Schneider Electric

Schneider Electric head office in Paris

Type	*Societas Europaea*
Traded as	Euronext: SU CAC 40 Component
ISIN	FR0000121972 ✎
Industry	Electrical equipment
Predecessor	Schneider et Cie ✎
Founded	1836; 184 years ago (as Schneider & Cie) (incorporated 1981)
Founder	Eugène Schneider
Headquarters	Rueil-Malmaison, France
Area served	Worldwide
Key people	Jean-Pascal Tricoire (Chairman and CEO) Léo Apotheker (Vice-Chairman and Lead Director)[1]:6
Products	Building automation, home automation, switches and sockets, industrial safety systems, industrial control systems, electric power distribution, electrical grid

	automation, Smart Grid, critical power & cooling for datacenters
Revenue	▲€25.72 billion (2018)[2]
Operating income	▲€3.39 billion (2018)[2]
Net income	▲€2.43 billion (2018)[2]
Total assets	▲€42.25 billion (2018)[2]
Total equity	▲€22.26 billion (2018)[2]
Number of employees	155,286 (2018[2])
Subsidiaries	Luminous Power Technologies Pvt Ltd., invensys, SolveIT Software, APC, Areva T&D, BEI Technologies, Cimac, Citect, Clipsal, ELAU, Federal Pioneer, Merlin Gerin, Merten, Modicon PLC, Nu-Lec Industries, PDL Group, Power Measurement, Square D, TAC, Telemecanique, Telvent, Gutor Electronic LLC, Zicom, Summit, Xantrex
Website	se.com
Footnotes / references	
[2]	

Schneider Electric SE is a French multinational corporation specializing in electrical equipment that is headquartered in Rueil-Malmaison, France. It is also based at the World Trade Center of Grenoble.

Schneider Electric is a Fortune Global 500 company, publicly traded on the Euronext Exchange, and is a component of the Euro Stoxx 50 stock market index.[3] In FY2018, the company posted revenues of €25.72 billion.[4]

Schneider Electric is the parent company of Square D, APC and others. It is also a research company, investing EUR10 billion in innovation and R&D for sustainable development between 2015 and 2025.[5] The company holds 20,000 patents either active or in application worldwide and invests 5% of its annual revenue in Research and Development.[6]

The company began in 1836 as Schneider & Cie. It was ultimately renamed Schneider Electric in May 1999.

Contents

Head office

Schneider Electric head office in Rueil-Malmaison, France.

Schneider Electric has had its head office in the Trianon site in Rueil-Malmaison, France since 2000.[7] The current headquarters, also located in Rueil-Malmaison, previously housed Schneider subsidiary Télémécanique[8] while the parent company occupied a site in Boulogne-Billancourt.[9]

In June 2011, Schneider Electric corporate headquarters in Rueil-Malmaison was certified as complying with the new ISO 50001 standard for energy management systems. It was the first building in the world to earn such designation.[10]

History

Beginnings

The roots of this company are in the iron, steel and armaments factories of Schneider-Creusot[11] and other industrial concerns.[12]

20th Century

From 1981-1997, the company divested from steel and shipbuilding and focused mainly on [electricity](#) through strategic acquisitions.

New Focus

Schneider Electric refocused in 2010 to include software, critical power and smart grid applications through strategic acquisitions. In 2015, the company launched a brand strategy called "Life Is On" which aims to showcase the business and societal value of sustainability and efficiency.[13][14]

The emergence of the digital economy created opportunities for IoT-enabled platforms, which Schneider Electric identified as a growth opportunity.[15] In 2016, the company launched EcoStruxure, its [IoT](#)-enabled architecture.

Timeline

1836: Brothers [Adolphe](#) and [Joseph-Eugene Schneider](#) take over an abandoned foundry in Le Creusot, France and, two years later, create Schneider & Cie, focusing primarily on the steel industry. Schneider & Cie grows rapidly, specializing in the production of heavy machinery and transportation equipment, and eventually becomes the Schneider Group, a diversified conglomerate.

1975: The Schneider Group acquires an interest in Merlin Gerin, one of the top manufacturers of electrical distribution equipment in France.

1981-1997: Schneider Group re-focuses on the electrical industry by divesting its nonstrategic assets and undertakes a series of strategic acquisitions: Télémécanique[16] in 1988, Square D[17] in 1991 and Merlin Gerin[18] in 1992.

1999: Schneider Group acquires Lexel, one of Europe's largest suppliers of installation systems and control solutions.[*buzzword*] In May 1999, the Schneider Group is renamed Schneider Electric to clearly identify its expertise in the electrical field.

2010: Schneider Electric launches a €70 million [venture capital](#) fund with [Alstom](#) to create [Aster](#) and to support innovative [start-up](#)s in the fields of energy and the environment.
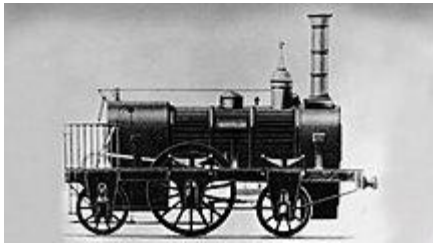
The company is an [ITER](#) supplier.

2014: Schneider Electric advertises a cooperation with German [power supplier](#) [RWE](#).[19]

2015 – 2016: Schneider Electric refocuses on IoT, sustainability and efficiency, and introduces its IoT-enabled architecture and platform, EcoStruxure.

2017: Schneider Electric takes control of AVEVA Group PLC,[20] a provider of engineering and industrial software based in the UK, folding industrial software assets into AVEVA's operations.[21]

2018 : Schneider's L&T Acquisition to Power 'Make In India' Mission[22]

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  1838: "La Gironde", the first French locomotive

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  The Schneider logo in the 1950s

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  One of the first brochures for Telemecanique industrial control products. Telemecanique was acquired by Schneider Electric in 1988.

Acquisitions

Acquisition date	Company	Business	Country	Source
1988	Télémécanique	Manufacturer of electrical circuit breakers, switchgear and sensors	France	[8]
1990	Federal Pioneer Limited	Manufacturer of electrical circuit breakers, switchgear and transformers	Canada	[23][24]
1991	Square D	Manufacturer of electrical circuit breakers, switchgear and transformers	USA	[25]
1992	Merlin Gerin	Manufacturer of electrical circuit	France	[25]

Acquisition date	Company	Business	Country	Source
		breakers and transformers		
1997	Modicon [fr]	Manufacturer of Programmable Logic Controllers (PLC)	USA	[25][*failed verification*]
2000	Crouzet Automatismes	Automation components	France	[26]
2000	Berger - Positec	Stepper / servo motors	Germany	[26]
2000	Nu-Lec Industries	Switchgear and controls	Australia	[27]
2001	PDL	Domestic and industrial electrical hardware	New Zealand	[28][29]
2002	Digital Electronics Corporation	HMI	Japan	[30]
2003	CDI Power	Power systems automation	Brazil	[31]
June 2003	TAC	Building automation and control	Sweden	[32]
December 2003	MGE UPS Systems (merged with APC in 2007)	Power supplier	France	[33]
2004	Clipsal	Wiring	Australia	[34]
March 2004	Kavlico	Pressure sensors	USA	[35]
May 2004	Andover Controls	Building automation and security	USA	[36]
May 2005	Power Measurement	Energy Management	Canada	[37]
June 2005	ABS EMEA	Building automation	UK	[38]
June 2005	Juno Lighting	Lighting	USA	[39]
July 2005	BEI Technologies	Customized sensors	USA	[40]
2006	AEM S.A.	Ultra terminal	Spain	[41]
2006	OVA Bargellini	Ultra terminal	Italy	[41]
2006	Merten	Ultra terminal	Germany	[41]
2006	Citect	SCADA and MES automation software	Australia	[42]
February 2007	APC	Power backup and protection and electrical distribution	USA	[43]
October 2007 (sold May 2019)	Pelco	Video security	USA	[44][45]
July 2009	Conzerv Systems	Power monitoring	India	[46]
July 2009	Meher Capacitors	Power factor correction	India	[47]
March 2010	Zicom Security Systems	Security systems	India	[48]
April 2010	SCADAgroup	SCADA and control systems	Australia	[49]
December 2010	Areva T&D	Transmission & distribution	Europe	[50]
2010	Andromeda	Integrated control solutions	UK	[51]

Acquisition date	Company	Business	Country	Source
March 2011	Telematics Summit Energy	Energy management	USA	[52]
April 2011	Digilink	Network connectivity products	India	[53]
May 2011	APW President Systems	Enclosure systems	India	[54]
May 2011	Luminous	Power inverters	India	[55]
June 2011	Telvent	Real-time information management systems	Spain	[56]
June 2011	Viconics Electronics	BMS products	Canada	[57]
August 2011	7-Technologies	Software for simulation and optimization of water/electricity networks and industrial processes	Denmark	[58]
December 2011	Viridity	Data center management software	USA	[59]
May 2012	M&C Energy Group	Energy procurement and sustainability services	UK	[60]
September 2012	SolveIT Software	Planning and scheduling software	Australia	[61]
January 2014	Invensys	Multinational engineering and information technology company	UK	[62]
January 2014	Eliwell	HVAC and Refrigeration controls manufacturer	Italy	[63]
January 2014	AST Modular	Prefabricated Modular Data Centers company	Spain	[64]
September 2014	InStep Software	Real-time performance management and predictive analytics software	USA	[65]
October 2015	Juno Lighting	Sells Juno	USA	[66]
July 2017	ASCO	Transfer switches, power control systems, and industrial control products	USA	[67]
September 2017	AVEVA Group	Information Technology/ Consulting group	UK	[68]
May 2018	Larsen & Toubro	Electrical & Automation business	India	[69]

Organizational structure and offer

As of 2019, Schneider Electric operates business units: Energy Management, Industrial Automation, and Services.

Energy Management

The energy management business provides installation components, software and integrated solutions for the management of energy in medium voltage and grid automation, low voltage and building automation, secure power and cooling applications. The energy management business includes five divisions: Power Systems, Power Products, Secure Power, Home and Distribution, and Digital Energy. Connected technologies, software and solutions for energy management developed by the company use advancements in the Internet of Things(IoT), mobility, sensing, cloud, analytics, and cybersecurity to reveal insights from energy data.

Industrial Automation

The fourth industrial revolution, or Industry 4.0, represents along-term growth field for Schneider Electric. The company develops discrete industrial and machine automation as well as process automation products and solutions for the industrial sector, including programmable relays, motion controllers and interface modules for simple machines to complex process systems for smart manufacturing. The company is also a provider of software for industrial automation and control. See AVEVA.[70]

Services

The Services business includes three divisions: Global Field Services, Energy and Sustainability Services, and Smart Grid Services.

Industries served

Schneider Electric's portfolio of offerings is aimed at a wide range of industries and end-markets, including:

- Automotive industry
- Banking and finance industry
- Cement industry
- Commercial real estate
- Data centers
- Electric utilities
- Food and beverage industry
- Healthcare industry
- Hospitality industry
- Marine industry
- Mining industry
- Petroleum and petrochemical industry
- Pharmaceutical industry
- Water industry

Notable offers

Altivar Process ATV6000, part of medium voltage variable speed drive products for industrial automation and control by Schneider Electric.

- Altivar Process – the first variable speed drive with embedded services on the market[71]
- Easergy T300 - compact control and monitoring solution for electrical distribution systems, winner of 2017 iF product design award[72]
- EcoStruxure ADMS – the world's leading advanced distribution management system according to Gartner[73]
- EcoStruxure Resource Advisor – award-winning enterprise energy and sustainability management software[74]
- EcoStruxure Power Monitoring Expert – supervisory software for power management applications, winner of the 2017 Plant Engineering Product of the Year Grand Award[75]
- Galaxy VX UPS – award-winning uninterruptible power supply with lithium-ion batteries[76]
- Masterpact MTZ – circuit breaker enabling integration with building and energy management systems[77]
- Modicon M580 ePAC – the first Ethernet programmable automation controller[78]
- PowerTag – the smallest wireless energy sensor[79]
- Premset – award-winning medium-voltage switchgear[80]

EcoStruxure

In 2016 Schneider Electric launched the next generation of EcoStruxure – an IoT-enabled architecture, which delivers solutions in six domains: Power, IT, Building, Machine, Plant and Grid; for four end markets: Building, Data Center, Industry and Infrastructure.[81] The EcoStruxure platform uses Microsoft Azure.

Corporate affairs

Management

Schneider Electric is a European company with a board of directors. The functions of the Chairman and the Chief Executive Officer are carried out by Jean-Pascal Tricoire, who was appointed Chairman and Chief Executive Officer on April 25, 2013.

Corporate social responsibility

The Schneider Electric brand has evolved over 180 years of operations, a result of acquisitions, divestments, and evolution of its business model to include corporate social responsibility as a core of its global brand. In 2018 and 2019, Schneider Electric was named one of the World's Most Admired Companies (Fortune).[82]

Schneider Electric's diversity and inclusion initiatives, and programs for empowering women in the workplace, have received recognitions such as the Robert W. Campbell Award in 2011 and the Green Cross for Safety Medal (2011) the highest honors of the U.S. National Safety Council.[83] In 2015, Schneider Electric joined the UN Women HeForShe, a solidarity movement to promote gender equality.[84] Most recently, Schneider Electric received the 2019 Catalyst Award[85] for advancing inclusive and empowering workplaces for women and was named to the 2018 Bloomberg Gender-Equality Index, the second year the company has received this distinction.[86]

Environmental record

Schneider Electric ranks high in sustainability among global corporations, and since 2005, the company has measured its sustainable development progress with the launch of its Planet & Society barometer,[87][88] and today, with its Schneider Sustainability Impact (SSI)report.[89] The SSI report was developed to align with United Nations (U.N.) Sustainable Development Goals (SDGs).[90] Every quarter, the company provides an update on their progressin a report audited by a third party.[91] For example, the company has generated 12% circular revenues through its and circular business models and environmental policies, which included the goal of recovering 100% of their industrial waste at 200 manufacturing sites.[92] In another example, Schneider has achieved 80% renewable electricity.[93]

Schneider Electric launched the Schneider Electric Foundation to focus on reducing the energy gap and investing in education in emerging economies, as well as increasing sustainability awareness. The group operates under the aegis of Fondation de France. As of 2017, more than 140,000 people participated in the Foundation's training programs since 2009.

Schneider Electric's programs focused on fighting climate change and promoting sustainability has received recognitions such as the "A" rating from CDP Climate for eight consecutive years.[94] In 2019, Schneider Electric was named the winner of The Circulars Award 2019 in the Multinational category by the World Economic Forum.[95] The Circulars Award is the premier circular economy awards program in the world.[96] Schneider Electric has made the Corporate Knights' "Global 100" list of the world's most sustainable corporations for seven straight years.[97]

Schneider Electric is recognized as Global Compact LEAD for sustainable development.[98] In 2018, Schneider Electric Chairman and CEO, Jean-Pascal Tricoire, was appointed to the UN Compact Global Board.[99] Schneider Electric is a signatory of the United Nations Global

Compact, a sustainability initiative.[100] In 2017, Schneider Electric joined RE100 and EP100, global collaboratives of businesses committed to 100% renewable energy.[101]

In September 2019, Schneider Electric was included on Fortune's Change the World list which celebrates companies with daring ideas which are driven from the desire to make the world better. Schneider was included for its commitment to driving a circular economy, making energy-management and automation equipment that is crucial to sustainability with equipment designed to last longer and be easily recyclable.

Paris Marathon sponsorship

Since 2013 Schneider Electric has been the official partner and the first title sponsor of the Paris Marathon, one of the most popular long-distance annual running events in Europe. In 2013, 37,000 runners generated electricity with their footsteps as they ran over energy-harvesting tiles.[102]

The Paris Marathon is known for its famed scenic landmarks along its route, including the Arc de Triomphe, Champs Elysées and the Bois de Vincennes.[103] The Paris Marathon, one of the major marathons in the world,[104] achieved a record number of participants (60,000) in 2019.[105] The Paris Marathon also achieved 100% carbon neutrality in 2019, the first time in its history.[106] Gelete Burka (women's event) and Abrha Milaw (men's event) were the winners of the 2019 Paris Marathon; both runners are from Ethiopia.[107]