

etap[®]

Energy Management Solutions

to Design, Operate, and Automate Power Systems



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The leading sustainable enterprise platform for electrical design, simulation, engineering, and operations

What we do

- We provide a comprehensive range of software, solutions and services to Design, Analyze, Engineer, Operate and Maintain electrical systems.
- Our offer enables a single source of truth for the entire Electrical Network through a multidimensional digital twin platform.

What makes us unique

- ETAP has the most comprehensive offer for ensuring electrical design and engineering consistency and seamless data flow across the project life cycle.
- We drive innovation to support sustainability, safety and resilience through continuous intelligence, with our model-driven electrical digital twin technology.
- Our wide geographical presence provides lightning-fast responsiveness in global, regional, and local markets.

Our commitments



Safety

ETAP prioritizes safety by allowing engineers to simulate and analyze electrical power systems, helping identify potential risks, and ensuring compliance with safety standards.



Sustainability

ETAP drives digital transformation for sustainability, supporting our customers in their energy transition, empowering them to make decisions for a green and smart future across the lifecycle.



Reliability

Elevate your electrical system's reliability to unprecedented levels with ETAP's advanced software solutions, ensuring optimal performance, proactive mitigation, and maximizing operational efficiency.



Resilience

We empower our clients to withstand adversity and minimize downtime, providing real-time adaptability, risk mitigation, and the assurance of continuous operations in the face of dynamic challenges.



Efficiency

ETAP streamlines the process of designing and analyzing electrical systems, improving efficiency in engineering workflows. It reduces the time and resources required with built in automation and collaboration tools. It also enables engineers to optimize system performance and make cost-effective decisions.

Supporting a diverse range of business sectors

across the global energy landscape

Generation



Distribution



Renewable



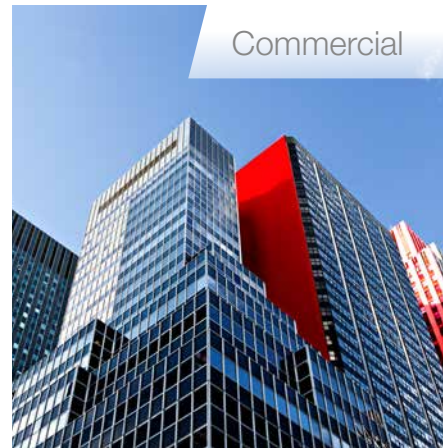
Transportation



Industrial



Commercial



Transmission



Data Centers



Benefits of moving to the new subscription bundles

Flexibility & Scalability

Dynamic solutions that adapt to your evolving needs, ensuring cost-effective and tailored packages for sustained success

Access & Availability

Easy access to our comprehensive software portfolio, whenever you need it

Faster Innovation Cycles

Incorporate best practices, stay up-to-date and future-ready with immediate access to latest improvements and innovation

Best in Class Technical Support

Leverage top notch technical assistance with remote desktop diagnostics from specialized dedicated teams

Optimize Total Cost of Ownership

Predict and better manage your costs by accurately forecasting opex expenditures

Mobile Accessibility

Access to etapAPP to streamline field data collection and model verification without the requirement of a separate license

Digital Collaboration

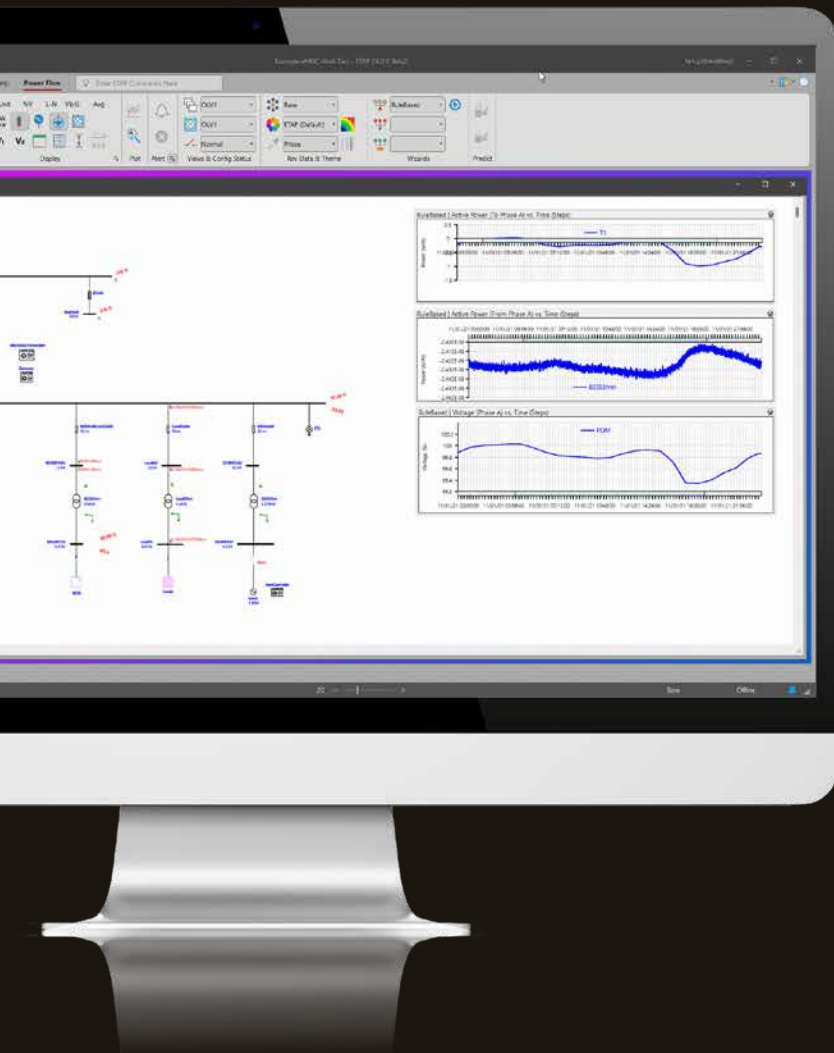
Global design and engineering teams can collaboratively work in parallel on the same project ensuring a single source of truth, thereby enhancing quality and increasing efficiency

Digital Documentation

Centralized data management and reporting repository

Design Engineering

Subscription solutions for design, analysis and optimization



Launch

Grow

Scale

Subscription Bundles

Flexible options for your unique requirements



Launch



- Bus Count - 100
- Load Flow
- Short Circuit
- Transformer Sizing & Tap Optimization
- Panel Schedule
- Cable Sizing
- NetPM™

Grow



- Bus Count - 500
- Load Flow
- Short Circuit
- Transformer Sizing & Tap Optimization
- Panel Schedule
- Cable Sizing
- NetPM™
- STAR - Protective Device Coordination
- STAR - Sequence-of-Operation
- STAR Auto - Automated Evaluation

Scale



- Bus Count - 1000
- Load Flow
- Short Circuit
- Transformer Sizing & Tap Optimization
- Panel Schedule
- Cable Sizing
- NetPM™
- STAR - Protective Device Coordination
- STAR - Sequence-of-Operation
- STAR Auto - Automated Evaluation
- Motor Acceleration
- Motor Parameter Estimation & Tuning
- Harmonics
- Interharmonics
- FlickerMeter™

+ Available Add Ons

For Your Unique Needs

Safety

Elevate safety through informed decision-making

ArcSafety

Arc Flash – IEEE 1584 & NFPA 70E
Arc Flash Auto Evaluation
ArcFault™

Cable System & Grounding

Ground Grid
Cable Underground Thermal
Cable Pulling
Cable EMF
Lightning Risk Assessment

DC Networks

DC Load Flow
DC Short Circuit
DC Arc Flash

International Cable Standards

British Std 7671
French Std NF C13-200 & C15-100
AS/NZS 3008 1.1 & 1.2
IEC 60092

Advanced Protection

StarZ – Distance Protection
Comtrade Processor & Viewer

Sustainability

Innovations for a greener energy landscape

Sustainability Analysis

Sustainability Analysis
Time Domain Load Flow
Reliability Assessment
Techno-Economic Analysis

Grid Code / Microgrid

Grid Code Analyzer
Quasi-Dynamic Load Flow
PQ Capability
Harmonics
Frequency Ride Through
Voltage Ride Through
Power Plant Controller Digital Twin
Microgrid Controller Digital Twin

Battery Management System

Battery Sizing
Battery Discharge

Reliability

Maximize power system reliability

Unbalanced Networks

Load Flow - UB
Short Circuit - UB
Harmonics - UB

Dynamic Stability

Transient Stability
Load Shedding
Microgrid Islanding
Transformer Inrush

Advanced Stability

User-Defined Dynamic Models
Generator Start-Up
Dynamic Parameter Estimation and Tuning

Control Systems

DC Control Systems
AC Control Systems

+ Available Add Ons

For Your Unique Needs

Efficiency

Streamline power system design and analysis processes

DataX

AVEVA™ Engineering
 Intergraph Smart® Electrical
 eMTCosim™
 PSCAD™
 EMTP-RV™

CAD

Autodesk® Revit®
 Autodesk® AutoCAD®
 MS Excel

GIS

Intelligent Geospatial Diagram
 CIM
 MultiSpeak®

Resiliency

Grid and network optimization to maximize system resiliency

Distribution Optimization

Switching Optimization
 Volt/Var Optimization
 Optimal Capacitor Placement
 Fault Management & Service Restoration
 Switching Sequence Management
 Feeder Hosting

Transmission Planning

Voltage Stability
 Optimal Power Flow
 Contingency Analysis
 Transmission Line Ampacity
 Transmission Line Sag & Tension

eTrax – Traction Power

Train Performance Calculator
 Timetable Generation
 Unified AC & DC Power Flow
 Battery Management System



Operational Simplicity

Subscription solutions for operations and maintenance



eSCADA

PSMS

OTS

eProtect

eSCADA

Model-driven electrical SCADA for monitoring and managing electrical systems



Launch



Real-Time Server
 Advanced Monitoring
 Dashboards
 Alarm Management
 Historian
 HMI Users - 1
 HMI Screens - 10
 Tag Limit - 10,000

Grow



Real-Time Server
 Advanced Monitoring
 Dashboards
 Alarm Management
 Historian
 Playback
 Redundancy
 HMI Users - 5
 HMI Screens - 20
 Tag Limit - 25,000

Scale



Real-Time Server
 Advanced Monitoring
 Dashboards
 Alarm Management
 Historian
 Playback
 Redundancy
 Web-based HMI
 HMI Users - 10
 HMI Screens - 40
 Tag Limit - 50,000

PSMS

Predict system behavior in response to operator actions



Launch



- Real-Time Server
- Advanced Monitoring
- State Estimation
- Simulate Before Operate
- What if Analysis

- Predictive Simulation
- Base Module
- Load Flow
- Short Circuit
- Transformer Sizing

Grow



- Real-Time Server
- Advanced Monitoring
- State Estimation
- Simulate Before Operate
- What if Analysis
- Playback Server

- Predictive Simulation
- Base Module
- Load Flow
- Short Circuit
- Transformer Sizing
- Motor Starting
- Harmonics

Scale



- Real-Time Server
- Advanced Monitoring
- State Estimation
- Simulate Before Operate
- What if Analysis
- Playback Server
- Situational Intelligence

- Predictive Simulation
- Base Module
- Load Flow
- Short Circuit
- Transformer Sizing
- Motor Starting
- Harmonics
- Switching Sequence Management
- Transient Stability
- Unbalanced Load Flow

eOTS

Advanced training solution to help control room operators learn the skills required to operate their power systems efficiently and reliably



Launch



Trainer Simulator
 OTS Sever
 OTS Client
 Playback Server
 Playback Client
 SCADA Operations

Trainee Machine
 Base Module
 Time Domain Load Flow

Grow



Trainer Simulator
 OTS Sever
 OTS Client
 Playback Server
 Playback Client
 SCADA Operations
 Switching & Maintenance
 Sequence

Trainee Machine
 Base Module
 Time Domain Load Flow
 Switching Sequence
 Management

Scale



Trainer Simulator
 OTS Sever
 OTS Client
 Playback Server
 Playback Client
 SCADA Operations
 Switching & Maintenance
 Sequence
 Power & Energy Management

Trainee Machine
 Base Module
 Time Domain Load Flow
 Switching Sequence
 Management
 Transient Stability

eProtect

Centralized protection and asset management for maintenance information and settings while complying with regulations and standards



Launch



Asset Management

Auditing & Settings History
Substation Hierarchical Model
Users - 1

Grow



Asset Management

Auditing & Settings History
Substation Hierarchical Model
Download Relay Settings
Asset Lifecycle Management
Settings Tracking Dashboard & Notifications
Users - 5

Scale



Asset Management

Auditing & Settings History
Substation Hierarchical Model
Download Relay Settings
Asset Lifecycle Management
Settings Tracking Dashboard & Notifications
Work Order Management
Users - 10

Advanced Fault Analysis System

Fault Detection
Fault Type Identification
Fault Location
Waveform Viewer

How to choose the right Subscription Bundle

01. Assess

- Assess your business requirements
- Assess your budget
- Assess your future needs

02. Compare

- Compare features and functionalities
- Compare prices
- Compare scalability

03. Select

- Get a demo
- Make the right choice

