

etap[®]

DataX[™]

Data Exchange & Conversion

Data exchange provides interfaces to 3rd-party engineering and CAD software.

Build-in tools to convert legacy power system analysis software and automatically generate a multi-layered graphical one-line diagram.



Increase productivity using data exchange tools for standard or proprietary formats.

Convert & Import from Legacy Software

ETAP offers conversion tools from other power system analysis software that will automatically generate a multi-layered graphical One-Line diagram in conjunction with the electrical data and associated TCC studies where possible.

Built-in conversion tools:

- SKM Power*Tools®
 - Dapper / Captor PTW32 (AC & DC systems)
- ESA EasyPower® (supports MCC Loads)
- Siemens PSS®E
- CYME Geo-referenced & Schematic View
- Milsoft WindMil Map®
- ANAFAS - Analysis of Simultaneous Faults
- Power Analytics® / EDSA®

Other available conversion programs:

- DigSilent® PowerFactory
- Neplan®
- DCSDM

Microsoft® Excel

- Bi-directional Excel data exchange
- Map Excel worksheets to ETAP elements
- Perform consistency checks during data exchange
- Substitute incomplete data with defaults & library data

MultiSpeak™

- Import & export power system data
- User-defined mapping of elements & properties
- Supports MultiSpeak v3.0 & v4.0

Common Information Model - CIM

- Import & export data from ETAP using CIM XML
- User-defined mapping of elements & properties
- IEC 61970 & IEC 61968 standards

ESRI ArcGIS™ Interface

The interface automatically converts ArcGIS models into an ETAP Distribution View.

- Auto-Incremental Import
- ArcGIS – ETAP Universal Mapping
- Auto population of ESRI data to ETAP element properties

Autodesk Revit®

Simplify design, reduce cost, and validate Revit Electrical BIM with ETAP using enhanced time-saving data exchange features and analysis capabilities.

- Validate Revit Electrical BIM with ETAP
- Direct bi-directional communication
- Intelligent default auto mapping & interface
- Export simulation results
- Smart Connect: Revit plug-in to ETAP

eXCAD™

The eXCAD™ interface simplifies the way you design and analyze electrical systems by utilizing the blocks and attributes already in the AutoCAD® drawing to automatically generate electrical models in ETAP and perform calculations and checks.

SmartPlant® Electrical

The ETAP-SPEL Data Exchange Interface provides data synchronization between ETAP and Intergraph's SmartPlant Electrical (SPEL).

- Data mapping
- Bi-directional project data synchronizations
- Synchronization of the ETAP cable library data
- Auto-creation of One-Line diagram in ETAP

AVEVA Engineering™

AVEVA Electrical / Engineering interface is a tool for synchronizing data between ETAP and AVEVA design software platforms.

- Bi-directional data exchange & synchronizations
- Auto-creation of One-Line diagram in ETAP

Universal Mapping

- Element & property mapping to 3rd party software
- Customizable logics & functions for electrical attributes
- Pre-defined math & power functions
- Supports CIM, ESRI ArcGIS, MultiSpeak, Excel