

Boost Simulation Accuracy & Productivity

ETAP 16.1 Release - Major Enhancements & Features

ETAP 16.1 Model-Driven Power System Design & Operations Software expands on immersive system modeling and comprehensive simulation capabilities.

Multi-Language Edition - Localized

- English
- Chinese
- Japanese
- Korean
- Russian
- Portuguese
- Spanish
- Italian*
- Turkish*

*Output Reports

Cable Capacity Sizing - IEC 60092

- Size Power Cables based on IEC 60092 Electrical Installation in Ships & Marine Vessels
- Line Conductor Sizing
- Consider Short-Time Duty
- Selectable Annex B for General Installations
- Enhanced Reports and Cable Manager

Datablock

- New Intelligent Device Settings Datablock
- Auto-update Device Functions & Settings
- Export One-Lines and Datablocks to AutoCAD™ (DXF) Drawing Files

System Elements

- Motor Operated Valve Dynamic Voltage Limits
- Enhanced Overhead Line Impedance Calculations
- Enhanced IEC Fuse Ratings

Short Circuit

- Export Short Circuit Analyzer Results to MS Excel
- User-Defined Fuse Test PF and X/R for Short-Circuit Duty Evaluation

User-Defined Dynamic Models - UDM

- Blazing performance up to 50 X faster
- Over 50 New UDM Models
 - » IEEE 421.5 Exciters
 - » IEEE 421.5 PSS, UEL and OEL
 - » WECC Approved Exciters and Governors
 - » Energy Storage Models
- Math functions with Multiple Inputs
- Go-To blocks for Internal and External Connections
- C# Scripting using MIMO Function Blocks

Wind Turbine Generator

- New Control Block Test Routines
- New Complex Terminal Voltage Input Blocks
- Complex Terminal Current Output Blocks

Transient Stability

- Consider MOV Dynamic Voltage Limits
- Enhanced Generator Excitation Systems

Expanded Engineering Libraries

- Verified & Validated Libraries Included with Release
- Download Verified Libraries from ETAP HelpDesk

Enhanced Modules

- Data Exchange (DataX)
- Underground Raceway Thermal Analysis
- Dynamic Parameter Estimation & Tuning (DPET)