

## REFERENCE LIST

**CCE**

**Abbreviations:**

S.S. - Substation  
 T.P.P. - Thermal power plant  
 G.P.P. - Geothermal power plant  
 H.P.P. - Hydro power plant

The reference list is updated annually and includes major assignments only. End users are defined as last instance where the individual reference can be traced and verified. Therefore they do not necessarily coincide with owner of the plant in question.

| Site   | Country        | Year | Main Contractor                          | End User                  | Description  |
|--|----------------|------|--|---------------------------|--|
| S.S. 220/22 kV<br>AIT BAHA                           | Morocco        | 2009 | ABB Energy<br>Automation S.p.A.<br>Italy | CIMAR<br>Morocco          | Configuration, setting and testing of the control and protection systems |
| S.S. 220/22 kV<br>AIT BAHA                           | Morocco        | 2009 | ABB Energy<br>Automation S.p.A.<br>Italy | CIMAR<br>Morocco          | Commissioning of the control and protection systems                      |
| TALUM d.d.<br>S.S. 110/10 kV                         | Slovenia       | 2009 | TALUM d.d.<br>Slovenia                   | TALUM d.d.<br>Slovenia    | Overhaul testing of the transformer protection systems for TR1 and TR2   |
| IMPOL d.o.o.<br>10 kV REACTIVE POWER<br>COMPENSATION | Slovenia       | 2009 | ELIM d.d.<br>Slovenia                    | IMPOL d.d.<br>Slovenia    | Overhaul testing of the power factor regulator                           |
| WPP CAPTAIN -<br>OFF SHORE                           | United Kingdom | 2009 | ABB Limited<br>United Kingdom            | CHEVRON<br>United Kingdom | Commissioning of communication converter SPA/MODBUS                      |
| QATAR, PHASE VII<br>3 S.S. 400/220/66/11 kV          | Qatar          | 2009 | ABB AG<br>Germany                        | AL KAHRA MAA<br>Qatar     | Commissioning of protection and SCS systems                              |
| S.S. AIN DJASSER<br>SWITCHYARD 220KV                 | Algeria        | 2009 | ABB Energy<br>Automation S.p.A.<br>Italy | SONELGAZ<br>Algeria       | Commissioning of the protection system and SCS                           |
| S.S. 220/60kV ARBAA                                  | Algeria        | 2009 | ABB Energy<br>Automation S.p.A.<br>Italy | SONELGAZ<br>Algeria       | Commissioning of the extended protection system and SCS                  |
| S.S. 60/5 kV<br>HASSI R'MEL                          | Algeria        | 2009 | ABB Energy<br>Automation S.p.A.<br>Italy | SONATRACH<br>Algeria      | Configuration, setting and testing of the control and protection systems |
| S.S. 60/5 kV<br>HASSI R'MEL                          | Algeria        | 2009 | ABB Energy<br>Automation S.p.A.<br>Italy | SONATRACH<br>Algeria      | Commissioning of the control and protection systems                      |
| MOBIL S.S. 220kV AND 60kV                            | Algeria        | 2009 | ABB Energy<br>Automation S.p.A.<br>Italy | SONELGAZ<br>Algeria       | Factory acceptance testing of protection and SCS systems                 |

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| <i>Site</i>  | <i>Country</i>  | <i>Year</i> | <i>Main Contractor</i>                            | <i>End User</i>  | <i>Description</i>   |
|--|-----------------|-------------|---|--|--|
| <i>STEEL WORKS QASCO<br/>S.S. 132/33kV</i>           | <i>Qatar</i>    | <i>2009</i> | <i>ABB Energy<br/>Automation S.p.A.<br/>Italy</i> | <i>STEEL WORKS<br/>QASCO<br/>Qatar</i>                   | <i>Factory acceptance<br/>testing of protection<br/>system</i>         |
| <i>S.S. 60/30KV<br/>EL MADHER</i>                    | <i>Algeria</i>  | <i>2009</i> | <i>ABB Energy<br/>Automation S.p.A.<br/>Italy</i> | <i>SONELGAZ<br/>Algeria</i>                              | <i>Intervention on<br/>gateway type<br/>COM581</i>                     |
| <i>H.P.P. ATATURK<br/>8 GENERATORS</i>               | <i>Turkey</i>   | <i>2009</i> | <i>ABB AG<br/>Germany</i>                         | <i>EUAÇ<br/>Turkey</i>                                   | <i>Commissioning of the<br/>control system</i>                         |
| <i>H.P.P. KARAKAYA<br/>6 GENERATORS</i>              | <i>Turkey</i>   | <i>2009</i> | <i>ABB AG<br/>Germany</i>                         | <i>EUAÇ<br/>Turkey</i>                                   | <i>Commissioning of the<br/>control system</i>                         |
| <i>COMBINED CYCLE T.P.P. 225<br/>MWA BHIKI</i>       | <i>Pakistan</i> | <i>2009</i> | <i>ABB PK<br/>Pakistan</i>                        | <i>HALMORE<br/>POWER<br/>GENERATION CO.<br/>Pakistan</i> | <i>Delivery of<br/>disturbance and event<br/>recording systems</i>     |
| <i>T.P.P. BRESTANICA<br/>2x114 MW TURBOGAS</i>       | <i>Slovenia</i> | <i>2009</i> | <i>T.P.P. Brestanica<br/>Slovenia</i>             | <i>T.P.P. Brestanica<br/>Slovenia</i>                    | <i>Upgrade of the control<br/>system</i>                               |
| <i>S.S. 110/20 kV<br/>SVETI NIKOLA</i>               | <i>Bulgaria</i> | <i>2009</i> | <i>ABB EOOD<br/>Bulgaria</i>                      | <i>EON<br/>Bulgaria</i>                                  | <i>Delivery of SCS and<br/>configuration of<br/>protection system</i>  |
| <i>S.S. 110/20 kV<br/>SVETI NIKOLA</i>               | <i>Bulgaria</i> | <i>2009</i> | <i>ABB EOOD<br/>Bulgaria</i>                      | <i>EON<br/>Bulgaria</i>                                  | <i>Commissioning of SCS<br/>and protection system</i>                  |
| <i>S.S. 220/70kV KOLTORP</i>                         | <i>Sweden</i>   | <i>2009</i> | <i>SWECO Energuide<br/>Sweden</i>                 | <i>EoN, Vattenfall,<br/>Fortum</i>                       | <i>S.S. extension –overall<br/>design of the<br/>secondary systems</i> |
| <i>REMOTE TERMINAL UNIT –<br/>ABB PRODUCT RTU560</i> | <i>Germany</i>  | <i>2009</i> | <i>ABB AG<br/>Germany</i>                         | <i>ABB AG<br/>Germany</i>                                | <i>Development of<br/>communication<br/>protocols</i>                  |