etap Thinking Power for Power Engineers announcement

Electrical Power System Analysis Course

12 – 14 March 2007
Hotel in Jakarta

This Course in Theory Only

TOPICS:

General Overview, One-Line Diagram, Library Systems, Load Flow, Short-Circuit (ANSI and IEC), Arc Flash, Star (Device Coordination and Selectivity), Motor Acceleration

DESCRIPTION:

This course provides the skills, knowledge, and techniques necessary to become proficient in ETAP to conduct power system studies, from modeling to analysis. The purpose of this Course is to develop a thorough understanding of ETAP's capabilities and analytical techniques to solve a variety of practical problems.

COURSE INSTRUCTOR:

Instructor from OTI

FEE:

COURSE #1 will be at **US$. 500-00** per person, Is required to be attended in order to proceed to the other courses.
Selection of each course will be at **US$ 250-00** per person
For each participant who attends from COURSE #1 to COURSE #5 will be given an offer price of **US$. 1,280-00** per person
Fee does not include lodging, transportation and tax.

AGENDA:

Day 1 : COURSE #1
Day 2 : COURSE #2 and COURSE 3
Day 3 : COURSE #4 and COURSE 5

NOTE :

Seats are limited to 15 participants per-class.

REGISTRATION :

PT. CAHAYA SUKSES
PO BOX. 1252 Jakarta 12012 Indonesia
Contact : Moh. Hudri / Narti
E-mail : cahayas@cbn.net.id or csukses@centrin.net.id
Tel. (021) 7889 3712 / 3 Fax. (021) 560 1496

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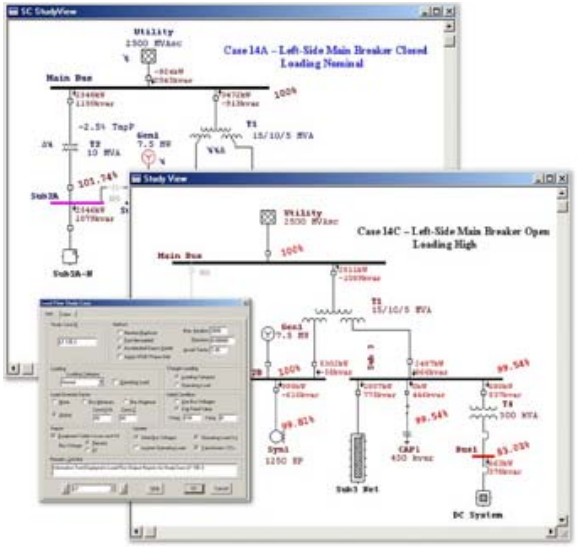
Thinking Power for Power Engineers

COURSE #1

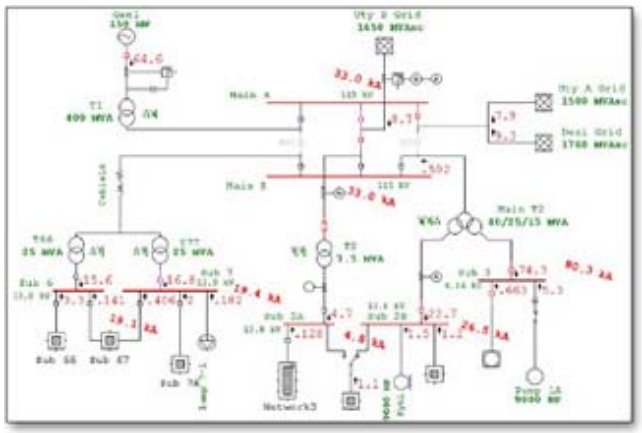
1) Modeling Electrical Systems

a) Creating a One-Line Diagram
   i) Build Skeleton of System
      (1) Creating a new project
         (a) Minimum Data entry
         (b) Load Flow to double-check
         (c) Explain error review process
   ii) Adding a New Substation
      (1) Minimum Data Entry
      (2) Cable Data Selector
   iii) Dealing with Sub-One Line Diagrams
      (1) System Dumpster
      (2) Composite Networks
   iv) Adding Protective Devices
      (1) Auto-Insert
      (2) Optional Data Entry
      (3) Show/Hide
   v) 3-D Modeling
      (1) Presentations
      (2) Configurations
      (3) Revisions



2) Load Flow Analysis

a) Open a Pre-Built Electrical System
   i) Display Results
   ii) Study Case
   iii) Calculation Methods
   iv) Voltage Drop
   v) Loading
   vi) Automatic Functions
   vii) Alerts
   viii) Reports



COURSE #2

1) Short Circuit Analysis

a) ANSI/IEEE Standards (C37)
b) IEC Standards
c) Transient Short-Circuit Analysis
d) Study Case
e) Calculation Methods
f) Device Evaluation
g) Alerts
h) Reports

COURSE #3

1) Device Coordination Analysis

a) Device Curve Review
b) Curve Selector
c) Interface with One-Line Diagrams
d) Interface with Short-Circuit
e) Changing Device Settings
f) Sequence of Operation
g) Plotting/Reports

COURSE #4

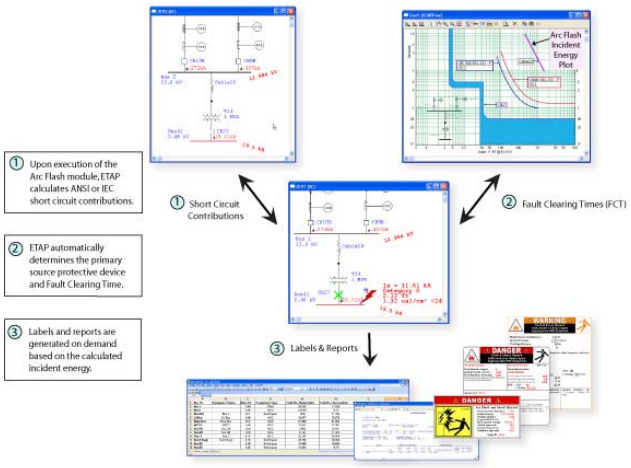
1) Arc Flash Analysis

a) NFPA 70E Standards
b) IEEE 1584 Standards
c) Data Entry
d) Calculation Methods
e) Evaluating Results
f) Reports
g) Labels
h) Safety Equipment

COURSE #5

1) Motor Acceleration

a) Static Acceleration
   i) Approximating No Load / Full Load Time
b) Dynamic Acceleration
   i) Minimum Data Entry
c) Load Transitioning
d) Time Toolbar
e) Adjusting Pre-Load
f) Load Sequencing
g) Increasing Load After Acceleration
h) Reports and Plots



NOTE :

By registering for the P.T. Cahaya Sukses, attending the seminar or making any use whatsoever of the material provided by P.T. Cahaya Sukses the participant or user of material acknowledges that the information and materials presented in the course of the seminar are for information purposes only. Examples and data used in the seminar as just that, examples that are being used to help the participants in gaining knowledge of product, materials and services available to the participants. Otherwise, ETAP makes no representation or warranties of any kind, express or implied, as to the information, content, materials, included. All title and intellectual property rights remain those of the respective content owner and any intellectual property protected by laws and treaties, without grant or rights to use, and not to copy or print.

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Registration Form

Electrical Power System Analysis Course

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Please complete a registration with payment to **PT. CAHAYA SUKSES** to confirm registration. Reservations are taken on a first come, first serve basis. Submitting this form electronically does NOT confirm your reservation. Contact cahayas@cbn.net.id or csukses@centrin.net.id if you have any questions.

Name _____

Position _____

Company _____

Address _____

Phone _____ Fax _____

E-mail _____

( ) Enclosed is my cheque no. _____ crossed & made payable to :
PT. Cahaya Sukses

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Selection of each course will be at **US$ 250-00** per person
For each participant who attends from *COURSE* #1 to *COURSE* #5 will be given an offer price of **US$. 1,280-00** per person

Remark:

1. A confirmation letter will be sent to you upon receipt of the enrollment form.
2. Any cancellation must be in writing and received by 14 days prior to the course date. Otherwise the full fee will be chargeable. PT. Cahaya Sukses reserves the right to reschedule, change venue or cancel the course due to unforeseen circumstances.
3. Course fee does not include lodging, transportation and taxes.

Note : For group registration, please photocopy this form for submission