



ENERGY PROJECTS
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15 Energy OEMs to Watch and Their Key Projects in North America



Alongside engineering, procurement, and construction (EPC) contractors, original equipment manufacturers (OEMs) play a key role in the development of the North American energy sector.

They manufacture the technologies underpinning sectors from liquified natural gas (LNG) export and power generation to nuclear and alternative energies.

In advance of the Energy Projects Conference & Expo NA 2026, here are 15 of the most significant OEMs in North American energy—and a selection of the projects they are involved in that are transforming the industry landscape.



ABB



Swedish-Swiss automation and electrification giant ABB has a major presence in power generation markets and has recently begun expanding its footprint into U.S. LNG.

Baker Hughes



Houston, Texas-headquartered Baker Hughes is one of the world's top oil field services providers and a major player in LNG and adjacent markets.

Project Showcase

Charbone Hydrogen agreement:

ABB is working with publicly traded green hydrogen company Charbone on the development of up to 15 modular and scalable electrolyzer plants across the U.S. and Canada over the next five years.

Argent LNG liquefaction: LNG leader Argent is relying on an integrated ABB automation and electrical infrastructure for its liquefaction facility at Port Fourchon in Louisiana, which is due to be operational by 2030.

Rio Grande LNG: ABB's first fully integrated scope on a major LNG facility, booked in 2023, was an integrated automation, electrical, and digital system for the first phase of the Rio Grande LNG plant being built by Bechtel Energy and due to go live in 2027.

Project Showcase

Rio Grande LNG: Alongside ABB's technology, NextDecade Corporation's Rio Grande LNG plant will also feature gas turbine and refrigerant compressor technology from Baker Hughes. The equipment will be used on trains four to eight, the first two of which are in commercialization.

Net Power Texas: Baker Hughes and Australian energy company Woodside are working with Net Power of Texas on the first iterations of a low-cost natural gas unit incorporating carbon capture and storage (CCS) to power LNG and oil and gas plants with minimal emissions.

Venture Global LNG: This year, Baker Hughes confirmed it was supplying a modularized LNG system and power island for Venture Global in the United States, while signing a multi-year services frame agreement to support Venture Global's Plaquemines LNG project in Louisiana.

Caterpillar



Caterpillar is best known as an iconic plant and machinery business, but also serves the energy sector through brands such as Cat, Solar Turbines, and SPM Oil and Gas, focusing on

Project Showcase

Hunt Energy power: Texan energy player Hunt has entered a long-term strategic collaboration agreement with Caterpillar that focuses on power generation systems for data centers, with a first project due to take shape in Texas.

District Energy St Paul: Caterpillar's flagship Cat machines and engines division is helping cut carbon emissions in Saint Paul, Minnesota, with a combined heat-and-power system based on a G3516 gas generator using 100% hydrogen fuel.

Linamar Corporation Power: Canadian manufacturer Linamar is benefiting from low-cost power production thanks to a dozen behind-the-meter Cat G3500 generators, implemented by Alectra Energy Solutions and activated during grid supply pricing peaks.

Chart Industries



Chart Industries' growing success with energy and industrial customers has caught the attention of executives at Baker Hughes, which in July 2025 announced it was acquiring the process technology specialist.

Project Showcase

Louisiana LNG: Chart is supplying integrated pre-cooled single mixed refrigerant (IPSMR) liquefaction technology and cold boxes for the first phase of the Louisiana LNG project owned and operated by Woodside Energy, with Bechtel Energy as EPC.

Dry Piney Helium: Blue Spruce Operating has selected Chart Industries for a helium production and carbon sequestration project that is expected to produce 80 million cubic feet per year of natural gas upon completion in Sublette County, Wyoming.

ExxonMobil agreement: Chart's involvement with ExxonMobil spans not just one project but the oil giant's entire global portfolio, following an agreement for the supply of cold boxes and IPSMR process technology

Cummins



U.S. engine maker Cummins has established a growing presence in the alternative energies market through its New Power business segment, which rebranded as Accelera in March 2023 with a focus on technologies such as electrolyzers, fuel cells, and battery systems.

Ebara Elliott Energy



Turbo-machinery maker Elliott has been a subsidiary of the Japanese industrial group Ebara Corporation since 2000, serving a wide range of global markets besides North America.

Project Showcase

Cavendish Hydrogen Hub:

Florida Power & Light picked Cummins for a 25-megawatt electrolyzer system within a solar-powered green hydrogen production plant that was completed in February 2024—the first of its kind in the state.

Lost Hills solar-to-hydrogen

plant: In March 2024, oil giant Chevron selected Cummins' Accelera zero-emissions business unit to provide a 5-megawatt electrolysis system for low-carbon hydrogen production at the Lost Hills oil field in Kern County, California.

Varennnes Carbon Recycling:

One of Accelera's biggest North American deals to date is to supply 90 megawatts of electrolyzer capacity to Varennnes Carbon Recycling, a biomethanol and green hydrogen consortium involving Shell, Suncor, and Proman.

Project Showcase

Port Arthur LNG: The \$13 billion Port Arthur LNG Phase 1 project taking shape in Texas is expected to enter commercial operation between 2027 and 2028 and will feature cryogenic rotating equipment supplied by Ebara Elliott Energy.

Jeannette electrical upgrade:

Not so much an OEM supply deal as a project that will improve supplies, an electrical upgrade at Ebara Elliott Energy's Pennsylvania plant is expected to improve testing capacity for the benefit of LNG market customers.

Southern oil refinery: This year should see the scheduled overhaul of an Ebara Elliott Energy hot gas expander that has helped an oil refiner achieve an 11% boost in power recovery with practically no unplanned outages since an original installation in 2012.

GE Vernova



Formed from the spinning off of General Electric’s various energy businesses in 2024, GE Vernova has an important presence in power generation and nuclear, and is benefiting from interest in gas and small modular reactors (SMRs) from power-hungry data center developers.

Hitachi



Japanese industrial behemoth Hitachi serves energy markets worldwide and is active in North American sectors such as transmission and hydrogen through its Hitachi Energy division. A joint venture with GE Vernova serves a growing range of SMR opportunities.

Project Showcase

Crusoe data centers: As artificial intelligence (AI) drives a massive boom in U.S. power generation demand, GE Vernova has signed a deal for 29 LM2500XPRESS aeroderivative gas turbine packages with data center developer Crusoe.

Puerto Rico power: In June 2025, GE Vernova inked a deal for six of its LM2500XPRESS gas turbines to modernize power plants owned by the Puerto Rico Electric Power Authority, in a project featuring EPC contractor RG Engineering.

Homer City Redevelopment: In another AI-related deal, GE Vernova is teaming up with EPC firm Kiewit Power Constructors to transform the site of the largest coal-fired power plant in Pennsylvania into a gas-powered data center campus by 2027.

Project Showcase

Ontario Power Generation: Hitachi’s nuclear alliance with GE Vernova is hoping to build the first SMR in the western world, following the approval of a construction application by Ontario Power Generation and the Province of Ontario.

Clinch River nuclear: The GE Vernova Hitachi Nuclear Energy joint venture is also targeting its first BWRX-300 SMR on U.S. soil after the Tennessee Valley Authority electric utility applied for a construction permit with the U.S. nuclear regulator.

H2@Scale: In June 2024, Hitachi Energy joined the U.S. Department of Energy’s ‘H2@Scale in Texas and Beyond’ hydrogen initiative along with GTI Energy, Frontier Energy, the University of Texas, and other industry partners.

Honeywell



Honeywell is recognized as a global leader in automation systems, but also serves the refining and petrochemical sectors through its UOP subsidiary, a result of the acquisition of formerly-named Universal Oil Products in 2005.

INNIO Jenbacher



Austrian engine maker Jenbacher has belonged to private equity-backed INNIO since 2018, after being owned by GE. Recent U.S. moves include the establishment of a joint venture with Gföllner Group to provide containerized gas engines for decentralized power generation.

Project Showcase

Texas Renewable Fuels: USA BioEnergy chose Honeywell for distributed control and safety systems at a \$2.8 billion advanced biorefinery in Bon Wier, Texas, that will supply sustainable aviation fuel for air carriers such as Southwest Airlines.

Baytown CCS: Oil major ExxonMobil selected a Honeywell CO2 Fractionation and Hydrogen Purification System at its Baytown complex in Texas. This technology is expected to capture about 7 million tons of carbon dioxide per year.

Plaquemines LNG export: Venture Global LNG picked Honeywell UOP pretreatment technologies for its export plant in Plaquemines Parish in 2022, after buying similar Honeywell products for its Calcasieu Pass Export facility in 2019.

Project Showcase

VoltaGrid partnership: January 2025 saw INNIO Jenbacher teaming up with advanced energy technology provider VoltaGrid to offer a 20-megawatt, hydrogen-ready power platform for data centers, called QPac. Commercialization is due to start this year.

BioTown Biogas: Jenbacher engines power a major bioenergy plant in Indiana, with one J420 engine running off renewable natural gas and six J320 units operating with biogas to supply electricity and heat for BioTown Biogas.

AMCO Produce: A power generation project for a Canadian greenhouse operator, INNIO's AMCO Produce scheme uses a Jenbacher J316 engine to create 850 kilowatts of power and 1.2 megawatts of heat from pipeline gas, with around 90% efficiency.

Mitsubishi Power



Along with GE Vernova and Siemens Energy, Mitsubishi Power Americas is one of the top providers of gas turbines in the North American market. The company is gradually pivoting to low-carbon generation through expansion into hydrogen fuel and CCS.

NuScale Power



NuScale Power led a growing SMR pack in 2023, when it became the first—and still only—manufacturer to get a U.S. reactor design certification. The loss of its flagship Carbon Free Power Project dented that lead, leaving it with no committed U.S. project start dates for now.

Project Showcase

IPP Renewed: Intermountain Power Agency's Intermountain Power Project Renewed power generation scheme in Delta, Utah, is due to start operating in 2025 with two Mitsubishi M501JAC gas turbines running on a 30% hydrogen to 70% natural gas mix.

ACES Hub: Also in Delta, Mitsubishi Power Americas is providing the electrolysis equipment for green hydrogen production at the Advanced Clean Energy Storage Hub it is building with Chevron's New Energies Company. The hydrogen is for IPP Renewed.

Georgia Power hydrogen: In June 2025, Mitsubishi Power marked a milestone for hydrogen-based power production with the trial of a 50% hydrogen-natural gas mix to power a M501GAC turbine at Georgia Power's Plant McDonough-Atkinson in Georgia.

Project Showcase

Standard Power SMRs: Data center energy provider Standard Power is counting on NuScale to provide up to 2 gigawatts of carbon-free electricity from SMRs planned in Ohio and Pennsylvania. ENTRA1 Energy will develop, finance, and own the plants.

Nuclear hydrogen production: NuScale hopes to use SMRs for desalination and hydrogen production, according to research in partnership with the Department of Energy's Pacific Northwest National Laboratory.

Carbon Free Power: Although cancelled in 2023, the Utah Associated Municipal Power Systems Carbon Free Power Project is still hailed as groundbreaking in getting SMRs close to commissioning in North America.

Siemens Energy



Data center power demand has been good news for Siemens Energy, which has witnessed explosive growth in gas turbine and grid infrastructure equipment orders throughout 2025.

SLB



SLB—formerly called Schlumberger—is known for being the world's leading offshore drilling company. Although it only has a limited footprint downstream in the U.S. energy sector, its drilling experience is increasingly being sought after for CCS and geothermal projects.

Project Showcase

Delfin floating LNG: Houston-based Delfin Midstream is looking to Siemens Energy for four SGT-750 gas turbine mechanical drive packages in a floating LNG design being developed in association with Black & Veatch and Samsung Heavy Industries.

Amarillo HyperGrid: Siemens says data center power demand is leading to a surge in U.S. gas turbine orders. Fermi America has booked six SGT800 gas turbines, six heat recovery steam generators, and one SST600 steam turbine for its Amarillo HyperGrid.

Golden Pass LNG: Siemens Gas and Power was tapped to provide three cryogenic boil-off gas compressor trains for the Golden Pass LNG export terminal in Sabine Pass, Texas, in a contract to Chiyoda, McDermott, and Zachry joint venture CCZ.

Project Showcase

Louisiana Green Fuels: Columbia, Louisiana-based biofuel plant producer Strategic Biofuels brought in SLB to implement carbon sequestration systems at its Louisiana Green Fuels project, which uses forestry wood waste as feedstock.

DoD geothermal: SLB's subsurface expertise has been recognized by the U.S. Air Force and Department of Defense through a preapproval agreement to execute geothermal projects for America's armed forces around the world.

SLB Capturi CCS: In a move that could be significant for power generation, in August 2024, SLB's Capturi division announced its first U.S.-based project—the front-end engineering and design of a CCS plant at a Gulf Coast pulp and paper facility.

Westinghouse



Westinghouse Electric’s power generation activities are today confined to nuclear power, where it has an important presence in traditional reactors and SMR units. As with other nuclear players, the company is benefiting from growth in data center power demand.

Project Showcase

Amarillo HyperGrid: As well as partnering with Siemens Energy for gas generators, data center grid infrastructure provider Fermi America has asked Westinghouse to deploy four advanced modular AP1000 reactors at its Amarillo HyperGrid campus.

EVinci Microreactor approval: In June 2025, Westinghouse received a preliminary safety design report approval for its eVinci Microreactor, key to deploying a test unit at the National Reactor Innovation Center’s Demonstration of Microreactor Experiments.

Port of Belledune: Canada’s Pabineau and Eel River Bar First Nations are exploring the installation of AP300 SMRs at the Port of Belledune in New Brunswick under a memorandum of understanding signed with Westinghouse in May 2025.

Find Out More

Working with the right OEMs is key to any energy project. And the best place to gather industry know-how is at the Energy Projects Conference & Expo NA 2026, Houston, on June 16 and 17.

The home of major energy project development in North America, the Energy Projects Conference & Expo NA 2026 encompasses six industry-leading conferences:

- LNG Export NA (Covering Engineering & Construction, Project Finance, and Operations & Maintenance)
- Power Generation Engineering & Construction
- Alternative Energies Engineering & Construction
- Midstream Engineering & Construction
- Petrochem + Refining Engineering & Construction

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