



CONSTITUENT OVERVIEW

The **ISE Clean Edge Global Wind Energy™ Index (GWE™)** is a float-adjusted modified market capitalization-weighted index designed to track the performance of companies engaged in and involved in the wind energy industry based on analysis of their products and services (including both pure play companies focused on the wind energy sector and diversified multinationals with wind energy sector exposure).

| COMPANY | STOCK TICKER | PP / NPP* | AT A GLANCE |
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| Acciona S.A. | ANA (Madrid) | NPP | Top 25 wind producer with more than 8.3 GW installed |
| Aeris Indústria e Comércio de Equipamentos para Geração de Energia S.A. | AER13 (São Paulo) | PP | Wind turbine blade manufacturing, repair, and maintenance |
| Aker Horizons ASA | AKH (Oslo) | PP | Holding company focused on renewable energy (wind, solar, and hydrogen) and carbon capture |
| Alliant Energy Corp. | LNT | NPP | One of the largest utility owner-operators of regulated wind in the U.S. |
| American Superconductor Corp. | AMSC | NPP | Wind turbine design, electronic controls and systems, and engineering services |
| Arcosa, Inc. | ACA | NPP | Maker of wind and transmission and distribution (T&D) towers |
| BKW AG | BKW (Swiss) | NPP | Swiss-based European energy operator (hydroelectric and nuclear) with growing sales of wind and services to municipalities and other Swiss and EU customers |
| Bonheur ASA | BONHR (Oslo) | PP | Operator of offshore wind turbine installation vessels |
| Boralex, Inc. | BLX (Toronto) | PP | Canadian RE developer with wind projects in Canada, France, and the U.K. |
| Cadeler A/S | CADLR (Oslo) | PP | Marine-vessel operator within the offshore wind industry for installation, operation, and maintenance work |

*Denotes pure play vs. non pure play or diversified

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| Century Iron & Steel Industrial Co., Ltd. | 9958 (Taiwan) | PP | Steel structures for wind energy production |
| China Datang Corp. Renewable Power Co. Ltd. | 1798 (Hong Kong) | PP | Renewable energy generator with majority from wind |
| China High Speed Transmission Equipment Group Co. Ltd. | 658 (Hong Kong) | PP | Mechanical transmission equipment manufacturer specializing in gearboxes for the wind power sector |
| China Longyuan Power Group Corp. Ltd. | 916 (Hong Kong) | PP | A Top 25 wind producer; wind accounts for approximately 70% of power assets |
| China Suntien Green Energy Corp., Ltd. | 956 (Hong Kong) | NPP | Diversified power producer with about 33% of generation from wind |
| Clearway Energy, Inc. | CWEN | NPP | Owner/operator of utility-scale wind/solar and distributed solar projects in U.S. |
| Concord New Energy Group Ltd. | 182 (Hong Kong) | PP | Power producer with about 80% from wind |
| CS Bearing Co. Ltd. | 297090 (Korea) | PP | South Korea-based manufacturer of wind power bearings |
| CS Wind Corp. | 112610 (Korea) | PP | Primary focus is towers for offshore and onshore wind farms |
| Dongkuk Structures & Construction Co., Ltd. | 100130 (Korea) | NPP | Korean diversified steel construction firm with strong steel wind tower and offshore wind platform operations |
| EDP Renováveis S.A. | EDPR (Lisbon) | PP | Renewables development arm of EDP with a majority wind assets |
| Encavis AG | ECV (Xetra) | NPP | Independent power producer in Europe with significant wind generation |
| Enel S.p.A. | ENEL (Milan) | NPP | Italy-based, global power provider is a Top 25 wind producer with 13,440 MW on four continents |
| Energiekontor AG | EKT (Xetra) | PP | A leading German wind developer and operator |
| ENGIE S.A. | ENGI (Paris) | NPP | Leading wind producer in France and in the Top 25 globally |
| Enlight Renewable Energy Ltd. | ENLT (Tel Aviv) | NPP | Israel-based independent power producer with significant wind generation in Europe and Israel |
| ERG S.p.A. | ERG (Milan) | PP | Italy-based renewable power producer with a wind-dominated production portfolio |

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| Galata Wind Enerji A.S. | GWIND.E (Istanbul) | PP | Turkey-based independent power producer with significant wind generation |
| General Electric Co. | GE | NPP | Top 5 global manufacturer of wind turbines |
| Goldwind Science & Technology Co., Ltd. | 2208 (Hong Kong) | PP | Top 5 global manufacturer of wind turbines |
| Hexcel Corp. | HXL | NPP | Composites for wind turbine blades including glass, carbon and other fibers and specialized coatings |
| Hitachi, Ltd. | 6501 (Tokyo) | NPP | Significant player in wind integration, especially for offshore installations |
| Iberdrola S.A. | IBE (Madrid) | NPP | Highly diversified global company with assets in renewables, conventional energy, and T&D. Onshore and offshore wind represents about 50% of its renewables portfolio. Top 15 wind operator |
| Innervex Renewable Energy, Inc. | INE (Toronto) | PP | Canadian renewables developer, with wind representing more than 50% |
| Neoen S.A. | NEOEN (Paris) | NPP | France-based wind, solar, and storage developer and owner |
| NextEra Energy, Inc. | NEE | NPP | Major energy and utility-holding company, with largest wind operation in North America. Top 25 wind operator worldwide |
| Nordex SE | NDX1 (Xetra) | PP | Top 10 manufacturer of wind turbines |
| Northland Power, Inc. | NPI (Toronto) | PP | Canadian independent power producer with onshore and offshore wind projects in Canada and Europe |
| Orrön Energy AB | ORRON (Stockholm) | PP | Renewable energy developer and operator with a focus on wind and hydroelectric generation in the Nordics |
| Ørsted A/S | ORSTED (Copenhagen) | PP | Global leader in offshore wind. One of the first conventional energy players to transition to renewables, with clean energy representing about 70% of revenue, and offshore wind representing 57% in 2020 |
| Owens Corning | OC | NPP | Diversified composite manufacturer with sectoral leadership in wind turbine fiberglass composites |
| OX2 AB | OX2 (Stockholm) | PP | Wind developer and operator with farms in Finland, Poland and Sweden |
| PNE AG | PNE3 (Xetra) | PP | German wind power pioneer, with wind historically making up 90% of revenue |

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| Prysmian S.p.A. | PRY (Milan) | NPP | World's largest cable manufacturer, including wind-specific cables; undersea cabling business riding growth of offshore wind |
| ReNew Energy Global Plc | RNW | PP | Builder and operator of wind and solar generating facilities in India |
| RWE AG | RWE (Xetra) | NPP | 2020 acquisition of E.ON Climate & Renewables made Germany-based RWE one of the largest wind players in Europe. Top 25 operator with growing footprint in offshore wind |
| Serena Energia S.A. | SRNA3 (São Paulo) | PP | Brazil-based renewable energy producer with a wind-dominated generation portfolio |
| SGL Carbon SE | SGL (Xetra) | NPP | Carbon fibers and materials, increasingly supplying wind industry |
| Siemens Energy AG | ENR (Xetra) | NPP | RE mostly generated from wind (from subsidiary Siemens Gamesa Renewable Energy S.A.) provided 34% of company revenue in 2022 |
| SKF AB | SKF B (Stockholm) | NPP | Designs and develops bearings, seals, condition monitoring systems, and lubrication systems for wind turbines |
| Terna Energy S.A. | TENERGY (Athens) | PP | Greece-based renewable energy company with wind farms in Greece, and Southeastern and Central Europe. 1,300 MW in operation, 5,000 MW in pipeline |
| The Timken Co. | TKR | NPP | Engaged in the engineering, manufacturing, and marketing of bearings and industrial motion products, including for the wind sector |
| Toray Industries, Inc. | 3402 (Tokyo) | NPP | Global leader in carbon fibers, with multiple carbon fiber offerings for wind blades |
| TPI Composites, Inc. | TPIC | PP | Composite materials for turbine blades. Company has entered the market for advanced materials for electric vehicles (EV), but turbine blades are still majority of business |
| Vestas Wind Systems A/S | VWS (Copenhagen) | PP | Top 5 global manufacturer of wind turbines |

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