

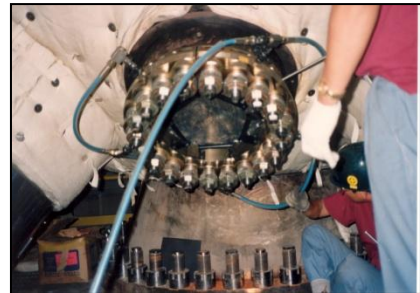


Hydratight Nuclear Projects – STEAM GENERATOR APPLICATIONS

Client - Station Name (Country)	Type and Application	Description of tooling/services	Year
PSE&G – Three Mile Island (USA)	Babcock & Wilcox Primary Manway Handhole	Multi-Stud Tensioners Load Measurement On-Site Training	2009
KHNP – Kori 1 & 2 (Korea)	Westinghouse Primary Manway Secondary Manway	Multi-Stud Tensioners Handling System	2009
KHNP – Ulchin 3 & 4 (Korea)	Doosan Primary Manway Secondary Manway	Multi-Stud Tensioners Load Measurement On-Site Training	2008
PG&E –Diablo Canyon (USA)	Westinghouse Secondary Manway	Multi-Stud Tensioners	2007
EDF – Chinon B1 (France)	Framatome Primary Manway Secondary Manway Handhole Inspection Port	Multi-Stud Tensioners Load Measurement Handling System On-Site Training	2007
First Energy – Beaver Valley (USA)	Westinghouse Primary Manway Secondary Manway	Multi-Stud Tensioners Load Measurement On-Site Training	2006
Westinghouse Nuclear – Beaver Valley (USA)	Westinghouse Handhole	Multi-Stud Tensioners	2006
Dominion - Millstone (USA)	Westinghouse Handhole	Multi-Stud Tensioners	2006
PG&E –Diablo Canyon (USA)	Westinghouse Primary Manway Handhole	Multi-Stud Tensioners Load Measurement Handling System On-Site Training	2006

EDF – Bugey 4 (France)	Framatome Primary Manway Secondary Manway Handhole Inspection Port	Multi-Stud Tensioners Load Measurement Handling System On-Site Training	2006
First Energy – Davis Besse (USA)	Babcock & Wilcox Primary Manway Handhole	Multi-Stud Tensioners Load Measurement Handling System On-Site Training	2005
Ameren/UE – Callaway (USA)	Areva Primary Manway Secondary Manway Handhole Inspection Port	Multi-Stud Tensioners Load Measurement Handling System On-Site Training	2005
NMC – Palisades (USA)	Combustion Eng. Primary Manway	Multi-Stud Tensioners On-Site Training	2005
Doosan – Watts Bar & Sequoyah (USA/Korea)	Westinghouse Primary Manway	Multi-Stud Tensioners	2005
Ameren/UE – Callaway (USA)	Areva Handhole	Multi-Stud Tensioners	2005
NMC – Prairie Island (USA)	Westinghouse Primary Manway Secondary Manway Handhole	Multi-Stud Tensioners Handling System On-Site Training	2004
Kaiga (India)	Siemens Primary Manway Secondary Manway Pressuriser Handhole	Multi-Stud Tensioners	2004
Tarapur (India)	Siemens Primary Manway Secondary Manway Pressuriser Handhole	Multi-Stud Tensioners	2004

<p>Rapp (India)</p>	<p>Siemens Primary Manway Secondary Manway Pressuriser Handhole</p>	<p>Multi-Stud Tensioners</p>	<p>2004</p>
<p>Kakrapar (India)</p>	<p>Siemens Primary Manway Secondary Manway Pressuriser Handhole</p>	<p>Multi-Stud Tensioners</p>	<p>2004</p>



Hydratight Nuclear Projects – [REACTOR APPLICATIONS](#)

Client - Station Name (Country)	Type and Application	Description of tooling/services	Year
Kewaunee	Westinghouse PWR Reactor Pressure Vessel Head Bolts	Biach QD-H tensioners and Electric Stud Drive Tools	2010
St Lucie 1 & 2	Westinghouse PWR Reactor Pressure Vessel Head Bolts	Biach RPV Tensioning System - SCT	2009
Vogtle 3 & 4	Westinghouse AP1000 Reactor Pressure Vessel Head Bolts	Biach RPV Tensioning System - SCT	2009
Sanmen & Shandong Npp	Westinghouse AP1000 Reactor Pressure Vessel Head Bolts	Biach RPV Tensioning System - SCT	2009
CFHI – Hongyanhe (China)	Areva Reactor Pressure Vessel Head Bolts	RPV Tensioning System for OEM Hydrotesting	2009
GE-Hitachi	GE-H BWR Reactor Pressure Vessel Head Bolts	Biach QD-H RPV Tensioning System + EPN Pump	2008
Doosan – Waterford (Korea/USA)	Reactor Head bolts - Hydrotest	Reactor Tensioners	2008
Doosan – ANO (Korea/USA)	Reactor Head bolts - Hydrotest	Reactor Tensioners	2008
Doosan – Palo Verde (Korea/USA)	Reactor Head bolts - Hydrotest	Reactor Tensioners	2008
Chubu – Hamaoka 5 (Japan)	Toshiba Reactor Internal Pump	Bolt Tensioners	2004
Ameren/UE – Callaway (USA)	Areva Reactor Coolant Pump	RCP Tensioners	2002
WCNOC – Wolf Creek (USA)	Westinghouse Reactor Coolant Pump	RCP Tensioners	2002

Hydratight Nuclear Projects – TURBINE APPLICATIONS

Client - Station Name (Country)	Type and Application	Description of tooling/services	Year
Kansai – Ohi 2 (Japan)	MHI HP Turbine	Turbine Tensioners	2008
Hokuriku – Shika 2 (Japan)	Hitachi LP Turbine	High Temperature Hydraulic Nuts	2008
Japan Atomic Power – Tsuruga 2 (Japan)	MHI HP & LP Turbine	Turbine Tensioners	2007
Hokkaido – Tomari 3 (Japan)	MHI HP & LP Turbine MSV & GV	Turbine & Valve Tensioners	2007
Tepco – Kashiwazak 1,2 & 3 (Japan)	Toshiba RFP-T	Bolt Tensioners	2005
Lungmen 1 & 2 (Taiwan)	MHI HP & LP Turbine MSV	Turbine & Valve Tensioners	2000

<u>YEAR</u>	<u>SITE</u>	<u>SCOPE OF WORK</u>
2004		
2004	Oconee	Machining of HPI Nozzle for Replacement
2004	Oconee	Steam Generator Pedestal Flange Facing
2004	Byron	Induction Heat Treating of piping
2004	Nine Mile	Machining for Pipe Replacement
2004	Brunswick	MSR Heat Treating
2004	Calloway	Machining for Valve Replacement
2004	Calloway	Machining for Feed Water Heater Shell Replacement
2004	Wolf Creek	Hand Hole Machining on Auxiliary Boiler
2004	Pt. Beach	Relief Valve I.D. Machining
2004	Prairie Island	Steam Generator Machining
2004	Kuoshang	Weld Overlay Removal – Machining
2004	Susquehanna	Weld Overlay Removal – Machining
2004	Three Mile Island	Weld Overlay Removal – Machining
2005		
2005	Cooper Nuclear	Check Valve Replacement – MSIV
2005	Susquehanna	Valve Replacement and Valve Repair
2005	Clinton	Expansion Bellows Replacement
2005	Limerick	Valve Replacement – Feed Water Heater Replace.
2005	Duane Arnold	MSIV Machining – Weld Overlay Machining
2005	Duane Arnold	Feed Water Heater Replacement – Valve Replace.
2005	Nine Mile	Valve Repair – Valve Replacement
2005	Pilgrim	Valve Repair – Valve Replacement
2005	Perry	Valve Internal Machining
2005	Quad Cities	Pump Internal Machining
2005	Quad Cities	SRV Valve Replacement
2005	Millstone	FAC Piping Replacement
2005	Millstone	Reactor Head Flange Removal
2005	Waterford	Pressurizer Nozzle Machining
2005	Surry	Valve Replacement
2005	Braidwood	Induction Heating of FAC Piping
2005	Byron	Induction Heating of FAC Piping
2005	Fort Calhoun	MSR Nozzle Machining
2005	Indian Point	MSR Nozzle Machining
2005	Prairie Island	Pump Flange Machining
2005	Prairie Island	Accumulator Nozzle Machining/Heat Treating
2005	Monticello	Feed Water Heater Modifications
2005	Palo Verde	Pressurizer Modifications
2005	San Onofre	Pressurizer Modifications
2005	Dresden	Service Water Piping Replacement
2005	Kuoshang–Taiwan	Weld Overlay Machining
2005	Diablo Canyon	Extraction Piping Replacement
2005	Peach Bottom	Feed Water Heater Replacement (2)
2005	3 Mile Island	Feed Water Heater Replacement (2)
2005	Farley Nuclear	Pump Internal Machining
2005	Callaway	Flange Stud Removal
2005	Point Beach	Valve Replacement
2005	Millstone	FAC Piping Replacement



Hydratight Nuclear Machining Work

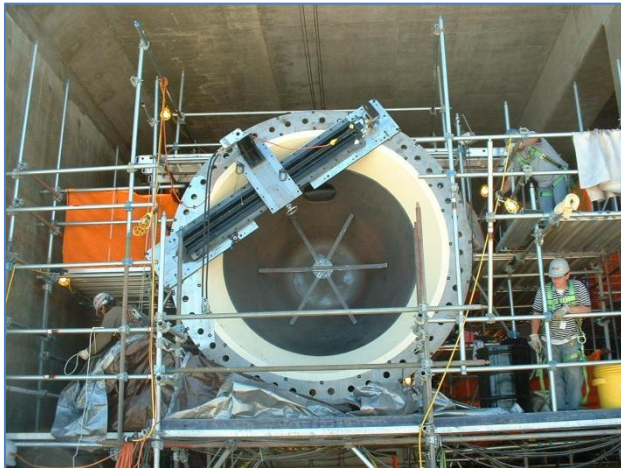
<u>YEAR</u>	<u>SITE</u>	<u>SCOPE OF WORK</u>
2006		
2006	San Onofre	Pressurizer Modifications
2006	Quad Cities	SRV Piping Modifications
2006	Quad Cities	Feed Water Heater Modifications – Valve Replacement.
2006	Limerick	Feed Water Heater Replacement (2)
2006	Limerick	Valve Replacement
2006	Braidwood	Induction Heating FAC Piping
2006	Point Beach	Valve Replacement
2006	Prairie Island	Accumulator Modifications
2006	LaSalle	Check Valve Replacement
2006	Diablo Canyon	Extraction Piping Replacement
2006	Oconee	Nozzle Safe End Replacement
2006	Oconee	Overlay Machining
2006	Susquehanna	Valve Internal Machining
2006	Fort Calhoun	Extraction Piping Replacement
2006	Fermi Nuclear	MSR Bundle Replacement
2006	Davis Besse	Main Steam Isolation Valve Machining
2006	Davis Besse	FAC Piping Replacement
2006	Sizewell B	Ultrasonic Load Measurement
2007		
2007	Susquehanna	Feed Water Heater Replacement
2007	Chin Shan	Reactor Nozzle Overlay Grinding
2007	Laguna Verde	Main Steam Isolation Valve Machining
2007	Callaway	MSIV Stud Removal
2007	South Texas	Feed Water Heater Replacement
2007	South Texas	LP Bellows Replacement
2007	South Texas	Pressurizer Nozzle Machining
2007	Duane Arnold	Weld Overlay Grinding
2007	Duane Arnold	Main Steam Isolation Valve Machining
2007	Limerick	Valve Replacement
2007	Brunswick	RHR Valve Seat Replacement
2007	Brunswick	MSIV Machining
2007	Perry	Exchanger Flange Facing
2007	Millstone	FAC Piping Replacement
2007	Bruce	Steam Generator Replacement
2007	Monticello	Stud Removal
2007	Monticello	Bolting Support



Hydratight Nuclear Machining Work

<u>YEAR</u>	<u>SITE</u>	<u>SCOPE OF WORK</u>
2008		
2008	Sizewell B	Steam Generator MST
2008	Prairie Island	Flow Element Replacement
2008	Point Beach	Pump Base Mill Work
2008	Kewaunee	Pump Base Mill Work
2008	South Texas	Feed Water Replacement, Bellows
2008	Prairie Island	Pump Base Mill Work
2008	Millstone	FAC Piping Replacement
2008	Salem	Steam Generator Replacement
2008	Bruce	Steam Generator Replacement
2008	Byron	Valve Replace – Machine/Heat Treat
2008	Susquehanna	Feed Water Heater Replacement
2008	LaSalle	Feed Water Heater Replacement
2008	Oconee	Steam Generator Level Sensing Nozzle
2008	Limerick	Valve Replacement
2008	Calloway	FAC Piping Replacement
2008	Salem	Cold Leg Grinding
2008	Salem	Feed Water Heater Replacement
2008	Hope Creek	Pressurizer Nozzle Grinding
2008	Point Beach	Feed Water Heater Replacement
2008	Grand Gulf	Nozzle Repair
2008	Fitzpatrick	Bellow and MSIV
2008	Arkansas 1	Core Flood Nozzle
2008	Peach Bottom	MSIV Machining
2008	McGuire	Outage Maintenance Support
2008	Oyster Creek	MSIV
2008	St. Lucie	Nozzle Grinding
2009		
2009	DC Cook	Turbine Rebuild
2009	DC Cook	Bellows, MSIV, FAC Piping
2009	Perry	ADHR Pipe/ MSIV
2009	Limerick	RHR Piping
2009	Nine Mile	Weld Overlay/MSIV
2009	Palisades	Overlay Nozzle
2009	Susquehanna	ADHR Valve/Filtration Pipe
2009	Fermi	FAC Piping
2009	Cofrentes	MSIV
2009	Kewanee	Charging Pump Base Milling
2009	Monticello	Bellows, RHR Piping, CARV Piping
2009	Catawba	Onsite Machining Support
2009	Oconee	Onsite Machining Support
2009	Pt Beach	FWH Replacement
2009	SONGS	Valve Replacement
2009	SONGS	SG Replacement
2009	Beaver Valley	Valve Replacement
2009	McGuire	Machining Equipment
2009	Ginna	SG Nozzle Grinding
2009	Prairie Island	Valve Boring/Modification

<u>YEAR</u>	<u>SITE</u>	<u>SCOPE OF WORK</u>
2009	Crystal River	Machining Equipment
2009	Cooper	MSIV
2009	Kewaunee	Bellows Replacement
2009	Salem	Nozzle Grinding
2009	Three Mile Island	SG Replacement
2009	Wolf Creek	FAC Piping
2009	VC Sumner	Pipe Replacement
2009	Catawba	Outage Support
2009	Oconee	Outage Support
2009	South TX Project	FAC/Bellows/MSIV
2009	Waterford	MSIV
2010		
2010	Clinton	Bellows Replacement
2010	Limerick	Flow Element Replacement
2010	Quad Cities	Bellows Replacement
2010	Quad Cities	Flow Element Replacement
2010	Point Beach	FAC, Extraction Piping
2010	Nine Mile	Feed Water Heater Replace
2010	Prairie Island	Valve Machine/Heat Treating
2010	Oconee	Machining Support
2010	St. Lucie	Main Steam Vent Drilling
2010	South TX Project	MSIV/Bellows Replace
2010	Davis Besse	FAC Piping Replace
2010	McGuire	Machining Equipment
2010	Susquehanna	Pipe Machine/Heat Treat
2010	Point Beach	Charge Pump Bases
2010	LaSalle	Check Valve Replacement
2010	Hatch	FAC Piping Replacement
2010	Millstone	Exchanger Machining/Heat
2010	Watts Bar	Pump Base Machining
2010	Watts Bar	Piping Replacement





USER	APPLICATION	
ICI Botany Bay AUSTRALIA	ST	60 MW
GEC Rooiwal SOUTH AFRICA	ST	60 MW
Hitachi JAPAN	RFP-TB	Fukushima 2F-4 & 2F-2
Hitachi JAPAN	LP	Shimane NS-1
Hitachi JAPAN	MSV	Kashiwazaki 4
Hitachi JAPAN	CV & TBV	Kashiwazaki 4
GE JAPAN	MSV	Kashiwazaki 6
Alstom Power USA	MSV	400MW
Hitachi JAPAN	CV & TBV	Kashiwazaki 5

USER	APPLICATION	
GE JAPAN	MSV	Kashiwazaki 7
Hitachi JAPAN	TBV	Kashiwazaki 4
Hitachi JAPAN	LP	Shimane NS-2
Hitachi JAPAN	RFP-TB	Fukushima 2F-2
Hitachi JAPAN	RFP-TB	Fukushima 2F-4
GE JAPAN	CV	Kashiwazaki 6
Hitachi JAPAN	LP	Kashiwazaki 6
Hitachi JAPAN	TBV	Kashiwazaki 5
GE JAPAN	CV	Kashiwazaki 7
Hitachi JAPAN	LP	Shimane NS-2