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## The MINAMI - FUKUMITSU HVDC System

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<b>Interconnection between</b>	Minami, Chubu	Fukumitsu, Hokuriku
<b>AC System Frequency</b>		
<b>AC System Voltage</b>	500 kV	500 kV
<b>Power Co.</b>		
<b>Manufacturer</b>		
<b>Commissioned</b>	March 1999	
<b>Main Purpose</b>	*Asynchronous link to avoid loop power flow between Hokuriku, Kansai and Chubu Electric Power Systems	
<b>Main data</b>	Rated DC Power : 300 MW  DC Voltage : 125 kV  DC Current : 240 A	
<b>A.C. Networks</b>		
<b>HVDC System</b>		
<b>Submarine Cable</b>	N.A.	
<b>Electrodes</b>		

A.C. Filters																																																											
	Connected to 77 kV Filter Busbar :					Connected to 66 kV Filter Busbar :																																																					
	<table><tr><td>Harm</td><td>MVAr</td><td>C=μF</td><td>L=mH</td><td>R=Ω</td></tr><tr><td>5</td><td>60</td><td></td><td></td><td></td></tr><tr><td>11</td><td>60</td><td></td><td></td><td></td></tr><tr><td>13</td><td>60</td><td></td><td></td><td></td></tr><tr><td>HP</td><td>60</td><td></td><td></td><td></td></tr></table>	Harm	MVAr	C=μF	L=mH	R=Ω	5	60				11	60				13	60				HP	60				1 x 77 kV 60 MVAr Shunt Reactor				<table><tr><td>Harm</td><td>MVAr</td><td>C=μF</td><td>L=mH</td><td>R=Ω</td></tr><tr><td>5</td><td>60</td><td></td><td></td><td></td></tr><tr><td>11</td><td>60</td><td></td><td></td><td></td></tr><tr><td>13</td><td>60</td><td></td><td></td><td></td></tr><tr><td>HP</td><td>60</td><td></td><td></td><td></td></tr></table>	Harm	MVAr	C=μF	L=mH	R=Ω	5	60				11	60				13	60				HP	60				1 x 66 kV 60 MVAr Shunt Reactor		
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Valve Cooling																																																											
D.C. Reactor																																																											
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System correspondent																																																											

