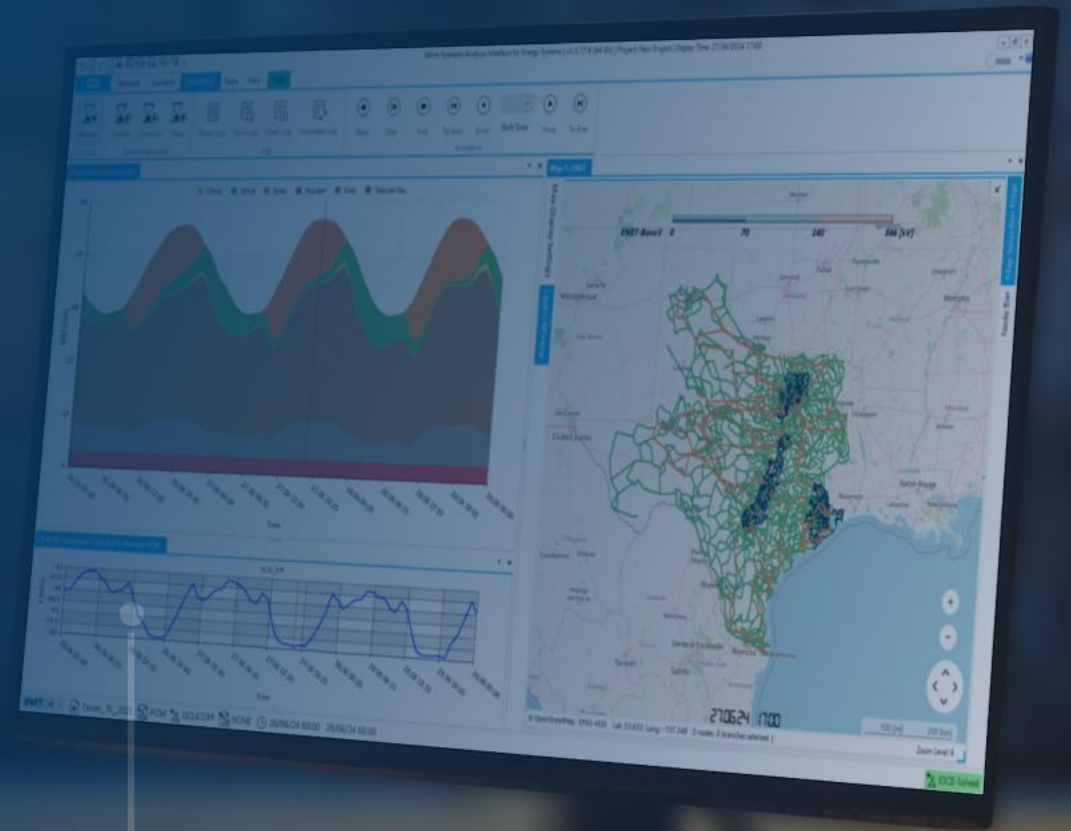


SAInt: An integrated planning software

April 28, 2025



We help you plan the energy future

Utilities & system operators

Asset & technology developers

Technology, consulting, and
research firms



nationalgrid

**Highview
Power®**

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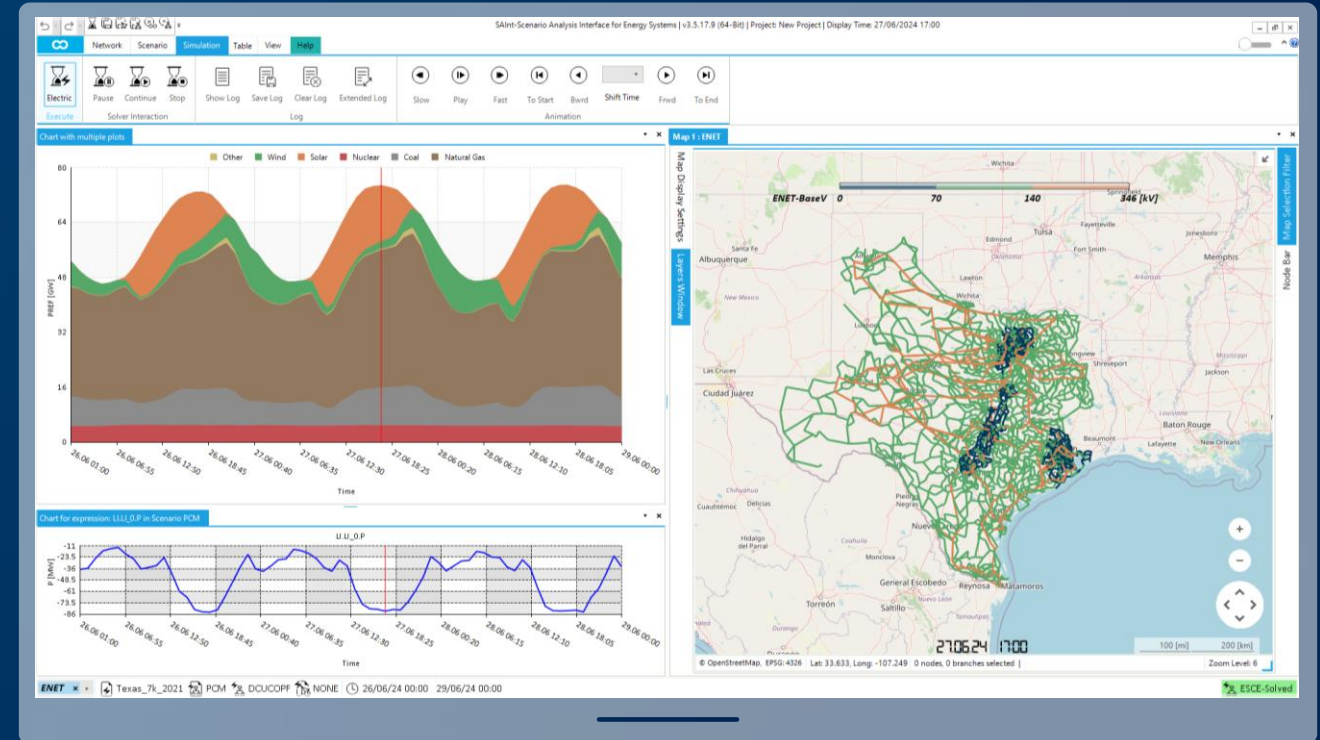
ESIG

ENVERUS

Integrate economic and reliability planning across generation, transmission, and distribution

Integrated planning:

Coordination between traditionally-siloed planning processes, enabled by iterative workflows that link different modeling domains within a single platform (e.g., production cost modeling and power flow simulations).



Unified modeling platform enabled by a common and flexible data structure

OPTIMIZATION

System Expansion

Capacity Expansion Modeling

Market & Operations

Production Cost Modeling

PHYSICAL NETWORK SIMULATION

Electricity Transmission

Balanced AC power flow
simulation

Electricity Distribution

Unbalanced AC power flow
simulation

Critical design choices empower coordination across planning processes and domains:



Interactive GUI with geo-referenced map to support insights across planning domains.



Flexible API for scenario planning and automated, iterative workflows.



Time-series management and custom constraints & controls to plan for realistic operational conditions.



Detailed representation of renewables, storage, flexible demand, and DERs.

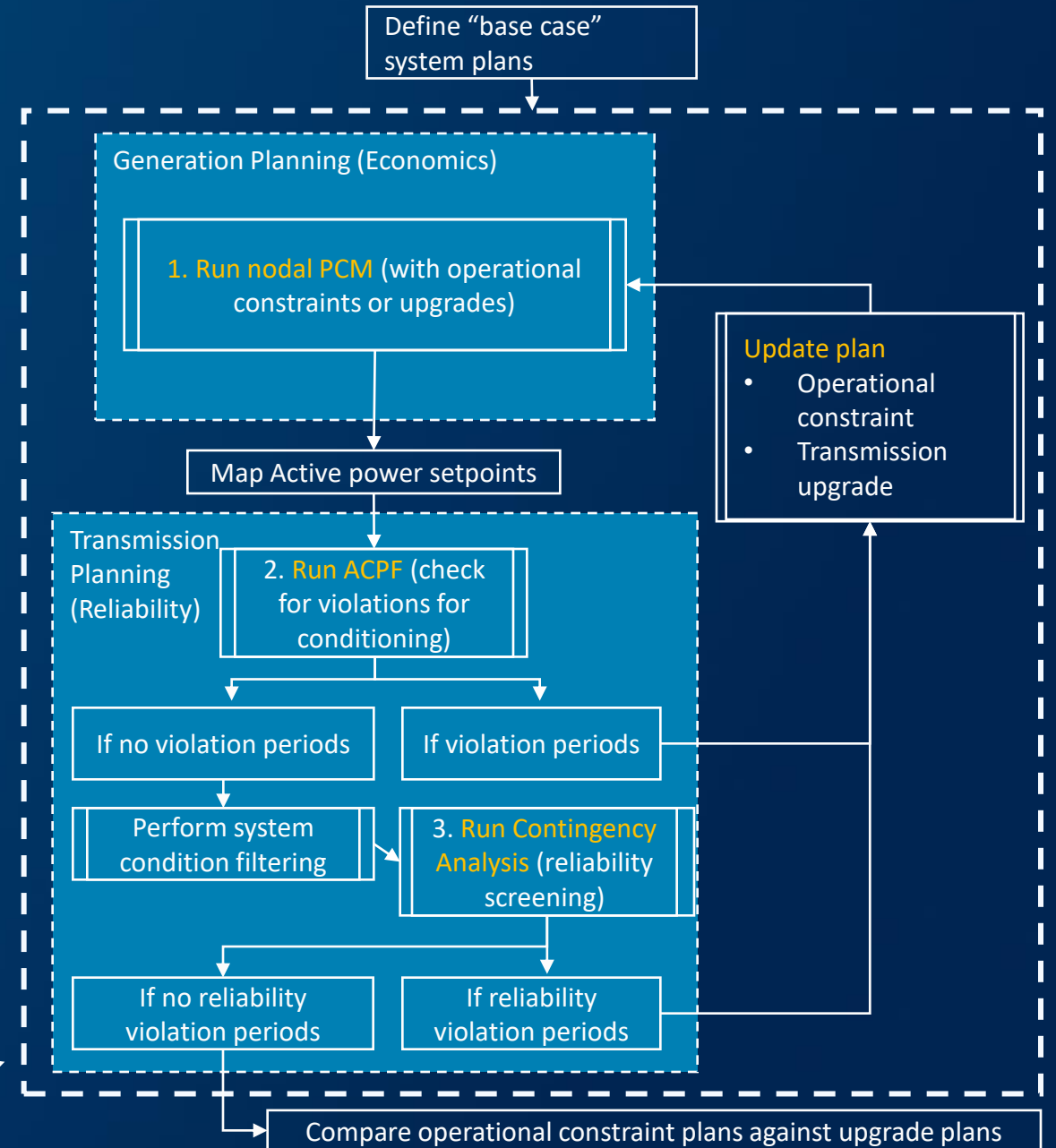


Data import and model translation from industry-standard formats.

Let's explore 3 Case Studies

Integrated Economic & Reliability Planning for:

- **Generation & Transmission Expansion**
- **Data Center Interconnection**
- **Non-Wires Alternative Analysis**



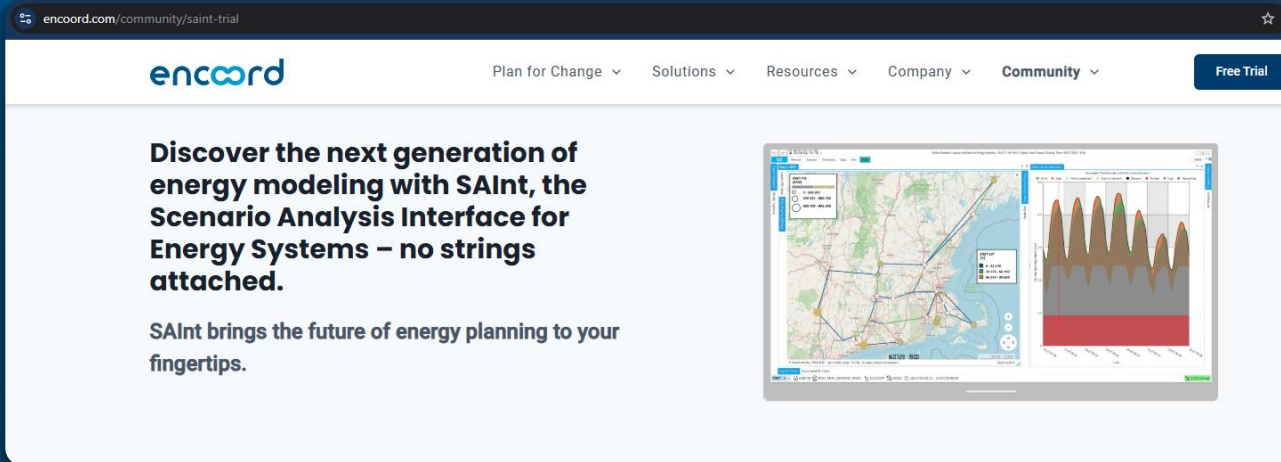
Adaptation from: ESIG's Integrated Planning Guidebook (June 2025)

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