



## ETAP Power System Analysis Workshop

13 – 15, October 2021

ETAP Learning Center

This is a practical 3 days session to learn the basic on one line diagram creation, data entry, and quick expands the user' know to include methods to automatically perform multiple 'what if' studies using multiple scenarios. This workshop includes Load Flow, Short-Circuit, Motor Acceleration and Protective Device Coordination.

*Each participant is provided a computer with ETAP software loaded for use during the class time. Training will be handed by ETAP authorized representative / instructor with practical experience.*

### Who Should Attend?

- ETAP users and power engineers who wish to increase their skills using ETAP application to perform system studies.
- Current users seeking a refresher course.
- Knowledge of power system engineering concepts is highly recommended for those attending this workshop.

Location: ETAP Learning Center

37 Jalan Pemimpin, #07-07 MAPEX Building, Singapore 577177

### Course Fee:

Singapore Dollars 2,000.00 / per person

1/. Fee does not include lodging, transportation and Singapore Government Tax.

2/. Fee include lunch & tea-break (13-15, October 2021).

3/. **Course is limited to 6 participants.** So please register early!

4/. Payment in full must be received Three weeks prior to start date of course.

Date: 13 - 15, October 2021

Time: 09:30 a.m. to 16.30 p.m. daily

Professional Development Units (No. of PDUs): 18

### Information / Registration:

#### **Vpower Solutions Pte Ltd**

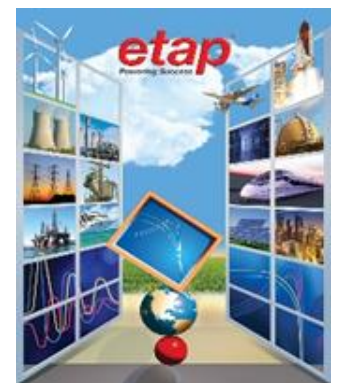
37 Jalan Pemimpin

#07-07 MAPEX Building, Singapore 577177

Tel: (65) 64814106 Fax: (65) 64814609

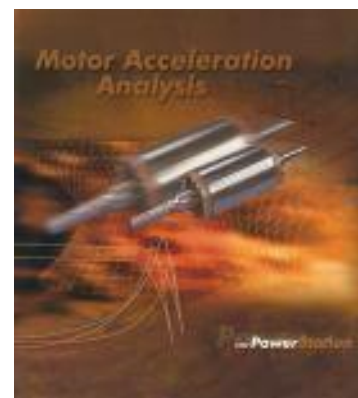
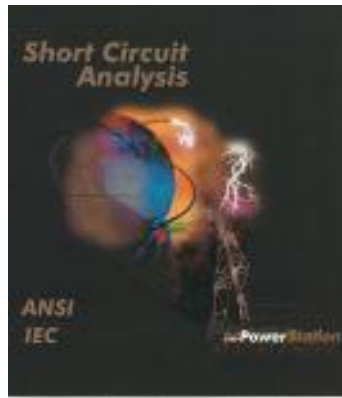
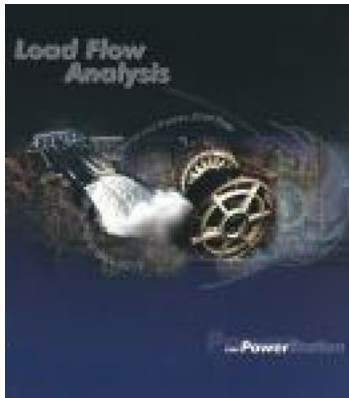
Email: [clara@vpower.com.sg](mailto:clara@vpower.com.sg); [robin@vpower.com.sg](mailto:robin@vpower.com.sg)

Website: [www.vpower.com.sg](http://www.vpower.com.sg)





## ETAP Workshop



## Agenda

### Topics

### Morning Session

09:30 A.M. – 12:30 P.M.

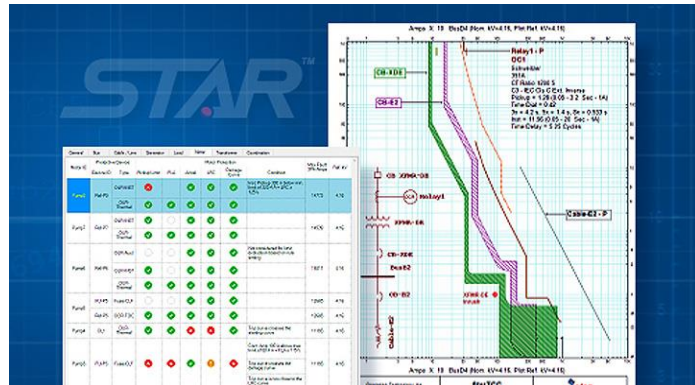
### Afternoon Session

13:30 P.M. – 16:30 P.M.

Day 1	<ul style="list-style-type: none"> <li>➤ ETAP Overview</li> <li>➤ One Line Diagram</li> <li>➤ ETAP 3-D Modeling</li> <li>➤ ETAP Library</li> </ul>	<ul style="list-style-type: none"> <li>➤ Load Flow Study</li> <li>➤ Equipment Evaluation</li> <li>➤ Load Flow Result Analyzer</li> <li>➤ Cable and Transformer Sizing</li> </ul>
Day 2	<ul style="list-style-type: none"> <li>➤ Short-Circuit Study (IEC)</li> <li>➤ Equipment Evaluation</li> <li>➤ Short-Circuit Result Analyzer</li> </ul>	<ul style="list-style-type: none"> <li>➤ Motor Acceleration Study</li> <li>➤ Motor CKT Modelling</li> <li>➤ Motor Parameter Estimation</li> </ul>



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### Topics

### Morning Session

09:30 A.M. – 12:30 P.M.

### Afternoon Session

13:30 P.M. – 16:30 P.M.

Day 3	<ul style="list-style-type: none"> <li>➤ Protective Device Coordination Study</li> <li>➤ TCC Plotting</li> <li>➤ Customized Libraries For Relay, Breaker &amp; Fuse</li> </ul>	<ul style="list-style-type: none"> <li>➤ Sequence of Operation</li> <li>➤ STAR Auto-Evaluation</li> </ul>
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[www.etap.com](http://www.etap.com)



# Registration Form

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Please complete a registration form with payment to Vpower Solutions Pte Ltd to confirm registration. Reservations are taken on a first come, first serve basis. Submitting this form electronically does NOT confirm your reservation. Contact [clara@vpower.com.sg](mailto:clara@vpower.com.sg) or [robin@vpower.com.sg](mailto:robin@vpower.com.sg) if you have any questions.

Name \_\_\_\_\_  
Position \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_  
E-mail \_\_\_\_\_

**Payment:**

Payment methods available:

- Cheques should be crossed and made payable to 'Vpower Solutions Pte Ltd'
- via local bank transfer
- via Paynow

**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. Vpower Solutions Pte Ltd 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.

*By registering for the Vpower Solutions Pte Ltd ("ETAP") training, attending the training or making any use whatsoever of the material provided by Vpower Solutions Pte Ltd the participant or user of material acknowledges that the information and materials presented in the course of the training 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 a 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.*

*In no event shall ETAP, its subsidiaries or affiliates, or their respective officers, directors, employees, representatives or agents (collectively called "ETAP") be liable for special, incidental, consequential, punitive, indirect, or other special damages, including but not limited to, loss of data, use, or profits, however caused, whether for breach of contract, negligence, or otherwise.*