

# Dominis Engineering

Ottawa, Canada

## Integrated Turbine Manufacturing System

Monoblock Francis Turbine: →



Project name	Location	Client	Description	Year
Santeetlah	NC, USA	Voith Siemens	36 Wicket gates	2007
Shasta #4 & #5	California, USA	Alstom Canada Inc.	48 Wicket gates	2005-2007
Chute Bell	Quebec	Alstom Canada Inc.	5 Kaplan blades runner dia.: 2.4 m	2004
Huxtable Pumping Plant	Arkansas, USA	Ingersoll Dresser Pump Co.	44 pump blades pump dia.: 2.9 m	1999
Chute Bell	Quebec	Alstom Canada Inc.	10 Kaplan blades runner dia.: 2.4 m	1998
Rose Blanche	Newfoundland	VA TECH Escher Wyss Canada	2 Francis runners D2 = 663 mm	1998
Chute de la Chaudiere	Quebec	Alstom Canada Inc.	10 Kaplan blades runner dia.: 2.1 m	1998
Talbot	VA, USA	VA TECH Escher Wyss Canada	2 Francis runners D2 = 405 mm	1998
Long Sault	Ontario	VA TECH Escher Wyss Canada	20 Kaplan Blades runner dia.: 2.6 m	1997
Big Eddy	Ontario	VA TECH Escher Wyss Canada	34 Francis blades runner dia.: 2.4 m	1995
Frankford	Ontario	VA TECH Escher Wyss Canada	16 Kaplan blades runner dia.: 1.95 m	1995
Seymour	Ontario	VA TECH Escher Wyss Canada	16 Kaplan blades runner dia.: 1.95 m	1994

### Maximum Sizes:

<b>Pelton runners:</b>	Diameter	2m
	Weight	5 tons
<b>Kaplan runner blades:</b>	Chord	2.2 m
	Span	1.7 m
	Weight	2 tons
<b>Francis runner monoblock:</b>	Diameter	1.5 m
	Weight	3 tons
<b>Francis runner blades:</b>	Length	2 m
	Width	1.5 m
	Weight	2 tons
<b>Wicket gates:</b>	Length	2 m
	Paddle Width	1 m
	Weight	1 ton

*Turbines True to Design*