

## CCE references 2003

- **TS JEBBA, 330kV**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **TS JEBBA, 330kV, KADUNA**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **TS JEBBA, 330kV, KADUNA, AKANGBA**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **TS JEBBA, 330kV, KADUNA, AKANGBA, AJA**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **PS JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **PS JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **PS JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **PS JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **PS JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **PS JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **PS JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE**  
N.E.P.A.  
Replacement of distance protection on 330kV line - design and delivery and extension of existing protection and control system of two bays
- **TS JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN**  
N.E.P.A.  
Design and delivery

- S.S. JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV  
TRANSELECTRICA  
Design and delivery of protection system
- S.S. JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV, EDELCA/CARUACHI 1, 400kV  
EDELCA  
Commissioning of centralized disturbance recording systems
- S.S./T.P.P. JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV, EDELCA/CARUACHI 1, 400kV, QATIF PROJECT, 115/13,8kV  
Saudi Arabian Oil Company  
Commissioning of automatic synchronizing system
- MV SWITCHGEAR JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV, EDELCA/CARUACHI 1, 400kV, QATIF PROJECT, 115/13,8kV, Paper mill Vevče  
Paper mill Vevče  
Commissioning of medium voltage cells
- Three S.S. JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV, EDELCA/CARUACHI 1, 400kV, QATIF PROJECT, 115/13,8kV, Paper mill Vevče, TALUM d.d. , 20/0,4kV  
TALUM d.d.  
Extension of SCADA system and configuration. Commissioning of SAS and protection system
- JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV, EDELCA/CARUACHI 1, 400kV, QATIF PROJECT, 115/13,8kV, Paper mill Vevče, TALUM d.d. , 20/0,4kV, Gorenjske elektrarne  
GORENJSKE ELEKTRARNE  
Delivery and configuration of generator protection
- S.S./T.P.P. JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV, EDELCA/CARUACHI 1, 400kV, QATIF PROJECT, 115/13,8kV, Paper mill Vevče, TALUM d.d. , 20/0,4kV, Gorenjske elektrarne, BRESTANICA 2x114 MW TURBOGAS, 110/10kV  
TE Brestanica  
Implementation of the communication link with the regional control center
- S.S. JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV, EDELCA/CARUACHI 1, 400kV, QATIF PROJECT, 115/13,8kV, Paper mill Vevče, TALUM d.d. , 20/0,4kV, Gorenjske elektrarne, BRESTANICA 2x114 MW TURBOGAS, 110/10kV, BEL HIRANE, 220/30kV  
SONELGAZ  
Commissioning of the protection and SCADA system
- S.S. JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV, EDELCA/CARUACHI 1, 400kV, QATIF PROJECT, 115/13,8kV, Paper mill Vevče, TALUM d.d. , 20/0,4kV, Gorenjske elektrarne, BRESTANICA 2x114 MW TURBOGAS, 110/10kV, BEL HIRANE, 220/30kV, NEZLA, 220/30kV  
SONELGAZ  
Commissioning of the protection and SCADA system
- S.S. JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV, EDELCA/CARUACHI 1, 400kV, QATIF PROJECT, 115/13,8kV, Paper mill Vevče, TALUM d.d. , 20/0,4kV, Gorenjske elektrarne, BRESTANICA 2x114 MW TURBOGAS, 110/10kV, BEL HIRANE, 220/30kV, NEZLA, 220/30kV, HADJIRA, 220/30kV  
SONELGAZ  
Commissioning of the protection and SCADA system
- S.S. JEBBA, 330kV, KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI, 220/10kV, EDELCA/CARUACHI 1, 400kV, QATIF PROJECT, 115/13,8kV, Paper mill Vevče, TALUM d.d. , 20/0,4kV, Gorenjske elektrarne, BRESTANICA 2x114 MW TURBOGAS, 110/10kV, BEL HIRANE, 220/30kV, NEZLA, 220/30kV, HADJIRA, 220/30kV  
SONELGAZ  
Commissioning of the protection and SCADA system

**MW TURBOGAS**, 110/10kV, **BEL HIRANE**, 220/30kV, **NEZLA**, 220/30kV, **HADJIRA**, 220/30kV,  
**MONSOURAH**, 60/30/10kV

SONELGAZ

Commissioning of the protection and SCADA system

- **S.S. JEBBA**, 330kV, **KADUNA**, **AKANGBA**, **AJA**, **BENIN**, **AJAOKUTA**, **JEBBA**, **EGBIN**, **KAINJI**,  
**SHIRORO**, **SAPELE**, **EGBIN**, **PITESTI**, 220/10kV, **EDELCA/CARUACHI 1**, 400kV, **QATIF PROJECT**,  
115/13,8kV, **Paper mill Vevče**, **TALUM d.d.**, 20/0,4kV, **Gorenjske elektrarne**, **BRESTANICA 2x114**  
**MW TURBOGAS**, 110/10kV, **BEL HIRANE**, 220/30kV, **NEZLA**, 220/30kV, **HADJIRA**, 220/30kV,  
**MONSOURAH**, 60/30/10kV, **SEDDIKIA**, 60/30/10kV

SONELGAZ

Commissioning of the protection and SCADA system

- **S.S. JEBBA**, 330kV, **KADUNA**, **AKANGBA**, **AJA**, **BENIN**, **AJAOKUTA**, **JEBBA**, **EGBIN**, **KAINJI**,  
**SHIRORO**, **SAPELE**, **EGBIN**, **PITESTI**, 220/10kV, **EDELCA/CARUACHI 1**, 400kV, **QATIF PROJECT**,  
115/13,8kV, **Paper mill Vevče**, **TALUM d.d.**, 20/0,4kV, **Gorenjske elektrarne**, **BRESTANICA 2x114**  
**MW TURBOGAS**, 110/10kV, **BEL HIRANE**, 220/30kV, **NEZLA**, 220/30kV, **HADJIRA**, 220/30kV,  
**MONSOURAH**, 60/30/10kV, **SEDDIKIA**, 60/30/10kV, **EL HARRACH**, 60/10kV

SONELGAZ

Commissioning of the protection and SCADA system

- **S.S. JEBBA**, 330kV, **KADUNA**, **AKANGBA**, **AJA**, **BENIN**, **AJAOKUTA**, **JEBBA**, **EGBIN**, **KAINJI**,  
**SHIRORO**, **SAPELE**, **EGBIN**, **PITESTI**, 220/10kV, **EDELCA/CARUACHI 1**, 400kV, **QATIF PROJECT**,  
115/13,8kV, **Paper mill Vevče**, **TALUM d.d.**, 20/0,4kV, **Gorenjske elektrarne**, **BRESTANICA 2x114**  
**MW TURBOGAS**, 110/10kV, **BEL HIRANE**, 220/30kV, **NEZLA**, 220/30kV, **HADJIRA**, 220/30kV,  
**MONSOURAH**, 60/30/10kV, **SEDDIKIA**, 60/30/10kV, **EL HARRACH**, 60/10kV, **ARBA**, 220/60kV

SONELGAZ

Commissioning of the protection and SCADA system

- **T.P.P. JEBBA**, 330kV, **KADUNA**, **AKANGBA**, **AJA**, **BENIN**, **AJAOKUTA**, **JEBBA**, **EGBIN**, **KAINJI**,  
**SHIRORO**, **SAPELE**, **EGBIN**, **PITESTI**, 220/10kV, **EDELCA/CARUACHI 1**, 400kV, **QATIF PROJECT**,  
115/13,8kV, **Paper mill Vevče**, **TALUM d.d.**, 20/0,4kV, **Gorenjske elektrarne**, **BRESTANICA 2x114**  
**MW TURBOGAS**, 110/10kV, **BEL HIRANE**, 220/30kV, **NEZLA**, 220/30kV, **HADJIRA**, 220/30kV,  
**MONSOURAH**, 60/30/10kV, **SEDDIKIA**, 60/30/10kV, **EL HARRACH**, 60/10kV, **ARBA**, 220/60kV, **RAS**  
**ABU FONTAS**

AL KAHRAMAA

Generator protection system: Training course for end user staff

- **S.S. JEBBA**, 330kV, **KADUNA**, **AKANGBA**, **AJA**, **BENIN**, **AJAOKUTA**, **JEBBA**, **EGBIN**, **KAINJI**,  
**SHIRORO**, **SAPELE**, **EGBIN**, **PITESTI**, 220/10kV, **EDELCA/CARUACHI 1**, 400kV, **QATIF PROJECT**,  
115/13,8kV, **Paper mill Vevče**, **TALUM d.d.**, 20/0,4kV, **Gorenjske elektrarne**, **BRESTANICA 2x114**  
**MW TURBOGAS**, 110/10kV, **BEL HIRANE**, 220/30kV, **NEZLA**, 220/30kV, **HADJIRA**, 220/30kV,  
**MONSOURAH**, 60/30/10kV, **SEDDIKIA**, 60/30/10kV, **EL HARRACH**, 60/10kV, **ARBA**, 220/60kV, **RAS**  
**ABU FONTAS, NORTH SUPER**

AL KAHRAMAA

Delivery of BCU REC561

Extension of existing substation control system, design, configuration and

- **S.S. JEBBA**, 330kV, **KADUNA**, **AKANGBA**, **AJA**, **BENIN**, **AJAOKUTA**, **JEBBA**, **EGBIN**, **KAINJI**,  
**SHIRORO**, **SAPELE**, **EGBIN**, **PITESTI**, 220/10kV, **EDELCA/CARUACHI 1**, 400kV, **QATIF PROJECT**,  
115/13,8kV, **Paper mill Vevče**, **TALUM d.d.**, 20/0,4kV, **Gorenjske elektrarne**, **BRESTANICA 2x114**  
**MW TURBOGAS**, 110/10kV, **BEL HIRANE**, 220/30kV, **NEZLA**, 220/30kV, **HADJIRA**, 220/30kV,  
**MONSOURAH**, 60/30/10kV, **SEDDIKIA**, 60/30/10kV, **EL HARRACH**, 60/10kV, **ARBA**, 220/60kV, **RAS**  
**ABU FONTAS, NORTH SUPER, AL MUSSAFAH**, 400/220kV

ADWEA

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Commissioning of the protection system

- **S.S. JEBBA**, 330kV, **KADUNA**, **AKANGBA**, **AJA**, **BENIN**, **AJAOKUTA**, **JEBBA**, **EGBIN**, **KAINJI**,  
**SHIRORO**, **SAPELE**, **EGBIN**, **PITESTI**, 220/10kV, **EDELCA/CARUACHI 1**, 400kV, **QATIF PROJECT**,  
115/13,8kV, **Paper mill Vevče**, **TALUM d.d.**, 20/0,4kV, **Gorenjske elektrarne**, **BRESTANICA 2x114**  
**MW TURBOGAS**, 110/10kV, **BEL HIRANE**, 220/30kV, **NEZLA**, 220/30kV, **HADJIRA**, 220/30kV,  
**MONSOURAH**, 60/30/10kV, **SEDDIKIA**, 60/30/10kV, **EL HARRACH**, 60/10kV, **ARBA**, 220/60kV, **RAS**  
**ABU FONTAS, NORTH SUPER, AL MUSSAFAH**, 400/220kV, **AL KHAZNA**, 220/33kV

ADWEA

Commissioning of the protection system

- **S.S. JEBBA**, 330kV, **KADUNA, AKANGBA, AJA, BENIN, AJAOKUTA, JEBBA, EGBIN, KAINJI, SHIRORO, SAPELE, EGBIN, PITESTI**, 220/10kV, **EDELCA/CARUACHI 1**, 400kV, **QATIF PROJECT**, 115/13,8kV, **Paper mill Vevče, TALUM d.d.**, 20/0,4kV, **Gorenjske elektrarne, BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **BEL HIRANE**, 220/30kV, **NEZLA**, 220/30kV, **HADJIRA**, 220/30kV, **MONSOURAH**, 60/30/10kV, **SEDDIKIA**, 60/30/10kV, **EL HARRACH**, 60/10kV, **ARBAА**, 220/60kV, **RAS ABU FONTAS, NORTH SUPER, AL MUSSAFAH**, 400/220kV, **AL KHAZNA**, 220/33kV, **AL SHAHAMA**, 220/33kV

ADWEA

Commissioning of the protection system