ACCELERATE THE ENERGY TRANSITION

Orchestrating renewables for a sustainable energy grid of the future with GridOS® Orchestration Software

The energy transition is reshaping the way the world consumes and delivers electricity. GridOS® Orchestration Software provides a comprehensive solution to manage distributed energy systems and virtual power plants, enabling grid operators to efficiently integrate renewable energy sources and enhance grid reliability.

RENEWABLES ARE THE FUTURE OF ENERGY

CUT COMPLEXITY, REDUCE COSTS, AND MORE

GridOS® Orchestration Software

GridOS® is HERE TO HELP.

The GridOS® Orchestration Software platform provides a comprehensive solution to manage distributed energy systems and virtual power plants, enabling grid operators to efficiently integrate renewable energy sources and enhance grid reliability.

THE POWER OF GE VERNOMA

- 30% of the world's electricity generated with the help of GE Vernoma technology
- 180+ years of grid innovation
- 90% of the world's power transmission lines are equipped with GE Vernoma Technology
- 1,000 scientists and engineers, including more than 500 PhDs

PRODUCTS THAT ACCELERATE THE JOURNEY TO NET ZERO

- Advanced Energy Management Systems (AEAMs)
  - Manage load-code innovation
  - Regulate wind power by calculating the precise amount required for the grid
  - Create power restoration plans for faster recovery from disruptions
  - Digitally estimate and increase line rating
  - Calculate the right amount of energy needed to restore the grid to a safe point

- Distributed Energy Resource Management System (DERM)
  - Monitor, integrate and manage Distributed Energy Resources (DERs)
  - Automate commissioning, compliance, reliability, and performance
  - Monitor grid performance and determine impact on the grid
  - Anticipate and social grid violations
  - Enable Non-Intrusive Alternatives to optimize performance

- Advanced Distribution Management System (ADMS)
  - Orchestrates the devices and grid beyond the Functionality of umbrella Supervisory Control and Data Acquisition (SCADA), Distribution Management System (DMS) and Energy Management System (EMS)
  - Drives a DERs and coordination to balance the grid for maximum reliability
  - Program for and recover from disruption events quickly and safely
  - Increase workforce access beyond the control room

Learn more about what GridOS® Orchestration Software can do for you.