

uneek

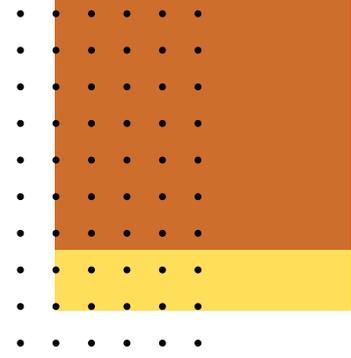
EDUCATIONAL SOLUTIONS



# INFORMATION BROCHURE

[www.UneekIndustrial.com](http://www.UneekIndustrial.com)

# COMPANY PROFILE

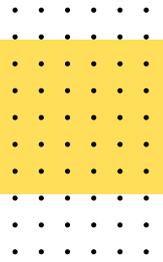


Technical Solutions International is a leading systems integrator that specialises in the development of complete facilities for capacity building in the area of maintenance technicians and engineers.

We have a unique approach that allows us to provide cost-effective laboratory and workshop facilities that are specifically designed to deliver world-class hands-on technical training.

We are able to supply complete packages of blended learning materials that include practical equipment and related eLearning content for both the instructor and the student. These materials can be mapped to meet the requirements of a wide range of Internationally recognised Vocational qualifications as well as commercial certification courses such as AP (Authorised Persons HV Commercial).

[www.tsi-dubai.com](http://www.tsi-dubai.com)



For over 30 years Technical Solutions International have been providing comprehensive resources for technical and vocational education. Today, we specialise in turnkey projects for the design, production and installation of complete On The Job Training Environments.

We provide industrial and educational end-users with training packages that meet the exact requirements of their training needs analysis (TNA) or training curriculum.

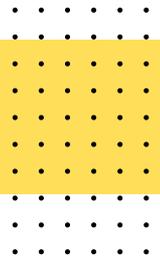
Each OJT plant is a physical simulation of the workplace where the trainees will ultimately be employed.

Working within these safe and controlled environment the trainees can develop the essential workplace skills that will allow them to become productive employees when they arrive at the real worksite.



What makes TSI's On The Job Training Environments unique is:

- Training is mapped to the end user's specific needs.
- Full Instructor Training program.
- Comprehensive curriculum materials.
- Associated computer-based training materials (CBT).
- Real industrial hardware and test equipment as found in the work place.
- Emphasis on hands-on skills and workplace safety.
- Large scale plants that provide realistic industrial situations such as confined working spaces and working at height.
- Cutaway industrial equipment including HV/ MV electrical hardware.



### Typical Solutions for TSI OJTE's Industrial Cabling Systems

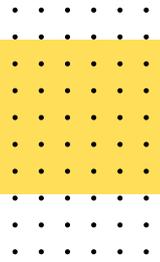
This is a specially designed On The Job Training Environment that covers inspection training for industrial cabling systems. It is built with real industrial equipment for training realism but within a safe environment.

Different types of industrial cable tray and basket systems are installed on a steel framework using a variety of standard hangers and fittings.

Power and data cables are run around the system to interconnect the various work station panels.

Provides training in the following areas:

- Industrial cabling systems for HV/MV/LV, Three Phase, Single Phase, Data, Fibre, KNX.
- HV/MV/LV Package Substation.
- 3Ph and 1Ph LV Distribution cabinets.
- Data Cabinets with data and fibre switches and hubs.
- Industrial motor control panel.
- Industrial switches and protection devices panel.
- KNX Installations panel.
- Domestic installations panel.
- Data installations panel.
- Under-floor and suspended ceiling installations.
- Fault finding with fault insertion facilities.



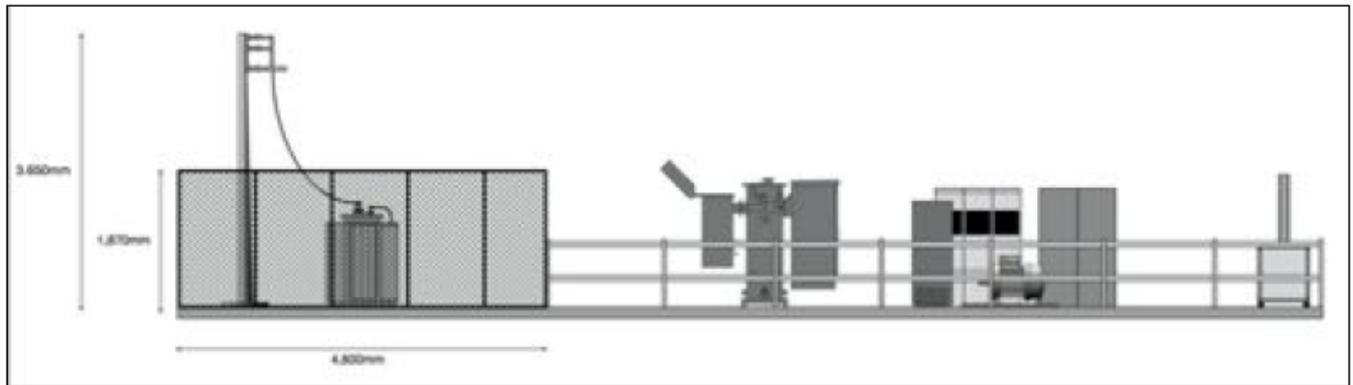
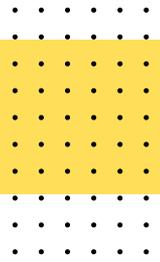
## Comprehensive Training Manuals



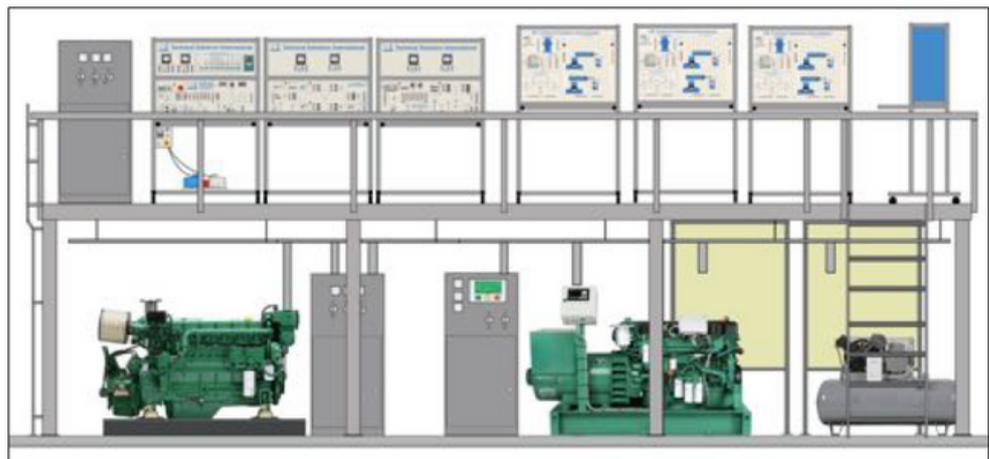
- Hands-On worksheets provide guided tasks for the trainees.
- Emphasis is always placed on Health and Safety and safe working practices.
- Working at height
- Comprehensive guidance on Third Party Inspection for Electrical Equipment.
- Industrial test equipment and tools provide trainees with the opportunity to develop workplace skills in safety.
- Lock Out and Tag Out (LOTO) activities emphasise this.
- Fault finding on live (Data only) and inert systems.
- Mechanical tasks such as construction of cable tray sections and cable installation.
- Use of data and fibre optic test equipment.
- Identification tasks for cables and equipment.

- Reading technical drawings, circuit diagrams and schematics.
- Reading manufacturer's technical information and comparing specifications to those of the actual equipment installed.
- Completing inspection reports and site documentation.

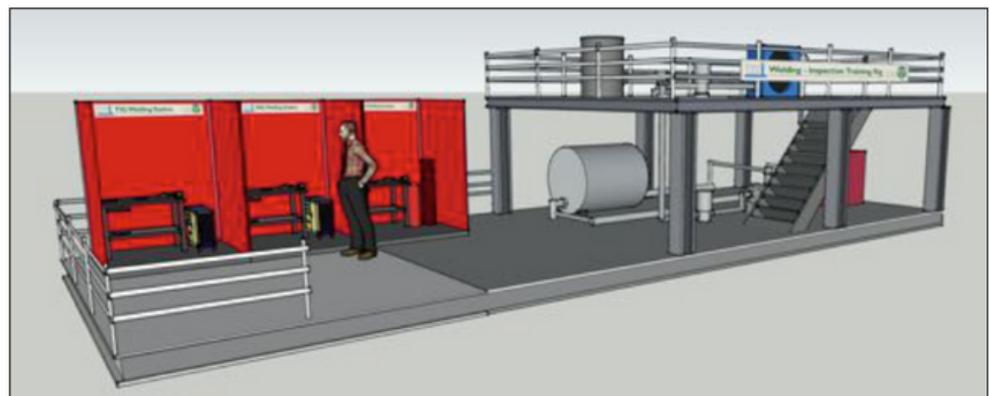




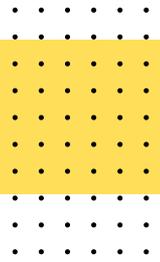
Electrical Substation OJTE



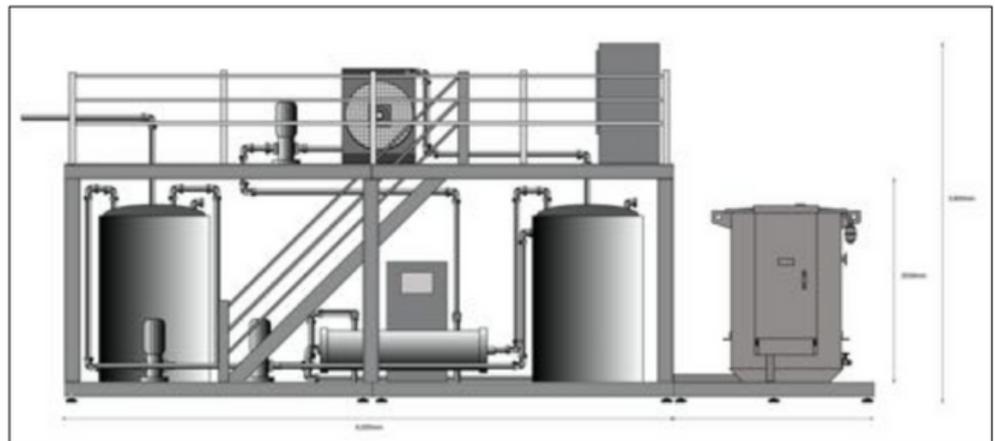
Welding Inspection OJTE



Marine Engineering OJTE



Civil Engineering Inspection OJTE



Industrial Process Control OJTE



Professional test equipment



Industrial Components

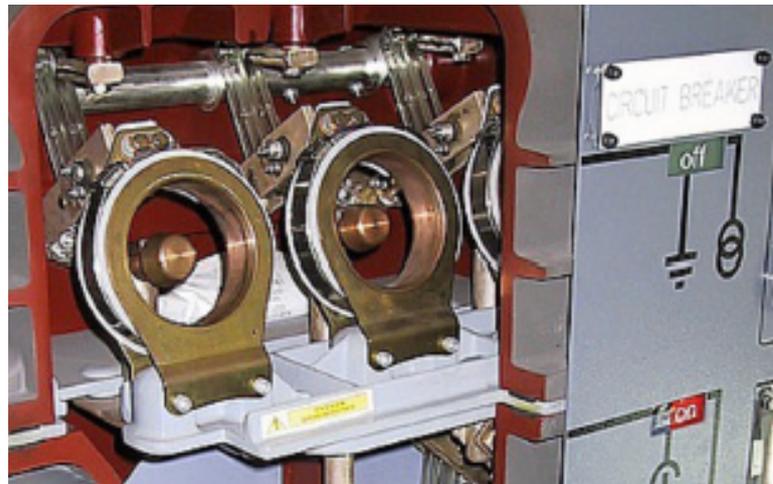


We offer a range of cutaway and sectioned high voltage and medium voltage electrical equipment for use in training.

The units are intended for demonstration purposes and provide an excellent means of exposing the inner workings of real equipment.

The cutaway sections have plexiglass covers where appropriate for safety reasons and to protect from dust and dirt.

Depending upon the type of equipment, units will either be new or refurbished to the manufacturer's original specification.



## Cut Section Transformers and Switchgear

TSI-CSDT100	100kVA ONAN - Oil Filled 3 PHASE Distribution Transformer Rated Primary Voltage: 11kV, Rated Secondary Voltages: 0.4, 0.415, 0.433kV. Cutaway Demonstration Unit.
TSI-CSDT500	500kVA ONAN - Oil Filled 3 PHASE Distribution Transformer Rated Primary Voltage: 11kV, Rated Secondary Voltages: 0.4, 0.415, 0.433kV. Cutaway Demonstration Unit.
TSI-CSPT1600	1600kVA ONAN - Oil Filled 3 PHASE Power Transformer Rated Primary Voltage: 11kV, Rated Secondary Voltages: 0.4, 0.415, 0.433kV. Cutaway Demonstration Unit.
TSI-CSRMU11	630A Ringmaster RMU 11kV, SF6 Insulated with 200A Vacuum Circuit Breaker, IDMT Over Current Relay, Earth Fault Relay, CTs for Tee off and cable box - 3 way ring. Cutaway Demonstration Unit.
TSI-CSRMU12	200A Sabre RMU type VCF-TC SF6 circuit breaker with Siemens IDMT relay, CTs for Tee off and cable box - 3 way ring. Cutaway Demonstration Unit.
TSI-CSOCB11kV	Reyrolle 11kV, 400A LMT, Hand Charge Spring Closing Oil Circuit Breaker, complete with shunt trip, & mechanical over-current & earth fault relay. Cutaway Demonstration Unit.
TSI-CSLVS	415V LV Switchboard, complete with 1600A ACB and 3 x 200A outgoing ways. Cutaway Demonstration Unit.
TSI-CSVCB400	400A Vacuum Circuit Breaker hand spring operated fitted with over current relay, ammeter and CT's. Cutaway Demonstration Unit.
TSI-CSVCB401	Schneider Genie Evo VC6-PI2 Vacuum Circuit Breaker Truck, motor wound, spring close, 110V DC. SEPAM 80 Relay, Test Block and CT's. Cutaway Demonstration Unit.



## **TRAINING FOR TOMORROW**

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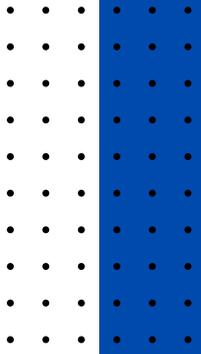
### About Us

Introducing Uneek Educational Solutions

We're Uneek ES, and we can't wait to start working together.

Your vision is important to us. We're eager to map out the needs of your school, your educators and your students.

STEM curriculum is our specialty, so let us help you find the right solutions for tomorrow.



## WHAT WE DO

- We are your partner in selecting the right educational programs for your technical focus
- Keep you up to date on new technologies and courses
- Utilize our network of contacts to find a provider that fits your needs

The logo for 'uneek' is displayed in a lowercase, sans-serif font. The letters are a dark orange color. The 'u' is partially obscured by a dark orange rectangular bar that extends from the left edge of the image. The 'n', 'e', 'e', and 'k' are fully visible. The logo is positioned on a light yellow rectangular background that is slightly offset to the right and bottom relative to the dark orange bar.

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