

# PROJECT HISTORY



Project	Owner	Location	Time Period	NSSS Supplier	Scope
EPR Olkiluoto 3	Teollisuuden Voima Oy	Finland	2008-2009	AREVA 1600 MW / PWR	RPV Closure Head insulation
NPP Angra I	Electronuclear	Brazil	2008-2009	Westinghouse 600 MW/PWR	Cassette insulation (MW) for primary and secondary cooling circuit
NPP Gosgen	Kernkraftwerk Gosgen-Daniken	Switzerland	2008	SIEMENS 1300 MW I PWR	Cassette insulation (MW) for primary cooling pumps
SUNPP South Ukraine	NAEG Energoatom	South Ukraine	2007	WWER 1000	Mattress insulation for primary circuit and ECCS system
NPP Gundremmingen	RWE	Germany	2007	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for pipelines
NPP Brunsbüttel	HEW Hamburgische Electricitäts-Werke AG	Germany	2007	SIEMENS 770 MW / BWR	Cassette insulation (MW) for RPV
NPP Brokdorf	E-ON	Germany	2007	SIEMENS 1300 MW / PWR	Oil protective cover for Main circulation pumps
NPP Krummel	Vattenfall E-ON	Germany	2007	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for valves
NPP Leibstadt	Kernkraftwerk Leibstadt AG	Switzerland	2006	GE/SWR	Cassette insulation (MW) for steam tunnel
NPP Gundremmingen	RWE	Germany	2006	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for pipelines
NPP Gundremmingen	RWE	Germany	2005	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for pipelines
NPP Beznau, Unit 2	NOK Nordost-Schweizerische Kraftwerke AG	Switzerland	2005	Westinghouse 350 MW / PWR	Cassette insulation (RI) for reactor vessel bottom
NPP Beznau, Unit 1	NOK Nordost-Schweizerische Kraftwerke AG	Switzerland	2005	Westinghouse 350 MW / PWR	Cassette insulation (RI) for reactor vessel bottom
NPP Gosgen	Kernkraftwerk Gosgen-Daniken	Switzerland	2005	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for pressurizer, surge line and pressurizer valve station
NPP Tian Wan Unit 2	Jiangsu Nuclear Power Corporation (JNPC)	China	2004-2005	WWER 1000	Cassette insulation (MW) for primary circuit and ECCS system
NPP Tian Wan Unit 1	Jiangsu Nuclear Power Corporation (JNPC)	China	2004-2005	WWER 1000	Cassette insulation (MW) for primary circuit and ECCS system
NPP Beznau, Unit 1	NOK Nordost-Schweizerische Kraftwerke AG	Switzerland	2003	Westinghouse 350 MW / PWR	Fire protection for cable penetrations
NPP Brokdorf	E-ON	Germany	2003	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for pressurizer system
NPP Grohnde	E-ON	Germany	2003	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for steam generator
NPP Gundremmingen	RWE	Germany	2003	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for valves
NPP Leibstadt	Kernkraftwerk Leibstadt AG	Switzerland	2002	GE/SWR	Cassette insulation (MW) for steam tunnel
NPP Beznau	NOK Nordost-Schweizerische Kraftwerke AG	Switzerland	2002	Westinghouse 350 MW / PWR	Cassette insulation (MW) for steam generator bottoms
NPP Gundremmingen	Bayernwerke AG RWE	Germany	2002	SIEMENS 1300 MW / BWR	Cassette insulation (MW) for valves
NPP Gosgen	Kernkraftwerk G6sgen-Daniken	Switzerland	2001	SIEMENS 1300 MW / PWR	Mattress insulation for valves
NPP Beznau, Unit 2	NOK Nordost-Schweizerische Kraftwerke AG	Switzerland	2000-2002	Westinghouse 350 MW / PWR	Fire protection for cable penetrations
NPP Stade	PreussenElektra	Germany	2001	SIEMENS 630 MW / PWR	Cassette insulation (MW) / Insulation of reactor head
NPP Angra I	Electronuclear	Brazil	2000-2001	Westinghouse 600 MW / PWR	Cassette insulation (MW) for primary cooling circuit
Research Reactor	Nuclep Brazil	Brazil	1999-2001		Cassette insulation (RI) for reactor pressurizer vessel
NPP Grohnde	PreussenElektra	Germany	1998-2002	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for steam generator and pressurizer system
NPP Beznau	NOK Nordost-Schweizerische Kraftwerke AG	Switzerland	1998-1999	Westinghouse 350 MW / PWR	Cassette insulation (MW) for new steam generators
NPP Forsmark 3	Forsmark Kraftgrupp	Sweden	1998-1999		Cassette insulation (RI)
NPP Barseback 2	Barseback Kraft AB	Sweden	1998	ASEA-Atom	Cassette insulation (RI) for auxiliary systems
NPP Stade	PreussenElektra	Germany	1998	SIEMENS 630 MW / PWR	Cassette insulation
NPP Brunsbüttel	HEW Hamburgische Electricitäts-Werke AG	Germany	1998	SIEMENS 770 MW / BWR	Thermal insulation
NPP Angra II	Electronuclear	Brazil	1997-1999	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for primary cooling circuit
NPP Leibstadt	Kernkraftwerk Leibstadt AG	Switzerland	1997-2001	GE 900 MW I BWR	Cassette insulation (MW) for processing system, maintenance and renewing of existing conventional and mattress type insulation, exchange against cassette insulation (MW)
NPP Unterweser	PreussenElektra	Germany	1997	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for auxiliary piping
NPP Unterweser	PreussenElektra	Germany	1996-1998	SIEMENS 1300 MW / PWR	Fire protection for air ducts and pipe- and cable penetrations
NPP Gundremmingen	Bayernwerke AG RWE	Germany	1996-2001	SIEMENS 1300 MW / BWR	Renewing of existing conventional insulation, exchange against cassette insulation (MW)
NPP TVO 1 & 2 Olkiluoto	Teollisuuden voima Oy	Finland	1996-1997	ASEA Atom 700 MW / BWR	Mattress insulation NGI-type 2 for pipes and valves
NPP Borssele	EPZ	Netherlands	1996-1997	SIEMENS 480 MW / PDR	Cassette insulation (MW) for pressurizer system
NPP Ringhals	St. Vattenfall	Sweden	1995-1996	Westinghouse 800 MW / PWR	Cassette insulation (RI) for main steam valves
NPP Unterweser	Preussen Elektra	Germany	1994-1995	SIEMENS 1300 MW / PWR	Cassette insulation (MW) and mattress insulation (MW) for spray pipes

NPP Doel 3	EBES, Inter com, UNERG	Belgium	1993		Re-insulation of steam generators and primary cooling pipes after SG-exchange
NPP Unterweser	Preussen Elektra	Germany	1992-1994	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for pressurizer-system and vessels
NPP Stade	PreussenElektra	Germany	1989-2001	SIEMENS 630 MW / PWR	Exchange of existing conventional and mattress type insulation against cassette insulation (MW) on steam generators. Pressurizer and reactor coolant system
NPP Ringhals	St. Vattenfall	Sweden	1989-1990	Westinghouse 800 MW / PWR	Renewing of thermal insulation of steam generators and reactor cooling pipes with mattress insulation NGI-type 2 after SG-exchange
NPP BrunsbOttel	HEW Hamburgische Electricitats-Werke AG	Germany	1988-1998	SIEMENS 770 MW / BWR	Cassette insulation (MW) for vessels, valves, pre-heaters and pipes
NPP Emsland	VEW Vereinigte Elektrizitatswerke Westfalen	Germany	1986-1996	SIEMENS 1300 MW / PWR	Cassette insulation (RI) for RPV cassette insulation (MW) for reactor cooling system and pressurizer system
NPP Unterweser	PreussenElektra	Germany	1985-1992	SIEMENS 1300 MW / PWR	Cassette insulation (MW), renewing of existing conventional insulation and exchange against cassette insulation (MW)
NPP Brokdorf	PreussenElektra	Germany	1985-1986	SIEMENS 1300 MW / PWR	Cassette insulation (RI) for reactor pressure vessel; Cassette insulation (MW) for reactor cooling systems, auxiliary systems and processing pipes; Fire- and radiation protection for pipe- and cable penetrations
NPP MOlheim Karlich	RWE Rheinisch Westfalische Elektrizitatswerke	Germany	1985-1986		Cassette insulation (MW) for auxiliary and processing piping and vessels
NPP Tihange 2 + 3	EBES / Inter com / UNERG	Belgium	1984	Framatome 900 MW / PWR	Cassette insulation (MW) for steam- and feed-water pipes, processing systems
NPP Gundremmingen	Bayernwerke AG RWE	Germany	1983-1985	SIEMENS 2 x 1240 MW / BWR	Cassette insulation (MW), for main steam and feed water system
NPP Grohnde	PreussenElektra	Germany	1983-1985	SIEMENS 1300 MW / PWR	Cassette insulation (MW) for reactor cooling system, thermal insulation conventional of piping within turbine hall
NPP Doel3	EBES / Inter com / UNERG	Belgium	1983	Framatome 900 MW / PWR	Cassette insulation (MW), for processing system and auxiliary piping
NPP Leibstadt	NOK Nordost-Schweizerische Kraftwerke AG	Switzerland	1982	GE 900 MW / BWR	Cassette insulation (MW) for processing system, maintenance and renewing of existing conventional and mattress type insulation, exchange against cassette insulation (MW)
NPP MGlheim Karlich	RWE Rheinisch Westfalische Elektrizitatswerke	Germany	1978	BBR / BBC 1200 MW / PWR	Fire- and radiation sealing of cable- and pipe penetrations
	MCE Maschinen- und Apparatebau GmbH & Co	Marinha do Brasil / Brazil	Dec 2008 / Feb 2010		Construction of new nuclear research reactor  <b>Sub-contract:</b> for Cassette type insulation of parts of primary coolant circuit
	AREVA NP GmbH	EPR Olkiuto 3 / Finland	Jan 2008 / Dec 2009		Construction of new EPR nuclear power plant  <b>Sub Contract:</b> for Cassette type insulation of RPV Closure head
	AREVA NP GmbH	EPR Flamanville 3 / France	Oct 2008 / Feb 2010		Construction of new EPR nuclear power plant  <b>Sub Contract:</b> for Cassette type insulation of RPV Closure head