## History of the Energy and Environment Businesses

Since its founding in 1923, Fuji Electric has continuously refined its core technologies, focusing on power semiconductors and power electronics. Over the years, we have developed and evolved products that contribute to clean energy, the stable supply of energy, energy saving, and automation.

	1923	1930	<b>1940</b> 1	1950	1960	19	970 1	980	19	990 2000	2010
Estab	lishment period			Post-war recons	truction to the h	igh-growth period	From the oil shock to the	e stable	growth period		Entering the era of the e
Expans of indu	sion of electricity demand stry	d for the moderniz	ration	Expanded demand for and railroad infrastru	or electricity stabiliz ucture and the deve	ation for building electricity lopment of industry	Expansion of energy saving demand	due to the	oil shock, expansion of automat	tion demand	Environmental measures in the environmental air pollution and
Clean energy		193 Buil Del Pov	36 It first hydraulic turbin ivered the first hydrai ver Plant (Tochigi Pre	ne, 4,850 HP Francis tu ulic turbine to the Uwan afecture)	rbine oshiro	1966 Began commercial operation of the Tokai Nuclear Power Plant (Built nuclear pressure vessels and other equipment)	1977 Received an order for our first scale geothermal power gener facility (40 MW unit for El Salvi electricity authority) 1979 Delivered Fuji Electric's first hi head, large capacity pumped s power generation facilities (the Cheongpyeong Pumped-storag Power Plant in South Korea)	full- ration ador's gh storage ge		1998 Delivered 100 kW phosphoric acid fuel cells	2010 A 140 MW geother the largest single- the world, started of Nga Awa Purua Ge Station in New Zea
		193 Beg	37 <b>e</b> Jan manufacturing wa	ratt-hour meter		1 [ (	1971 • Developed a centralized monitoring Japan's first computer control sys	g and con- stem utili-	trol system for power comp zing "FACOM-R")	anies	
Stable	Power electronics	1925 • Began manufactu Delivered our firs company	uring transformers t unit to a mining			1964 • Delivered the first large capacity transformer rectifier S-Former	1974 Commercialized cast resin power transformers				2010 ••• Supplied a microgr a demonstration ex controlling the char mitigate the fluctua
supply of ener		1930 ● Began manufac mercury rectifiers	turing vapor	1954  Began manufactu ultra-compact magnetic switche	ring s	1967 • Developed earth- leakage circuit breakers					2012 • Released PCSs solar power ger systems (equip new three-level the first comme in the world)
gу						1966 Released medium- and large- uninterruptible power systems (200 kVA)	-capacity Rele s (UPSs) UPS	2 • ased transistor is		1992 ● Developed the world's largest capacity IGBT UPS	
	1924  Began manufac electrical machi	turing nery					1976 • First in the industry to start manufacturing general-purpose inverters		1989 Released IGBT-ec inverters	quipped	2012 Developed an ir inverter equippe SBDs, a first in
Energy saving				1 C ii	958 • Jelivered Japan's fi Istrumentation sys reatment plant	irst electronic tem to a water	1976 Began manufacturing the prog controller (PLC) FUJILOG Serie 1974 Released installation-type ultrasonic flowmeter	rammable IS	1984 ● Released the PLC	MICREX-F Series	2014 • Developed an e hybrid air condi utilizes indirect (F-COOL NEO)
Automation				Power semiconductor	959 <b>o</b> Jegan manufacturii ilicon diodes	ng 🕡	1975 Began manufacturing bipolar transistors		1988 Began manufactu 1st-generation IG	uring BTs	2010 Coverage 2010 2010 2010 2010 2010 2010 2010 201
						1969 • Began manufacturing vending machines	1973 ● Released open showcases 1976 ● Released hot & cold vending n	nachines			2011 • Released hybrid he vending machines

Profile



Sustainable Vending