Engineering Analysis
Software Solutions

ELECTRIC POWER ENGINEERS
Delivering Energy Intelligence

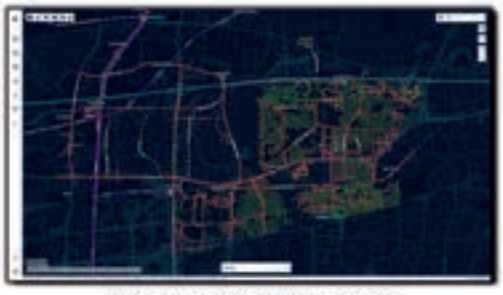
ENER-i™ ENERGY INTELLIGENCE PLATFORM

ENER-i™ from Electric Power Engineers is shaping the future of grid systems planning with its powerful GIS-centric SaaS solution designed for power systems engineers.

ENER-i™ seamlessly merges complex data across your organization through its live integration with GIS plus operational and contextual data sets essential for modeling the energy grid. Our SaaS-based approach transforms grid systems planning by delivering a quick way to deploy a scalable, flexible solution and begin realizing benefits.

We've advanced engineering planning with a full suite of engineering tools harnessing Advanced Metering Infrastructure (AMI) and metered data with evolved Distributed Energy Resources (DER) and Network Model Management. ENER-i™ extends your utility system integration and interoperability.

POWER FORWARD WITH CONFIDENCE



LIVE INTEGRATION WITH GIS

EMBEDDED ENGINEERING ANALYTICS CAPABILITIES

PERFORMANT BIG-DATA INGESTION & ANALYTICS

ENER-i™ is enabled by the Esri Utility Network Model is turbocharged with a powerful suite of integrated power system engineering analytics engines—reimagining integrated digital utility planning.

Software Solutions

ENER-i™ Energy Intelligence Platform

ELECTRIC POWER ENGINEERS

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BUILDING OUR ENERGY FUTURE

Orchestrating the interplay between planning and operations amid the growing complexity of electrification and digital transformation.

FEATURES INCLUDE
Cloud-based software-as-a-service model

- No dedicated or specialized on-premise hardware required.
- Data and access to the platform is secure (SOC II Compliant).
- Scalable—resources scale automatically to handle large quantities of data or very demanding analyses, keeping engineers focused on the task at hand.

MODULES
The following modules all come with the core platform and are tightly integrated throughout the platform.

Secure + Efficient Big Data Integration

- Easily integrate third party data and systems like AMI or SCADA data.
- Import proprietary files or bring in supplemental datasets such as weather.
- Designed for large amounts of data, high-speed querying and analyzing large quantities of utility data.

GIS-Based Network

- ENER-i™ utilizes Esri's Electrical Utility Network (UN) as the core network model manager.
- UN provides superior data quality and structure relative to other GIS. It also ensures correct topology and allows for quick network validations and traces.
- Get going quickly by converting existing engineering planning network models to UN format with ENER-i's FalcUN tool.
- Model your network how you want to with the software's capability-based flexible equipment databases and profiling engines.

Embedded Engineering Intelligence

Designed for traditional and interval analyses, model what is happening all over the grid every minute of the day or every hour of the year.

NOTABLE USE CASES

- Produce Hosting Capacity Maps
- Plan for Voltage Optimization Strategies
- Study Detailed DER Interconnections
- Optimize Battery Placement and Sizing
- Simulate DERMS Control Strategies
- Analyze 8,760 hours / year

Integrated Dashboards

Intuitively visualize and analyze the results of your analyses in easy-to-read dashboards containing configurable maps and charts containing key information:

- View reports on your assets.
- Derive intuitive conclusions from analysis with tailored results visualizations.

ENER-I™ SERVICES
Data Migrations

- Generic GIS to Esri's Electric Utility Network (UN)
- Milsoft's Windmil to UN
- NISC to UN
- Synergi to UN
- CYME to UN
- Generic Engineering Analysis tool to UN

ENER-I Platform Training
IT / Data Needs and Requirements Assessments

Inquire about our Professional Services Delivery Capabilities or Power System Engineering Consultation

esri Partner Network Silver

Network Management Specialty

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