Technology Officer and in cooperation with the operative units, CT develops the company's technology and innovation strategy, promotes business excellence through consulting and development services, and protects Siemens' intellectual property. As a strategic partner to the company's businesses, CT's central research and development unit plays a key role in advancing Siemens' digitalization strategy. CT supports the company along the entire value chain, from research and development to production technology and manufacturing to the testing of products and solutions. CT's Technology to Business organization in Berkeley, Calif., was established to discover and launch emerging technologies into profitable businesses.

Examples of major business:

- CT's Princeton, N.J. site (founded in 1977) is Siemens' largest research and development center outside Europe. At this site, CT employees were honored by the Research & Development Council of New Jersey with the coveted Edison Patent Award for the past several years, as well as an R&D 100 award, and several Siemens Inventor of the Year awards, among others.
- In 2015, Siemens unveiled major renovations at its U.S. CT facility. The site now includes new, state-of-the-art labs that allow researchers to develop high-impact innovations to help CT's customers enhance their competitiveness. The multi-million dollar site renovation has expanded and modernized the world-class research & development facility, which is home to hundreds of research scientists, consultants and software engineers who provide technological solutions to the global family of Siemens' businesses.
- Combining Silicon Valley's entrepreneurial spirit with engineering expertise, Siemens expanded the startup Frontier Partner program run by Siemens Technology to Business (TTB) and Siemens' product lifecycle management (PLM) software organization. The Frontier Partner program deepens Siemens' long-standing ties to the area as it continues to find, fund, and forge the breakthrough technologies that will harness the power of data and accelerate the development and manufacturing of tomorrow's innovative products. The Frontier Partner

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program grants manufacturing-focused startups access to Siemens' PLM software, its technology partner program and other developmental resources.

- Nearly 300 research scientists, engineers, consultants, and experts provide technology solutions for Siemens and work closely with Siemens' customers, government agencies, universities, and other organizations.

DRIVING SUSTAINABILITY

Siemens is committed to acting in the best interest of future generations – with respect to the **economy**, the **environment**, and **society**.

In 2015, Siemens was again honored to be recognized as one of the world's most sustainable companies on the Dow Jones Sustainability Index. Sustainability guides Siemens' over-arching commitment to thinking and acting in the interest of future generations – balancing people, planet and profit. Additionally, Siemens joined the White House's "American Business Act on Climate Pledge" standing with 80 companies from across the U.S. in calling for action to reduce greenhouse gas emissions.

Before the announcement of last year's global climate agreement in Paris, Siemens announced a bold objective: to cut its greenhouse gas emissions in half by 2020 and to become carbon neutral by 2030. To achieve this goal, Siemens will target facilities, vehicles and fuel. Over the next three years, Siemens plans to invest more than \$110 million to improve energy efficiency at offices and factories, and will require Leadership in Energy and Environmental Design (LEED) certification for all of the company's new buildings.

Siemens will also install distributed and renewable-energy systems at a number of its facilities. As a model, the company will look to its rail manufacturing plant in Sacramento, Calif., where about 80 percent of total electricity is generated using solar energy.

Siemens expects these investments to pay for themselves in just five years and generate \$20 million in annual savings thereafter – demonstrating that cutting your carbon footprint is good business as well as good corporate citizenship.

Siemens' carbon neutral announcement is an extension of the company's long-standing commitment to applying the principles of sustainability across its value chain – designing sustainable products and solutions for industrial, commercial, municipal and institutional customers. Siemens' portfolio includes fuel efficient gas turbines, high-speed electric locomotives, digital grids, wind turbines, optimized drive technologies for manufacturers, resource-saving building automation, and energy efficient health care equipment.

With these and other technologies, in the last fiscal year Siemens' environmental portfolio enabled its customers and partners throughout the world to reduce their carbon dioxide emissions by 487 million tons – about ten times the annual amount of carbon produced in New York City.

At Siemens, this focus on sustainability is creating value for society over the long-term.

SIEMENS VETERANS INITIATIVES

In April 2011, Siemens participated in the launch of *Joining Forces* at The White House. This initiative, led by First Lady Michelle Obama and Dr. Jill Biden, works to support and honor America's service members and their families.

Siemens will soon hire its 2,000th U.S. military veteran since signing on to *Joining Forces*, exceeding the company's initial commitment by six times. And over the next five years, Siemens has committed to hire 500 more veterans.

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Over 60 percent of veterans at Siemens work in STEM-related disciplines, which meet a critical need for the company's workforce' and to the U.S. workforce in general.

Siemens has been named a "2015 Best for Vets" employer by *Military Times*, recognized for its demonstrated commitment to recruit, hire and retain qualified veterans. Siemens also received the 2012 Secretary of Defense Employer Support of the Guard and Reserve Freedom Award, the highest recognition given by the U.S. Government to employers for support of Guard and Reserve employees.

In addition, several employees across various Siemens business divisions have been awarded the Employer Support of the Guard and Reserve Patriot Award and most recently, the Pennsylvania Committee for the Employer Support of the Guard and Reserve recognized Siemens USA with the "Above and Beyond" award for outstanding support of those serving in the Guard or Reserve.

Siemens also offers job training for U.S. military veterans with an engineering and manufacturing background as part of a national effort to assist veterans transitioning to the civilian workforce. The program, launched by Siemens product lifecycle management (PLM) software business in cities across the country, provides free training in the use of state-of-the-art digital lifecycle management and computer-aided design (CAD), computer-aided manufacturing (CAM) and computer-aided engineering (CAE) software technology. Through this effort, Siemens will invest up to \$17,000 per eligible veteran for access to training that will help enhance veterans' qualifications for skilled positions in a wide variety of manufacturing industries around the world, including automotive, aerospace, energy, high-tech electronics, and machinery. Upon completion of the training, veterans who participate in this initiative can also present themselves as qualified candidates for positions with Siemens or the 77,000 customers who use Siemens' PLM technology.

THE SIEMENS FOUNDATION

The [Siemens Foundation](#) has invested more than \$90 million in the U.S. to advance workforce development and education initiatives in science, technology, engineering and math. Its signature programs include the Siemens Competition in Math, Science & Technology, the premier STEM research competition for high school students, as well as national partnerships with the Aspen Institute and the National Governors Association to raise the perception of middle-skill employment opportunity and scale proven models for middle-skill STEM education. The Siemens Foundation's mission is inspired by a culture of innovation, research and continuous learning that is the hallmark of Siemens.

RANKINGS & RECOGNITION

- Siemens was ranked #1 on *Fortune's* World's Most Admired Companies list in the electronics category.
- In 2015, Siemens achieved the highest possible score in the Carbon Disclosure Project (CDP), the world's largest climate-protection survey.
- In 2015, Siemens was ranked #30 on the Boston Consulting Group's World's 50 Most Innovative Companies list.
- In 2015, Siemens was ranked #26 as the World's Most Attractive Employers, which features the top 70 companies as selected by more than 200,000 business and engineering students from the world's largest 12 economies.
- In 2015, the Dow Jones Sustainability Index named Siemens as the world's second most sustainable company in its industry group. For the 16th time in a row, Siemens was included in the DJSI World Index list.
- In 2015, Siemens landed the 53rd spot on Interbrand's "Best Global Brands" list.

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- In 2015, Siemens was selected for the 13th straight year as a Top Supporter of Historically Black Colleges and Universities (HBCUs) by the deans of the 14 ABET accredited, HBCU engineering programs and the corporate-academic alliance Advancing Minorities' Interest in Engineering (AMIE).
- In 2015, Siemens was recognized by the readers of Diversity / Careers in Engineering and Information Technology as a Best Diversity Company. Siemens has also been recognized as a Top Fifty Company for diversity by readers of *Woman Engineer* magazine.
- Siemens was named a *Military Times* 2015 Best for Vets Employer. Siemens earned the 2016 Military Friendly Employer designation of *GI Jobs* and *Military Spouse* magazines.

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For U.S. media inquiries, contact:

Brie Sachse	brie.sachse@siemens.com	202-730-1013
Jeff Grappone	jeffrey.grappone@siemens.com	202-730-1012
Ashley Ball	ashley.ball@siemens.com	202-730-1023