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Our strategy

Energy of Tomorrow

Accelerating Impact
- Improve our business base
- Co-create innovations with customers and partners
- Activities to drive the energy transition

Leading the Energy Transformation
- Most valued energy technology company
- Electrifying countries and industries
- Act as a data-driven company

Spin-off 2023 2025 2030

Powered by our people and our values

Let’s energize society
In this challenging environment, the world needs **sustainable, affordable and reliable** energy – and we’re here to support our customers and society throughout that journey.
The path to decarbonization

**Coal-to-gas shift**

$\sim 70\%$

CO$_2$ reduction by combined cycle power plants compared to coal.

**Shift to climate-neutral fuels**

$100\%$

Hydrogen fuel capability planned for our gas turbines by 2030. We no longer participate in new tenders for pure coal-fired power plants.

**Climate-neutral power generation**

$330$ mt CO$_2$

Annual avoidance through installed wind turbines from Siemens Gamesa Renewable Energy.
Our focus

5 fields of action

- Decarbonized Heat and Industrial Processes
- Energy Storage
- Power-to-X
- Resilient Grids and Reliability
- Condition-based Service Interventions
U.S. Presence – A Fully Integrated, Full-Service Partner and Driver of the Energy Transition

Revenue¹
~$5.6 bn

Production Operations Footprint
~ 60% sq ft.
~26% of workforce

Exports²
~$1.1bn

Employees³
~9,628

¹ including Siemens Gamesa
Financial figures per Combined Financial Statements as of and for the fiscal year ended September 30, 2021; employees as of December 2021.

² Figure does not include exports to Canada or shipments below $2,500

³ Including temporary labor. Permanent headcount is ~8,815
U.S. Presence – A Fully Integrated, Full-Service Partner and Driver of the Energy Transition

- **24%** of total US Generation capacity
- **$1.5B** spent with US suppliers annually
- **4,900+** US suppliers
- **100+** years in the US
- **18.4M** US homes powered by SE renewables
- **$7.8B** Transmission equipment installed in the US in last 10 years
Organizational Structure

Rich Voorberg
President, North America

Ellen Hsu
Vice President, Finance

Generation
- Large Rotating Equipment
- Solutions
- Service

Industrial Applications
- Products
- Process Solutions
- IA and Distributed Generation Service

Transmission
- High Voltage Grids
- Switching Products and Systems
- Non-Switching Products and Systems
- Grid Stabilization
- Grid Automation Technology Service

New Energy Business
- Projects
- Technology & Products
- Operations

CEO Functions
- Legal & Compliance
- HR
- IT
- Communications
- Government Affairs
Full Value Chain in the USA

Orlando, Gibsonton and Casselberry, FL
Home to the FAST Logistics Center, engineering, manufacturing and lab support for power generation testing. Gibsonton is home to Advanced Airfoils Components, where we manufacture blades and vanes for our gas turbines.

Charlotte and Raleigh, NC
Specializes in manufacturing and engineering for large 60-Hz power generation equipment and engineering, business development, project management and services for Transmission.

Fort Payne, AL
Manufactures electrical components for generators including stator bars, copper components and fabricated products.

Alpharetta, GA
Specializes in instrumentation, controls and electrical solutions for power gen. mgmt.

Mount Pleasant, PA
Home to large scale turbine and generator services, including maintenance, repair and modification.

Richland, MS
Manufacturing, design and testing services for all divisions.

Houston, TX
Provides assembly & tooling as well as engineering support for turbines, ventilators, compression solutions, power plant solutions, and oil & gas process industries.

Headquartered
Orlando, FL
- Offices and facilities in 84 locations, including 26 production facilities
- Approximately 9,628 employees
- Over 500 armed service veterans

- Approximately 9,628 employees
- Over 500 armed service veterans
Our lab for creating the future

Orlando Innovation Center
Shaping the future

- A 1,700-square-meter creative workshop in Orlando, Florida, U.S.
- Complete product development for customers as well as Siemens Energy – from design to simulation and from production of prototypes to tests.

Equipment:
Industrial robots, 3D scanners and printers, electron microscopes, precision machine tools (3-axis and 5-axis CNCs).

Successes:
Development time shortened from 6 months to 6 weeks; automation reduced production time to one quarter of time needed for manual production.
Siemens Energy has a leading role in the energy industry.

The entire energy value chain
Our portfolio
Industrial Applications

We offer mission-critical rotating equipment that we maintain throughout the lifecycle with our comprehensive fleet of services; and electrical, automation, and digital offerings that optimize both the equipment and these services.

Our Industrial Applications division serves the Oil & Gas, Marine, Fiber and Process Industries/Chemicals markets.

siemens-energy.com/industrial-applications

Who We Are

We support our customers in oil and gas, as well as other industries, by providing safe, reliable, and highly efficient rotating, electrical, automation and digital offerings.

Service

Highly resilient and growing service business reinforced by strong partner-ships with customers.

Innovation

Leading innovations in additive manufacturing, digitalization and decarbonization.
With a clear focus on decarbonization, digitalization and distributed energy, we offer a broad portfolio of energy products, solutions and services supporting a reliable, affordable, and efficient power supply.

Our product portfolio comprises gas and steam turbines, generators, gas engines, heat pumps, and storage solutions as well as instrumentation and controls and electrical systems.

A comprehensive set of services covering performance enhancements, maintenance services, customer training and professional consulting complement our products and solutions businesses.

Who We Are

Our offerings support our customers’ individual paths to a decarbonized operation. We help reduce emissions from existing assets and develop cutting-edge technologies that will be critical for deeper decarbonization targeting the net-zero emissions goal in power generation applications.

Service

Our energy services help ensure the long-term optimal performance of our customers’ assets using state-of-the-art digital service technologies. These offerings enable remote servicing and maintenance for power operators across the energy sector with strong backlog, and a growing fleet.

Energy transition

We are driving the global energy transition by recognizing trends and responding with distributed offerings and innovations in decarbonized energy systems.
Transmission

We offer a broad portfolio of products, systems, solutions and services to meet and exceed market needs. In focus are grid stability and grid resiliency, along with modernization and greening of the grid. We cover all key parts of the energy value chain. As such, our offerings are crucial for the success of the energy transition.

We maintain a strong leadership position in a growing market, ranking #1 or #2 worldwide.

The product portfolio comprises traditional offerings (e.g. transformers, switchgear) as well as our newly developed Blue Portfolio, Sensproducts and Environmentally friendly solutions. We also offer grid stabilization and grid access solutions (e.g. HVDC, FACTS, Offshore wind projects).

The Transmission division offers its products individually or as part of custom systems and solutions.

siemens-energy.com/transmission

Who We Are

Market and technology leader. We partner with our customers to build and operate efficient grid infrastructures and meet the growing demand for sustainable electrification.

Growth

Excellent growth prospects driven by industry-leading and innovative portfolio focused on key market trends.

Energy transition

Helping customers achieve energy transition goals through facilitating the transport of electricity (e.g. bringing renewable energy to consumption centers with reduced energy losses and improved power quality and resiliency), deploying zero-emission and zero-pollution (non-toxic) solutions.
New Energy Business

We complement the portfolio of Siemens Energy by developing new technologies in the field of decarbonized energy systems.

The current focus of the New Energy Business is to enable the green hydrogen economy and to promote decarbonization, for instance by developing “power-to-x” technologies which use electricity from renewable energy sources for the production of low-CO₂ synthetic energy sources (power fuels).

siemens-energy.com/new-energy-business

Hydrogen Systems
Industry grade and highest quality green electrolyzer-based Power-to-hydrogen systems and services.

Power-to-X-Solutions
- Electrolyzer-based Power-to-Hydrogen and Power-to-Liquids solutions and services
- Electrolyzer-based turnkey solution package

Energy Consulting and Digital Services
- Electrolyzer-integrating Energy system design
- Specific Power-to-X related digital services and optimization solutions
Siemens Gamesa Renewable Energy

We focus on the promotion, design, development, manufacture and supply of products, installation and technologically advanced services in the renewable energy sector with a focus on wind power plants; it also provides services including management, operation and maintenance.

siemengamesa.com

Positioning
A market leader in the attractive wind industry with the right foundation in place to play a key role in decarbonization trends

Growth
Highly favorable industry dynamics, with growth mainly coming from attractive offshore and service segments

Value
Well positioned for value creation with innovation, productivity & asset management, operational excellence and sustainability at the core of SGRE
2021 Highlights

- One of the world's largest natural gas turbines
  Lincoln, North Carolina

- Advanced diesel-electric propulsion systems and battery energy storage for research vessels

- First offshore HVDC grid connection project in the U.S.
  New York

- Electrical equipment for offshore wind farm
  Virginia

- Commercial Expansion of CJ Express Pipeline
  Texas

- Intelligent Plant Automation
  Virginia

- Mobile Resilience Transformers
Our Strategy
Digitalization as a value driver

Siemens Energy digitalizes the energy transformation – effectively, efficiently and securely.

New digital revenue
We create new revenue streams by offering software-as-a-service seamlessly across our product range.
Example: Omnivise offering, e.g., Cybersecurity

Increasing the value of our offering
We combine our domain expertise with our digital expertise to differentiate our value and offerings for our customers.
Example: Remote Services, Sensgear, SensSolutions

Internal digitalization
We automate our internal processes and build the necessary digital infrastructure to react to rapid changes of the digital world.
Example: Digitalized outage processes
Our employees are our greatest asset. It is why we want every single Siemens employee to be able to rely on a safe working environment at all times.

Zero Harm
Employer with a vision

Our three principles

Zero incidents – it’s achievable!

We take care of each other!

No compromises on health and safety!
Siemens Energy has invested over $1 billion per year in R&D focused on sustainable technologies and services.

Coal Exit: We have withdrawn our support for the development of new purely coal-fired power plants.

Focus on Sustainability
Decarbonized supply chain; climate neutrality in our own operations by 2030; decarbonized products, services & solutions

Our Status

- 43% Reduction of SF₆ emissions compared to 2019
- 76% Green electricity
- 75% Hydrogen combustion capability

Our Goals

- 60% Target reduction of SF₆ emissions
- 100% Green electricity consumption by 2023
- 100% Hydrogen combustion capability in gas turbines by 2030

1. Sulfur hexafluoride is a greenhouse gas that is primarily utilized as an electrical insulator and arc suppressant.
2021 Milestones

Net Zero Innovation
In partnership with **Breakthrough Energy**, founded by Bill Gates, Siemens Energy will provide in-kind opportunities for **mentorship**, **technical expertise** and more to innovators working on technologies needed to reach a **net zero** economy by 2050.

Hydrogen Pilot
In March 2021, Siemens Energy, **Duke Energy** and **Clemson University** teamed up to study the use of hydrogen for energy storage. The pilot project includes studies on hydrogen production, storage and co-firing with natural gas. Phase 2 kicks off in 2022.

ESG: Recycling
• In FY21 the Orlando, FL, campus **composted** more than 8,000 pounds of Café food waste and recycled coffee grinds and recycled more than 206 tons of trash/waste.
• Today, 80-90% of the waste by weight in our Winston-Salem, NC, facility is **recycled and repurposed** into another product.

D&I Advancements
Catalysta program that offers development opportunities for women in key roles experienced 100% growth. The program supports corporate targets for: 25% women in top leadership functions by 2025 (currently 21%) and 30% women in top leadership functions by 2030.

ESG: CO₂ Reductions
Among the recognitions received in 2021, SE obtained Verification from the **Science Based Targets Initiative (SBTi)** that its CO₂ reduction targets comply with the Paris Agreement and contribute to **limiting global warming**.

3AV1 Blue CLEAN AIR Circuit Breaker
Siemens Energy developed revolutionary **CLEAN AIR** vacuum technology capable of reliable short-circuit interruption with **zero global warming potential** over the lifetime of the equipment. No toxic decomposition products and no end-of-life gas waste.
Our Diversity is Our Strength

We focus on creating equal opportunities, inclusion and diversity in all its facets.

We believe that everyone should be able to bring their whole self to work and achieve their full potential.

Highlights

- Goal to reach 25% women in top leadership functions by 2025, 30% by 2030
- Implementation of a Global Inclusion & Diversity dashboard to measure progress via performance

Indicators like

- Share of women and minorities in management & hiring
- No. of employee networks in all dimensions of inclusion
- Results of the 2021 “SE Voices” employee survey

Military Talent Program

Started a decade ago, our efforts to recruit veterans extends to all 4 branches of the military and includes

- Award-winning onboarding and retention programs
- Job training to develop digital skills for vets with STEM backgrounds
Access to Education
Promote STEM and Climate Education
(targeted at under-represented demographics)

Driving Energy Transformation
Support clean Energy R&D and projects

Sustaining Communities
Disaster Relief
(esp. related to electricity supply)

80% of donations in 2022 will support these three areas, while 10% will support the causes important to our customers and partners and 10% will support activities in local communities where we have operations.
Thank you for your time