JOINT EFFORTS FOR TOMORROW’S NETWORK

TE connectivity (TE) and the National Power Training Institute of Nigeria (NAPTIN) are joining efforts to help develop installers skills. Nigeria’s power sector has been underinvested for several decades. Resulting problems include the dramatic insufficiency of infrastructure and a very low level of energy efficiency throughout the sector.

Thanks to this partnership, installers will be trained to build and maintain tomorrow’s network. The training includes a combination of high-quality products and highly technical knowledge.

TE Connectivity will be providing cable jointing materials for the trainings (medium voltage joints, switchgear connectors, medium voltage surge arresters) and sharing technical knowledge with NAPTIN’s trainers. NAPTIN will organize trainings sessions in some of its nine facilities in Nigeria. Together, they will offer a comprehensive training for Nigerian professionals.

Visit www.TE.com/naptin or naptin.org.ng/te for more details on the partnership and online registration.
In order to achieve the goal of becoming one of the top twenty economies in the world by the year 2020, the Federal Government of Nigeria embarked on the reform of the electricity power industry which led to the establishment of the National Power Training Institute of Nigeria (NAPTIN) on March 2009. NAPTIN is an agency of the Federal Government under the auspices of the federal Ministry of Power to provide capacity building and meet the training needs of the Nigerian Power Sector and beyond.

**TE CONNECTIVITY**

**CONNECTING & PROTECTING THE WORLD OF POWER**

TE Energy, one of TE Connectivity’s business units, offers a wide range of reliable and cost-effective products for the electrical power industry. As a leading supplier of electrical components, including cable jointing material, TE designs next-generation products. For over 60 years, TE has worked closely with customers around the globe to develop innovative solutions to ever-changing challenges, known under names such as Raychem, SiMEL, Axicom, B&H, Bowthorpe EMP, Crompton Instruments, Guro.

**TAILOR-MADE POWER SOLUTIONS FOR INDUSTRIES**

**NATIONAL POWER TRAINING INSTITUTE OF NIGERIA (NAPTIN)**

**POWER TRAINER WITH A DIFFERENCE**

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**MORE THAN 9,500 PEOPLE TRAINED**

Since 2009, NAPTIN has trained more than 9,500 Power Sector personnel. In parallel, a total of 710 professional engineers have been trained, graduated and certified through the NGSDP program. Today, NAPTIN offers trainings specifically designed for technical and non-technical professionals in Generation, Transmission and Distribution sub-sectors of the electricity industry.

**TECHNOLOGY IS A POWERFUL TOOL TO ENGAGE LIFELONG LEARNING**

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PARTNERS FOR BETTER CONNECTIONS

A WIDE OFFER OF TRAININGS
CONNECTING & PROTECTING THE WORLD OF POWER

- Training programs are designed based on entry-level experience. The preferred location of the training is the Regional Training Center, Kainji, Niger State, which is the biggest training center with more available lecturing facilities and guest (including trainee and instructor) accommodation.
- The technical courses are provided in all the centers and they are categorized into short term and long term courses. All these courses are specifically designed for Generation, Transmission and Distribution professionals.

- NAPTIN classroom courses for engineers and craftsmen are modularized - spanning from 2 to 5 modules for any course.
- Hands-on training are carried out in the field with live plants/equipment.
- NAPTIN uses industry practitioners within their work place as adjunct faculty.
- All courses are evidence based. Trainees sit for exam at the end of all modules.
- Daily structured log books are kept by each trainee which is subject to assessment and rating by external instructors, assessors and verifiers.
- Competence based certificates are issued to successful trainees, while unsuccessful ones are re-invited for classroom training.

SHORT TERM COURSES

- Basic Power System Protection (P1)
- Distance Protection Course (P2)
- Generator Protection (P3)
- Basic Instrument and Control Course for Engineers & Technicians
- SCADA System - SCS
- Energy Management System (EMS)
- Communication Equipment (SCE)
- **Cable Jointing Course**
- Distribution Substation Operation Course
- System Operations Course
- Senior Electrical Operator Course
- Electrical Maintenance Course on Transformer
- Electrical Maintenance Course on Switchgear
- System Lines Distribution Course
- Turbine Maintenance Course
- Mechanical Auxiliary Plant Mgt. Course
- Steam Turbine Training Course (Pupil Engineers)
- Gas Turbine Training Course (Pupil Engineers)
- Hydro Turbine Training Course
- Thermal Operators Course
- Maximum Demand Meter Course
- Electrical Fitters Course

* premier partnership classes
LONG TERM COURSES

NAPTIN Graduate Skills Development Program (NGSDP) – 1 year

GENERATION (electrical and mechanical)

- Maintenance Protection
- Electrical Maintenance on Transformers & Switchgears
- Generator Protection / Instrument & Control
- Maintenance of Steam Turbine/Combined Cycle (HRSG)
- Hydro Turbine
- Gas Turbine/Auxiliary Mechanic
- Leadership & Management

TRANSMISSION

- Protection, Control & Metering
- Electrical Maintenance
- System Planning
- System Operations
- Lines Maintenance
- SCADA
- System Communication
- Leadership & Management

DISTRIBUTION

- Operation & Maintenance
- Planning & Construction
- Protection, Control & Metering
- Communication
- Energy & Customer Marketing
- Leadership & Management

NAPTIN Technical Skills Acquisition Program (NTSAP) – 6 months to 1 year

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Jointing*</td>
<td>6 months</td>
</tr>
<tr>
<td>Electrical Fitter</td>
<td>6 months</td>
</tr>
<tr>
<td>Meter Installation, Maintenance &amp; Management</td>
<td>6 months</td>
</tr>
<tr>
<td>Solar Installation, Maintenance &amp; Management</td>
<td>6 months</td>
</tr>
<tr>
<td>Distribution Substation Operator (DSO)</td>
<td>1 year</td>
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<tr>
<td>Lines Maintenance</td>
<td>1 year</td>
</tr>
</tbody>
</table>

* premier partnership classes
FOR FURTHER INFORMATIONS

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WHEREVER ELECTRICITY FLOWS, YOU’LL FIND TE ENERGY

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