

## 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.. AL KHAZNA<br>220/33 kV                                | Abu Dhabi    | 2003 | Alstom T&D<br>France       | ADWEA<br>Abu Dhabi      | Commissioning of the protection system   |
| 66 kV Transmission Development 1997-2001                    | Bahrain      | 2003 | Alstom T&D<br>France       | MEW<br>Bahrain          | Commissioning of the protection system   |
| Development project in Chad and Cameroon<br>5 S.S. 66/33 kV | Chad         | 2003 | Alstom T&D<br>France       | ESSO<br>USA             | Commissioning of the protection systems and preparation of remote control system                             |
| S.S./T.P.P. QATIF PROJECT<br>115/13.8 KV                    | Saudi Arabia | 2003 | Alstom T&D<br>France       | Alstom T&D<br>France    | Design and delivery of automatic synchronizing system  |
| S.S. KATAMPE<br>330/132/33 kV                               | Nigeria      | 2003 | EnergO -<br>Nigeria        | N.E.P.A<br>Nigeria      | Delivery of line differential protection for 132 KV cable, optical infrastructure, OPGW & Fibber Optic cable |
| S.S. CENTRAL AREA<br>132/33 kV                              | Nigeria      | 2003 | EnergO -<br>Nigeria        | N.E.P.A<br>Nigeria      | Delivery of line differential protection for 132 KV cable, optical infrastructure, OPGW & Fibber Optic cable |
| TALUM d.d.<br>3 S.S.20/0.4 kV                               | Slovenia     | 2003 | TALUM D.D.<br>Slovenia     | TALUM d.d.<br>Slovenia  | Implementation into control system   |
| TALUM d.d.<br>3 S.S.20/0.4 kV                               | Slovenia     | 2003 | TALUM D.D.<br>Slovenia     | TALUM d.d.<br>Slovenia  | Configuration, setting and commissioning of protection system  |
| S.S. AÇAILANDIA<br>500 kV                                   | Brazil       | 2003 | ABB Utilities AB<br>Sweden | E.A.T.E. S.A.<br>Brazil | Commissioning of the protection and control system   |

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|---|---|------|--|---|--|
| S.S. MARABA<br>500 kV                       | Brazil  | 2003 | ABB Utilities AB<br>Sweden                 | E.A.T.E. S.A.<br>Brazil                     | Commissioning of<br>the protection<br>and control<br>system  |
| S.S. IMPERATRIZ<br>500 kV                   | Brazil  | 2003 | ABB Utilities AB<br>Sweden                 | E.A.T.E. S.A.<br>Brazil                     | Commissioning of<br>the protection<br>and control<br>system  |
| S.S./T.P.P. Brestanica<br>2x114 MW turbogas | Slovenia                                      | 2003 | TE Brestanica<br>Slovenia                  | TE<br>Brestanica<br>Slovenia                | Implementation<br>of numerical<br>protection<br>terminal into the<br>control system                                |
| S.S./T.P.P. Brestanica<br>2x114 MW turbogas | Slovenia                                      | 2003 | KORONA<br>Power<br>Engineering<br>Slovenia | TE<br>Brestanica<br>Slovenia                | Supervising on<br>implementation<br>of 110kV<br>switchyard<br>control system<br>into the central<br>control system |
| S.S. Plave<br>110/20 kV                     | Slovenia                                      | 2003 | MERKUR d.d.<br>Slovenia                    | Elektro<br>Primorska<br>Slovenia            | Design of energy<br>metering system  |
| S.S. Koper<br>110/20 kV                     | Slovenia                                      | 2003 | MERKUR d.d.<br>Slovenia                    | Elektro<br>Primorska<br>Slovenia            | Design of energy<br>metering system  |
| S.S. VLAZENICA<br>110/10 kV S.S.            | Serb<br>Republic<br>Bosnia and<br>Herzegovina | 2003 | Elektro Prenos<br>Banja Luka               | Elektro<br>Prenos Banja<br>Luka<br>RS - BIH | Extension of<br>control centre<br>(MicroSCADA(AB<br>B))  |
| S.S. PRIJEDOR 5<br>110/10 kV S.S.           | Serb<br>Republic<br>Bosnia and<br>Herzegovina | 2003 | Elektro Prenos<br>Banja Luka               | Elektro<br>Prenos Banja<br>Luka<br>RS - BIH | Extension of<br>control centre<br>(MicroSCADA(AB<br>B))  |
| S.S. UKRINA<br>110/10 kV S.S.               | Serb<br>Republic<br>Bosnia and<br>Herzegovina | 2003 | Elektro Prenos<br>Banja Luka               | Elektro<br>Prenos Banja<br>Luka<br>RS - BIH | Extension of<br>control centre<br>(MicroSCADA(AB<br>B))  |
| S.S. BANJA LUKA 1<br>110/10 kV S.S.         | Serb<br>Republic<br>Bosnia and<br>Herzegovina | 2003 | Elektro Prenos<br>Banja Luka               | Elektro<br>Prenos Banja<br>Luka<br>RS - BIH | Extension of<br>control centre<br>(MicroSCADA(AB<br>B))  |
| SONELGAZ/#4<br>S.S. 220/30 kV BEL<br>HIRANE | Algeria                                       | 2003 | ABB Energy<br>Automation SPA<br>Italy      | SONELGAZ<br>Algeria                         | Commissioning of<br>the protection<br>system   |

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| SONELGAZ/#4<br>S.S. 220/30 kV BEL<br>HIRANE        | Algeria   | 2003 | ABB Energy<br>Automation SPA<br>Italy                        | SONELGAZ<br>Algeria    | Commissioning of<br>the control<br>system   |
| Reactive energy<br>compensation<br>S.S.10 kV IMPOL | Slovenia  | 2003 | ELIM d.o.o.<br>Slovenia                                      | IMPOL d.d.<br>Slovenia | Design of<br>protection<br>system and PF<br>regulation  |
| Reactive power<br>compensation<br>S.S.10 kV IMPOL  | Slovenia  | 2003 | ABB SI<br>Slovenia   | IMPOL d.d.<br>Slovenia | Configuration,<br>setting and<br>parameterization<br>of protection and<br>reactive power<br>regulation<br>systems |
| EDELCA/CARUACHI<br>1 S.S. 400kV                    | Venezuela | 2003 | ABB Switchgear<br>Sweden                                     | EDELCA<br>Venezuela    | Commissioning of<br>the protection<br>system  |
| EDELCA/CARUACHI<br>1 S.S. 400kV                    | Venezuela | 2003 | ABB Switchgear<br>Sweden                                     | EDELCA<br>Venezuela    | Commissioning of<br>centralized<br>disturbance<br>recording<br>systems  |
| T.P.P. JEBEL ALI<br>DEWA                           | Dubai     | 2003 | ABB Energy<br>Automation SPA<br>/ ANSALDO<br>ENERGY<br>Italy | DEWA<br>Dubai          | Training course<br>for generator<br>protection<br>system for end<br>user staff                                    |