OPAL-RT TECHNOLOGIES

ePHASORSIM |
Electro-Mechanical Phasor Toolbox Customers

ePHASORSIM is a solution for projects that involve power system transient stability simulation. It is used in the testing and integration of EMS/SCADA systems, wide area protection and control schemes, and for training and power system studies. ePHASORSIM's solver simulates a power grid at a time-step of a few milliseconds to provide transient stability simulation analysis, such as voltage/current magnitude and angle, power transfer, speed of machines. This unique electromechanical transient real-time simulation system enables precise simulation of large-scale networks to perform hardware-in-the-loop (HIL) testing.

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Clarkson University
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Eaton Corporation
Florida State University
Global Energy Interconnection Research Institute North America (GEIRINA)
GE Energy Management
Hawaii Natural Energy Institute
Idaho National Laboratory
Iowa State University
Lawrence Berkeley National Laboratory
Michigan Technological University
MIT Lincoln Laboratory
National Renewable Energy Laboratory (NREL)
Naval Facilities Engineering Command (NAVFAC)
Nebraska Applied Research Institute (NARI)
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