



eHS | FPGA-based Power Electronics Toolbox Customers

Since 1997, OPAL-RT has earned the trust of over 800 customers, including Fortune 500 companies, academic institutions, and laboratories. More than 2000 users currently run OPAL-RT in 40 countries around the world.

eHS is a generic and reprogrammable FPGA-based electrical solver at the heart of OPAL-RT's eFPGASIM suite. eHS provides a convenient user interface enabling users to bring in real-time models created in the simulation tool of their choice: SimScape Power System Simulink toolbox, PSIM, PLECS Blockset, or Multisim.

PROUD USERS OF eHS

North America

- Advanced Energy
- Air Force Research Laboratory (AFRL)
- Aurora Flight Sciences
- Bombardier Aerospace
- Carrier
- Caterpillar
- Cummins
- Dominion Energy
- Eaton Corporation
- Emerson Electric Company
- Faraday Future
- First Solar
- Ford Motor Company
- GE Aviation
- GE Power USA
- General Atomics Electromagnetic Systems
- General Motors
- Idaho National Laboratory
- Institut de recherche d'Hydro-Québec (IREQ)
- John Deere Electronic Solutions
- Johnson Controls
- Karma Automotive
- Lyft
- MagniX
- National Aeronautics and Space Administration (NASA)
- National Energy Technology Laboratory (NETL), Morgantown
- National Renewable Energy Laboratory (NREL)
- Natural Resources Canada, CanmetENERGY
- Nebraska Applied Research Institute (NARI)
- Oak Ridge National Laboratory
- Pacific Northwest National Laboratory
- Qube-4D Ventures
- Rivian Automotive
- Rockwell Automation
- S&C Electric Company
- Sandia National Laboratories
- Schneider Electric, Accusine
- SMC
- Tesla
- TM4
- U.S. Naval Academy

- U.S. Navy
- Vertiv

Europe

- ABB Corporate Research Center, Krakow
- ABB Corporate Research, Vasteras
- ABB Power Systems, Ludvika
- ABB SpA
- ASELSAN
- Austrian Institute of Technology (AIT)
- Bogazici Elektrik Distribution (BEDAS)
- CEA Tech Pays de la Loire
- CENER
- Centro Nacional del Hidrógeno
- CERTIA
- DNV GL, KEMA, Stichting EMVT Laboratorium
- Eaton European Innovation Center (EEIC)
- Eaton Powerquality
- EGSTON System Electronics Eggenburg
- Eldor
- FGC RDCPE
- Forschungszentrum Jülich
- Fraunhofer IOSB
- G2ELAB SYREL
- GE Energy Power Conversion, Belfort
- GE Power Conversion, Berlin
- GE GRID Smart Grid
- GE Grid Solutions, Power Systems
- Grenoble INP - Ense3
- Gutor by Schneider Electric
- Hitachi Rail Italy
- Ingeteam Power Technology
- Instituto Tecnológico de la Energía
- Jema
- Karlsruher Institut für Technologie (KIT)
- KIOS Research Center
- L2EP
- Liebherr Aerospace Toulouse SAS
- LQ Technologies (WUXI)
- Maschinenfabrik Reinhausen
- Nidec Motors & Actuators
- Novel Electric Propulsion Systems (NEPSY)



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PROUD USERS OF eHS

Asia-Pacific

- Amrita Vishwa Vidyapeetham
- Automotive Research Association of India
- Beijing Zongheng Electro-Mechanical Technology Development
- Bharat Electronics (BEL)
- Bharat Heavy Electricals Limited
- BYD Auto
- Central Electronics Engineering Research Institute (CEERI)
- Central Power Research Institute
- China Electric Power Research Institute (CEPRI)
- China Southern Power Grid
- Combat Vehicles Research & Development Establishment (CVRDE)
- Commercial Aircraft Corporation of China
- CRRC Qingdao Sifang Rolling Stock Research Institute
- CSG Electric Power Research Institute
- CSR Zhuzhou Institute
- Delphi Propulsion Systems Private Limited
- Eaton China Corporate Research & Technology
- Eaton Phoenixtec MMPL
- Eaton Pune
- Electric Power Technology Limited (Thunder Power)
- Ford China
- GE - EE
- GE India Technology Centre
- Guangdong Power Grid Corporation
- Hitachi
- Huawei Technologies
- Hubei Electric Power Science Research Institute
- Hunter Marine
- Inner Mongolia Power Group
- Institute of Chemical & Engineering Sciences
- Jiangxi Aoxiang electric appliance
- Kawasaki Heavy Industries
- Korea Electric Power Corporation (KEPCO)
- Korea Electrotechnology Research Institute
- Korea Institute of Energy Research (KIER)
- LG Electronics
- MagHEM
- Meidensha Corporation
- MINE Mobility Research
- Mitsubishi Electric Corporation (MELCO)
- Mitsubishi Heavy Industries
- Nanjing YueBoo Power System
- NARI Relays

- National Transmission & Despatch Company
- Ningxia Electric Power Design Institute
- North China Electric Power Research Institute
- Omron Japan
- POSCO ICT
- Qinghai Electric Power Test and Research Institute SGCC
- REnergy Electric Tianjin
- Research Centre Imarat (RCI)
- Research Institute of Industrial Science and technology (RIST)
- Santak Electronic (Shenzhen)
- Shanghai Electric Group, Central Academe
- Shanghai Electrical Apparatus Research Institute (Group)
- Shanghai Electronic Technology Group
- Shenzhen Greatland Electrics
- Shenzhen Power Supply Bureau
- Siemens Bangalore
- State Grid Shandong Electric Power Company
- Sungrow Power Supply
- Suzhou Inovance Technology
- Tata Motors Bangalore
- Tata Motors Limited
- TMEIC
- Tokyo Electric Company (TEPCO)
- TOSHIBA
- Toyota Industries
- Union Plus Hong Kong Development Limited
- Wuxi electric appliance
- Xi'an XD Power Systems
- XJ Group Corporation

Latin America

- CEPEL, Centro de Pesquisas de Energia Elétrica
- Operador Nacional de Electricidad CENACE
- Operador Nacional do Sistema Elétrico (ONS)

Middle-East & Africa

- InterCal
- Qatar Environment & Energy Research Institute



Over 150 Universities around the world also use eHS