



# TDcoSim

Open-source package for transmission and distribution co-simulation

## Key Features:

- Transmission system modeling using PSS®E
- Distribution system modeling using OpenDSS
- Detailed dynamic DER modeling using PVDER
- Support for static and dynamic simulation
- Built-in data visualization and data analytics tools
- Capable of simulating large interconnections (250K+ T&D nodes).

PSS®E



## Example Cases:

- ❖ Study impact of aggregated DER model parameters
- ❖ Study impact of DER penetration on T&D systems
- ❖ Post-contingency analysis of faults involving DER
- ❖ Study impact of DER interconnection standards



Install: [github.com/tdcosim](https://github.com/tdcosim)

Contact: [support.tdcosim@anl.gov](mailto:support.tdcosim@anl.gov)



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\* PSS®E and OpenDSS are developed by Siemens and EPRI respectively.