Table. Selected high-temperature superconductor utility projects in the United States, Europe, and Asia.

Location	Columbus, OH	Albany, NY	Long Island, NY	Boxberg, Germany	I'cheon City, South Korea	Bayin City, China
Purpose	Connection within a substation	Connect two substations	Connect substation to grid/ Upgrade includes replacing one of three 1G cables with 2G	1G Fault-current-limiter/ Upgraded to 2G	Connection with a substation	Integrated substation (HTS power cable, transformer, fault-current limiter, and magnetic storage
Status	Installed and operating	Decommissioned	Installed and operating/ Upgrade to be installed	Installed and operating	Installed and operating	Installed and operating
In-grid start date	September 2006	July 2006	April 2008/ Upgrade 2012	September 2008/ Upgrade January 2012	September 2011	February 2011
End date	No scheduled termination date	April 2008	LIPA plans to operate system indefinitely	Not available	Not available	Not available
Host utility	American Electric Power	National grid	Long Island Power Authority	Vattenvall Europe Generation	KEPCO	Baiyin Municipal State Assets Supervising and Administration Committee
Developer	Southwire	SuperPower	AMSC	Nexans Superconductors	Korea Electric Power Research Institute/LS Cable and System	Institute of Electrical Engineering (Chinese Academy of Sciences)
Conductor/ Supplier	1G/AMSC	1G, partially upgraded to 2G/ SuperPower	1G, upgraded to 2G/AMSC	1G, upgraded to 2G/Nexans Superconductors	2G/AMSC	1G/AMSC
Cable	Southwire	Sumitomo Electric	Nexans SuperConductors	Nexans SuperConductors	LS Cable and System	Changtong Power Cable Company

Source: Adapted from EPRI Report 1021890, "Superconducting Power Equipment: Technology Watch 2011," December 2011.