

GE & the Beijing Olympic Games – Project Highlights As of June 1, 2008

Category	Product Description	Application	Location	Details
Security Equipment and Systems	Fire protection system	Safety and security	Beijing Subway Line 1	GE's Edwards fire detection system was selected to upgrade the Beijing Subway's fire alarm system.
	Building automation system	Safety and security	Beijing Subway Line 2	GE FANUC Pac Rx3i system and CIMPPLICITY monitoring system were chosen to improve automation, control and management for the Beijing Subway's Line 2 building automation system (BAS).
	Monitoring system	Safety and security	Beijing Subway Line 1, Line 2	GE supplied a monitoring system upgrade to ensure a safer Game.
	Monitoring system	Safety and security	Beijing Capital International Airport	GE is supplying security network solutions for the Beijing Capital International Airport security check, automatic people movers, Terminal 2 luggage screening area and east expansion. In addition, the company is providing custom video surveillance systems for the airport's automatic people movers, which are the main means for passengers to travel between terminals 3A, 3B, 3C, 1 and 2. The security system provides state-of-the-art surveillance for the four kilometer line, as well as the integrated maintenance control center and all five stations.
	Advanced baggage screening system	Safety and security	Beijing Capital International Airport Terminal 3	Seven GE CTX 9000 DSi advanced baggage screening systems were sold to Beijing Capital International Airport Terminal 3 to aid the Level III Baggage Check Explosive Detection Systems (EDS). The system is the first in China capable of detecting explosives. Beijing Capital International Airport Terminal 3 is one of the largest infrastructure projects being built to support the Games. GE has supplied this equipment to more than 200 airports around the world, serving global anti-terrorism needs. In addition to the screening system itself, GE has provided seven uninterruptible power suppliers (UPS) to ensure that the system will run at all times.
	Alarm system; intrusion; monitoring system; network system	Safety and security	Fengtai Softball Field	GE delivered a wide range of security products for the World Softball Championships at Fengtai Softball Field, the first test event for the Games. These products, which include alarm systems, intrusion protection systems and access control and network systems, were the first integrated security control and monitoring systems put in place at an Olympic venue. The systems' uninterrupted information feed allows venue commanders to make informed decisions in the event of any unexpected incident.

Category	Product Description	Application	Location	Details
Security Equipment and Systems	Visio wave network security platform	Safety and security	National Convention Center	The National Convention Center is a large complex at the Olympic Green, which includes the International Broadcasting Center (IBC) and Main Press Center (MPC). It was the first major venue to utilize GE's Visio wave network security platform.
	Fire alarm system; Visio wave network security platform	Safety and security	Fencing Gymnasium	GE is providing fire alarm systems for the Fencing Gymnasium—one of the three main buildings at the National Convention Center, which will host the Fencing preliminaries, Fencing finals and the Modern Pentathlon (includes fencing and shooting).
	Monitoring system; intrusion	Safety and security	Capital Indoor Stadium	Located at Baishi Bridge in Beijing's Haidian District, the Capital Indoor Stadium will host Indoor Volleyball during the Games. GE's networking systems ensure that the facility is integrated into the overall security infrastructure for the Olympic Games.
	Monitoring system; intrusion	Safety and security	Qingdao International Sailing Center	GE's network systems are being used to integrate the International Sailing Center, located several hundred miles to the east of Beijing in the city of Qingdao, with the overall security infrastructure for the Games. The Center will host the Olympic Sailing events and will be used as a marina following the Games.
	Network system	Safety and security	National Indoor Stadium	The 10,000 square meter National Indoor Stadium will host Gymnastics, Trampoline, and Handball during the Olympic Games. GE has provided integrated security systems for the facility, handling monitoring, anti-intrusion and alarms. In addition, GE has installed its SYMSECURE digital monitoring system, the first time this system has been used in Asia.
	Monitoring system; intrusion	Safety and security	China Agricultural University Gymnasium	Located at China Agricultural University, the 8,000 seat gymnasium will be the site for the Olympic Wrestling events. GE is providing network security and monitoring systems to ensure safety during the Games.
	Monitoring system; intrusion	Safety and security	Peking University Gymnasium	The Peking University Gymnasium will host the Olympic Table Tennis competitions. Following the Games, the gymnasium will be used for a variety of sports competitions.
	Monitoring system; intrusion	Safety and security	Beijing University of Technology Gymnasium	Located at the Beijing University of Technology, the gymnasium will host the Badminton and Rhythmic Gymnastics events during the Games.
	Monitoring system; intrusion	Safety and security	Beihang University Gymnasium	The Beihang University Gymnasium has been chosen as the location for the Olympic Weightlifting events.
	Monitoring system	Safety and security	Olympic Green Tennis Center	GE is providing network security systems for the Olympic Green Tennis Center.

Category	Product Description	Application	Location	Details
Security Equipment and Systems	Monitoring system	Safety and security	Olympic Green	GE is providing the fire alarm system for the Olympic Central area tunnel and core area basement.
	Monitoring system; intrusion	Safety and security	Workers' Stadium	GE network security solutions are being installed in Beijing's historic Workers' Stadium, which is being modernized to host the majority of the Olympic Soccer matches.
	Monitoring system; intrusion	Safety and security	Workers' Gymnasium	Located in Beijing's Chaoyang district, the Workers' Gymnasium will host Olympic Boxing matches.
	Monitoring system; intrusion	Safety and security	China Customs Homeland	GE is supplying its Itemiser 3 explosion detection system for China Customs Homeland.
	Monitoring system; intrusion	Safety and security	CCTV New Site	GE is supplying security network solution equipment for access to the new CCTV headquarters in Beijing's central business district.
	Monitoring system; intrusion	Safety and security	Digital Beijing Plaza	GE is supplying network solutions for Digital BJ Plaza.
	Monitoring system; intrusion	Safety and security	Shenyang Wulihe Olympic Sport Center	GE is supplying network solutions for the Shenyang Wulihe Olympic Sport Center.
	Monitoring system; intrusion	Safety and security	Shunyi Olympic Rowing-Canoeing Park	GE is supplying network solutions for the Shunyi Olympic Rowing-Canoeing Park.
Energy Distribution Systems	Switchgear; transformers	Power distribution	Beijing Shooting Range Hall	GE is supplying the Beijing Shooting Range Hall with a wide range of industry-leading products, including middle and low voltage switchgears, transformers and power distribution equipment. The venue will host the Olympic and Paralympic Shooting events.
	Switchgear	Power distribution	National Stadium	The National Stadium ("Bird's Nest") is the centerpiece of the four national Olympic venues. It will host the Opening and Closing Ceremonies, as well as Athletics and Soccer events. GE provided middle and low voltage switchgear to the stadium.
	Switchgear; transformers	Power distribution	Laoshan Velodrome	GE supplied the Laoshan Velodrome, the new Track Cycling venue, with switchgear and transformer products.
	Switchgear; transformers	Power distribution	National Convention Center	The National Convention Center is a large complex at the Olympic Green, which includes the International Broadcasting Center (IBC) and Main Press Center (MPC). GE has provided complete power distribution solutions to this venue.

Category	Product Description	Application	Location	Details
	Switchgear; transformers	Power distribution	Beijing Power Supply Bureau	GE is engaged in various ongoing projects, working with the Beijing Power Supply Bureau to upgrade and build new energy solutions for the Games.
	Components; UPS	Power distribution	Olympic Digital Beijing Plaza	GE is supplying a variety of products to ensure the stability of electricity transmission at the Olympic Digital Beijing Plaza. The Olympic Digital Beijing Plaza is the information center in the Olympic Central Area that provides technology support during the games.
	Transformers	Power distribution	Xiehe Hospital	GE is providing transformer products for the Xiehe Hospital, which will provide services to Olympic officials during the Games.
	Switchgear	Power distribution	China- Japan Friendship Hospital	The China-Japan Friendship Hospital has been reserved for the exclusive use of athletes and coaches during the Games. GE has upgraded the hospital's energy solutions with new switchgear and transformer products.
	Substation	Power distribution	Olympic Overlay Power Control project	GE has cooperated with China State Power Grid, in order to provide 72 turnkey electrical substations at more than 50 sites for the Olympic Games,
	Transformers; high-voltage switchgear Busway	Power distribution	Shangri-La Hotel	The Shangri-La hotel, a premier business hotel adjacent to the Olympic Green, will be home to many VIP guests during the Games.
	UPS	Power distribution	Xinhua News Agency	Xinhua News Agency is the world's largest news organization, with bureaus in more than 100 countries throughout the world. GE is providing uninterruptible power suppliers (UPS) for the construction taking place on Xinhua's facility in Beijing.
	Switchgear	Power distribution	Qingdao International Sailing Center	Located in the city of Qingdao, the International Sailing Center will host the Olympic Sailing events and will be converted into a marina following the Games.
	SJV Equipment	Power distribution	Beijing Power Supply Bureau	GE is providing substations and street lighting for the Beijing Power Supply Bureau.
	Components/ Multi-line/UPS	Power distribution	Beijing Subway Lines 4 and 5	GE is supplying a variety of products to ensure stable electricity transmission to Beijing Subway Lines 4 and 5.
	UPS	Power distribution	Beijing Capital International Airport	GE is providing UPS systems and service for the Terminal 3 Explosive Detection Systems (EDS), Phase II and VIP Building.
Energy Power Generation Systems	Turbine power generators	Power generation	Beijing Taiyanggong Power Plant for the Olympic Central Area	Two GE 9FA gas turbine power generators have been installed in the Beijing Taiyanggong Power Plant. The plant will provide electricity to the Olympic Central Area. GE's natural gas-powered turbines are cleaner and have significant advantages over traditional coal systems.

Category	Product Description	Application	Location	Details
	Tri-generation units	Power generation	Jing Hui Garden Hotel	Two GE Jenbacher Tri-generation units have been installed at the Jing Hui Garden Hotel, a 14-storey hotel and conference center which will host media during the Games. The Jenbacher natural gas-operated tri-generation unit utilizes electrical power as well as thermal energy for heating (in winter) and cooling (in summer). The tri-generation units are highly efficient and use natural gas, a cleaner energy alternative.
	Wind turbines	Power generation	Zhangbei Wind Farm/Shangyi Project	GE is supplying wind turbines for the Zhangbei and Shangyi wind farms north of Beijing, which will connect to the North China Grid to supply power for Beijing during the Olympics. They can generate nearly 180 megawatts of green power and eliminate up to 18.3 million tons of greenhouse gases.
Lighting Fixtures and Systems	LED lights	Venue lighting	BOCOG Building	The BOCOG Building is the signature building in the run up to the Games. GE LED lighting is being used to illuminate the building and its Beijing 2008 Olympic Games logo. GE LED lights are more energy efficient and longer lasting than conventional lighting.
	Lighting solutions	General lighting	National Stadium	The National Stadium ("Bird's Nest") is the centerpiece of the four national Olympic venues. It will host the Opening and Closing Ceremonies, as well as Athletics and Soccer events.
	Lighting solutions	Flood lighting	National Stadium	GE is providing flood lighting for the field area and the entrance of the National Stadium.
	Lighting solutions	Sport lighting	National Aquatics Center	The National Aquatics Center, the state-of-the-art swimming center known as the "Water Cube", presented unique design challenges for sport lighting designers. GE's sport lighting brings television studio-quality lighting to the stadium.
	Lighting solutions	Road lighting	West Second Ring Road, Sanyuan Bridge, Jingcheng Highway	GE is providing lighting solutions to the West Second Ring Road, Sanyuan Bridge and Jingcheng Highway. These lighting solutions will be used as route guides by Olympic delegations as well as spectator buses, regular bus services, emergency vehicles and taxis during the Games.
	Solar-powered LED street lighting fixtures; and field lighting	Venue lighting	Fengtai Softball Field	GE has supplied its environmentally sound solar-powered LED street lighting fixtures and field lighting to Fengtai Softball Field, the site of the World Softball Championships.
	Lighting solutions	Sport lighting	National Indoor Stadium	Located at the Olympic Green, the National Indoor Stadium will host Gymnastics, Trampoline and Handball events during the Olympic Games. After the Games, it will hold sports, cultural and entertainment events and serve as a multi-functional sports center for local residents.

Category	Product Description	Application	Location	Details
	Lighting solutions	Indoor lighting	National Convention Center Hotel	GE is providing indoor lighting (lamp/ballast) for convention center hotel, an affiliated infrastructure to National Convention Center,
	Lighting solutions	Sport lighting	Olympic Green Tennis Center	Located at the Olympic Green, the Tennis Center will hold tennis events during the Games
	Lighting solutions	Street lighting/ Landscape lighting	Olympic Green	29 streets in Olympic Green are all installed with GE Olympia street lighting and GE is providing landscape lighting (Lamp / ballast) for Olympic Central area.
	Lighting solutions	Sport lighting	Beach Volleyball Ground	Located at Chaoyang Park, the venue will host Beach Volleyball events during the Games.
	Lighting solutions	Sport lighting	Olympic Sports Center Stadium	Located at the southern end of the Olympic Sports Center, the Olympic Sports Center Stadium, which seats 40,000 people, will host Soccer and Modern Pentathlon events during the Games.
	Lighting solutions	General lighting, indoor lighting	Beijing Shooting Range Hall	The Beijing Shooting Range Hall will host Shooting events during the Games and was the first all-new construction project to be completed in Beijing for use as an Olympic venue.
	Lighting solutions	General lighting, indoor lighting	Beijing Capital International Airport	GE is supplying lighting systems for the VIP apron, flight aid, T3 GTC, T3 Demo Room, and the Airbus A380 hangar—the largest aircraft maintenance hangar in Asia.
	Lighting solutions	Indoor lighting	Beijing Financial Street	GE is providing indoor lighting for Financial Street.
	Lighting solutions	Indoor/ outdoor lighting	Wukesong Baseball Field/ Wukesong Indoor Stadium	The more than 200 thousand square meter Wukesong Sports and Culture Center houses several major venues for Olympic events. GE is providing lighting solutions for the swimming pool, and all indoor lighting, excluding basketball court.
Water Treatment Facilities and Services	Advanced immersed ultra filtration membrane system	Waste water treatment	Qinghe River	The Qinghe Waste Water Recycling Project is an ideal application of GE's advanced membrane technology, ensuring improved waste water treatment capability. The project can process 80,000 cubic meters of waste water a day, which will be recycled for landscaping purposes during the Games. GE's membrane technology is a highly reliable method for recycling water, and with its advantages of lower cost, non-chemical treatment and superior water quality, it will be useful in solving Beijing's water shortage issues. It has achieved impressive results since its completion in September 2006 and is producing recycled water that meets national water safety standards.
	Nanofiltration membrane	Rainwater recycling	National Stadium	GE is providing the National Stadium with Zeeweed nanofiltration

Category	Product Description	Application	Location	Details
	rainwater recycling and core technologies			membrane rainwater recycling and core technologies. The system recycles rainwater for the stadium, which is six times the size of a football pitch, using underground pools that can process up to 100 tons of rainwater per hour, 80 tons of which can be re-used for landscaping, fire-fighting, and cleaning—a direct way to lower the stadium’s water consumption. The National Stadium Rainwater Recycling Project is China’s first-ever implementation of this system and meets the most stringent international standards for water recycling.
	Ultrafiltration membrane water treatment technologies	Drinking water treatment	National Stadium	The National Stadium uses GE’s Zeeweed ultrafiltration membrane water treatment technologies. The system can provide up to 16 tons of safe drinking water per hour. The quality of the purified water meets the latest national standards. These technologies stand out from competitors’ for their environmentally sound features, energy-efficiency and reliability. They are also easy to maintain and boast lower overall costs.
	Reverse osmosis membrane technologies	Water recycling	Tangshan Nanpu Waste Water Reclamation Project	GE is providing reverse osmosis membrane technologies for the Tangshan Nanpu Waste Water Reclamation Project.
Polyclinic Facilities and Services	Mac1200 ECG equipment and ECG services	Health Care treatment	Olympic Emergency Medical Project	BOCOG has purchased 20 GE Mac1200 electrocardiogram (ECG) units and will lease an additional 288 GE Mac1200s for Games-related uses. GE is providing its ECG units and accompanying service to a total of 170 Olympic-related competitions, including the 2008 Beijing Olympics, Paralympics and “Good Luck Beijing” test events.

###