

# BATEN RABAH

Consultation, Training, Contracting & Evaluation Training Programme

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## Course Information Sheet

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| <b>Course Title</b>             | <b>APE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Duration</b>                 | 2 DAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Instructor</b>               | LAHBIB ABDELHAK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Course Description</b>       | Contrôle réglementaire de sécurité des installations et équipements électriques                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Course Related Standards</b> | ASME & ASTM<br>Normes applicables NFC 13 100 et NFC 15 100<br>Décret Algérien exécutif 90 245 et 90.246 portant sur l'utilisation, la surveillance l'entretien et la vérification des installations électriques.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Course Outlines</b>          | Scope of services<br>Diagnosis of the state of LV and HV electrical installations<br>Protection checks (cable sections)<br>Verification of the compatibility of the protections with respect to the neutral system<br>Verification of protective conductor connections<br>Check of the interconnection of the equipotentiality of the masses<br>Physical measurements and tests<br>Measurement of the resistance value of earth electrodes<br>Measurement of the insulation resistances of the main feeders<br>Tripping test of RCD differential circuit breakers (RESIDUAL CURRENT DIFFERENTIAL DEVICES).<br>Measurement of transformer winding resistances.<br>Testing of transformer protection relays. |
| <b>Training Methodology</b>     | Presentations.<br>Video.<br>Hard copy.<br>Soft copy data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |