

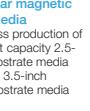
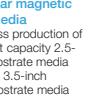
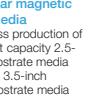
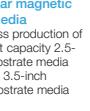
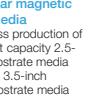
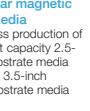
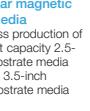
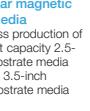
# History

Fuji Electric continues to evolve in step with the times and with society, with technology as our driving force.

## Corporate History

<b>1923</b>	<ul style="list-style-type: none"> <li>■ Fuji Electric Manufacturing Co., Ltd. established Established as a capital and technology alliance between Japan Furukawa Electric Co., Ltd. and German Siemens AG. The result is a company with characteristics inherited from industry in both countries.</li> </ul>	
<b>1935</b>	<ul style="list-style-type: none"> <li>■ Established Fuji Tsushinkai Manufacturing Co., Ltd. (present Fujitsu Limited) by spinning off the Telephone Department</li> </ul>	
<b>1942</b>	<ul style="list-style-type: none"> <li>■ Started operation of the Matsumoto factory</li> </ul>	
<b>1943</b>	<ul style="list-style-type: none"> <li>■ Started operation of the Fukui and Toyoda factories</li> </ul>	
<b>1944</b>	<ul style="list-style-type: none"> <li>■ Started operation of the Mie factory</li> </ul>	
<b>1961</b>	<ul style="list-style-type: none"> <li>■ Started operation of the Chiba factory</li> </ul>	
<b>1968</b>	<ul style="list-style-type: none"> <li>■ Merged with Kawasaki Denki Seizo Co., Ltd. and commenced operations at the Kobe and Suzuki factories</li> </ul>	
<b>1973</b>	<ul style="list-style-type: none"> <li>■ Started operation of the Otawara factory</li> </ul>	
<b>1984</b>	<ul style="list-style-type: none"> <li>■ Started operation of the Yamanashi factory</li> </ul>	
<b>1991</b>	<ul style="list-style-type: none"> <li>■ Changed company name to Fuji Electric Co., Ltd.</li> </ul>	
<b>2002</b>	<ul style="list-style-type: none"> <li>■ Introduced company symbol mark</li> </ul>	
<b>2003</b>	<ul style="list-style-type: none"> <li>■ Changed name owing to shift to pure holding company system to Fuji Electric Holdings Co., Ltd.</li> </ul>	
<b>2008</b>	<ul style="list-style-type: none"> <li>■ Established METAWATER Co., Ltd. (joint venture with NGK Insulators, Ltd.)</li> </ul>	
<b>2011</b>	<ul style="list-style-type: none"> <li>■ Established company name to Fuji Electric Co., Ltd.</li> </ul>	
<b>2012</b>	<ul style="list-style-type: none"> <li>■ Established GE Fuji Meter Co., Ltd. (joint venture with General Electric)</li> </ul>	
		<b>Innovating Energy Technology</b>

## 1920–1970

<b>1924</b>	<ul style="list-style-type: none"> <li>■ Started manufacturing electrical machinery</li> </ul>		<b>1954</b>	<ul style="list-style-type: none"> <li>■ Started ultra-compact magnetic switch production</li> </ul>		<b>1961</b>	<ul style="list-style-type: none"> <li>■ Full-scale foray into thermal power plant business</li> </ul>	<p>Signed a contract with Siemens AG for technology transfer of the steam turbine manufacturing. Subsequently delivered the first super-critical, variable pressure turbine in Japan, which was one of the largest in the country at the time. This move to import European technology marked a change of tack in a domestic power generation market dominated by US technology.</p>	<b>1971</b>	<ul style="list-style-type: none"> <li>■ Developed centralized monitoring and control systems for power utility companies</li> </ul>	<p>First computerized control system in Japan, using the FACOM-R mini-computer</p>	<b>1981</b>	<ul style="list-style-type: none"> <li>■ Developed and commenced manufacture of electric propulsion system for ice-breaking ship Shirase</li> </ul>		<b>1991</b>	<ul style="list-style-type: none"> <li>■ Developed 2.5-inch magnetic disks</li> </ul>	
<b>1925</b>	<ul style="list-style-type: none"> <li>■ Started transformer production</li> </ul>		<b>1955</b>	<ul style="list-style-type: none"> <li>■ Began volume production of selenium rectifiers</li> </ul>		<b>1973</b>	<ul style="list-style-type: none"> <li>■ Began production of selenium photoconductive drums</li> </ul>		<b>1985</b>	<ul style="list-style-type: none"> <li>■ 1st generation mini UPS "M-UPS Series" launched</li> </ul>		<b>1992</b>	<ul style="list-style-type: none"> <li>■ Began development of solar cells formed on film substrates</li> </ul>				
<b>1927</b>	<ul style="list-style-type: none"> <li>■ Began electric fan production</li> </ul>		<b>1959</b>	<ul style="list-style-type: none"> <li>■ Began manufacturing silicon diodes</li> </ul>		<b>1976</b>	<ul style="list-style-type: none"> <li>■ Started manufacturing general-purpose inverters</li> </ul>	<p>First in the industry to develop general-purpose inverters. Led the market in creating smaller, more responsive and functional components, resulting in their adoption in a range of fields due to their energy-saving characteristics.</p>	<b>1987</b>	<ul style="list-style-type: none"> <li>■ Released the programmable logic controller "MICREX-F Series"</li> </ul>		<b>1993</b>	<ul style="list-style-type: none"> <li>■ Delivered the first generator (600MW output) of Noshiro Power Station</li> </ul>				
<b>1930</b>	<ul style="list-style-type: none"> <li>■ Launched mercury-vapor rectifier production</li> </ul>		<b>1965</b>	<ul style="list-style-type: none"> <li>■ Electric propulsion system fitted to Antarctic exploration ship Fuji</li> </ul>		<b>1969</b>	<ul style="list-style-type: none"> <li>■ Began production of vending machines</li> </ul>	<p>Used know-how as a vendor of refrigerated milk showcases to move into vending machines. Delivered 230 beverage vending machines to the 1970 Osaka World Exposition, prompting the wider spread of domestically made vending machines.</p>	<b>1978</b>	<ul style="list-style-type: none"> <li>■ Developed transistor inverter FRENIC 5000G</li> </ul>		<b>1996</b>	<ul style="list-style-type: none"> <li>■ Won order for IGBT main conversion devices used in electric railways (world's first large-capacity flat IGBT)</li> </ul>				
<b>1933</b>	<ul style="list-style-type: none"> <li>■ Started expansion circuit breaker production</li> </ul>		<b>1955</b>	<ul style="list-style-type: none"> <li>■ Started manufacturing juicers</li> </ul>		<b>1969</b>	<ul style="list-style-type: none"> <li>■ Began production of vending machines</li> </ul>	<p>Used know-how as a vendor of refrigerated milk showcases to move into vending machines. Delivered 230 beverage vending machines to the 1970 Osaka World Exposition, prompting the wider spread of domestically made vending machines.</p>	<b>1997</b>	<ul style="list-style-type: none"> <li>■ New mini-UPS "J-Series" launched</li> </ul>		<b>1998</b>	<ul style="list-style-type: none"> <li>■ Delivered 100kW phosphoric acid fuel cell</li> </ul>				
<b>1936</b>	<ul style="list-style-type: none"> <li>■ Built its first hydraulic turbine, 4,850HP Francis Turbine</li> </ul>		<b>1969</b>	<ul style="list-style-type: none"> <li>■ Developed transistor inverter FRENIC 5000G</li> </ul>		<b>1978</b>	<ul style="list-style-type: none"> <li>■ Began research into amorphous solar cells</li> </ul>		<b>1999</b>	<ul style="list-style-type: none"> <li>■ High-voltage drop/dip compensator using a lithium-ion capacitor released.</li> </ul>							
<b>1937</b>	<ul style="list-style-type: none"> <li>■ Began watt-hour meter production</li> </ul>		<b>1969</b>	<ul style="list-style-type: none"> <li>■ Began production of vending machines</li> </ul>		<b>1978</b>	<ul style="list-style-type: none"> <li>■ Began research into amorphous solar cells</li> </ul>		<b>2009</b>	<ul style="list-style-type: none"> <li>■ Development of next-generation SiC module power semiconductor</li> </ul>							
			<b>1978</b>	<ul style="list-style-type: none"> <li>■ Developed transistor inverter FRENIC 5000G</li> </ul>		<b>1978</b>	<ul style="list-style-type: none"> <li>■ Began research into amorphous solar cells</li> </ul>		<b>2011</b>	<ul style="list-style-type: none"> <li>■ High-Voltage Inverter with Water-Cooling System "FRENIC 4800VM5" went on sale</li> </ul>							
									<b>2012</b>	<ul style="list-style-type: none"> <li>■ Launched dedicated inverters for air-conditioning and water treatment systems, "FRENIC-HVAC" and "FRENIC-AQUA"</li> </ul>							
									<b>2014</b>	<ul style="list-style-type: none"> <li>■ Launched next-generation cold storage container, "D-BOX"</li> </ul>							

## Technology and Product History