

CCE references 2011

- **T.P.P. 600MW T.P.P. 6th OCTOBER**, 220kV
Elaboration of IED configurations and workshop testing and commissioning of the protection system and SCS
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV
EEPCO
Overall design, production, FAT, erection supervision and commissioning of delivered material. Extension of protection and control systems for existing stations.
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV
EEPCO
Overall design, production, FAT, erection supervision and commissioning of delivered material. Extension of protection and control systems for existing stations.
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV
EEPCO
Overall design, production, FAT, erection supervision and commissioning of delivered material. Extension of protection and control systems for existing stations.
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV
EEPCO
Overall design, production, FAT, erection supervision and commissioning of delivered material. Extension of protection and control systems for existing stations.
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADDEED II**, 220/34kV
Steelworks Hadeed
Survey and update of the interlocking in ABB control system
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADDEED II**, 220/34kV, **TALUM d.d.**, 110/10kV
Talum d.d.
Overall testing of protection system and replacement of COM500 and COM501 communication computers
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADDEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV
EON Bulgaria
Commissioning of SCS system.
- **600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADDEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**
THE TIMKEN COMPANY
Upgrade of SVC
- **OIL RIG 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADDEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN** Chevron UK
Preventive testing of the line differential protection of MV cable
- **T.P.P. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADDEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV

TE Brestanica

Corrective maintenance of control system

- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **AMARA**, 400/220kV
MOE
FAT of protection and SCS
- **T.P.P. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **AMARA**, 400/220kV, **VESTERHASSING SYNCHRONOUS COMPENSATOR**
ENERGINET DK
FAT of protection system
- **T.P.P. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **AMARA**, 400/220kV, **VESTERHASSING SYNCHRONOUS COMPENSATOR**, **600MW 6th OCTOBER**, 220kV
Commissioning of the protection system and SCS
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **AMARA**, 400/220kV, **VESTERHASSING SYNCHRONOUS COMPENSATOR**, **600MW 6th OCTOBER**, 220kV, **HADEED II**, 220/34kV
Steelworks Hadeed
Upgrade and extension of RTU configuration and logic
- **600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **AMARA**, 400/220kV, **VESTERHASSING SYNCHRONOUS COMPENSATOR**, **600MW 6th OCTOBER**, 220kV, **HADEED II**, 220/34kV
STEG GAS
Technical support and testing of RTU560. Gas monitoring applications
- **N.P.P. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **AMARA**, 400/220kV, **VESTERHASSING SYNCHRONOUS COMPENSATOR**, **600MW 6th OCTOBER**, 220kV, **HADEED II**, 220/34kV,
VATTENFALL FORKSMARK
Vattenfall
Commissioning of MV
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **AMARA**, 400/220kV, **VESTERHASSING SYNCHRONOUS COMPENSATOR**, **600MW 6th OCTOBER**, 220kV, **HADEED II**, 220/34kV,
VATTENFALL FORKSMARK, **SKIKDA VILLE**
SONELGAZ - CDE, PROJECT 2 SCADA
Redesign and upgrade RTU based control systems
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **AMARA**, 400/220kV, **VESTERHASSING SYNCHRONOUS COMPENSATOR**, **600MW 6th OCTOBER**, 220kV, **HADEED II**, 220/34kV,

**VATTENFALL FORKSMARK, SKIKDA VILLE, BEAJA
SONELGAZ - CDE, PROJECT 2 SCADA**
Redesign and upgrade RTU based control systems

- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **AMARA**, 400/220kV, **VESTERHASSING SYNCHRONOUS COMPENSATOR**, **600MW 6th OCTOBER**, 220kV, **HADEED II**, 220/34kV, **VATTENFALL FORKSMARK, SKIKDA VILLE, BEAJA, UGWUAJI**, 330/132/33kV
NIPP TRANSMISSION
Complete overall design and delivery of control, protection and AC/DC supply systems
- **S.S. 600MW T.P.P. 6th OCTOBER**, 220kV, **DEBRE MARKOS**, 400/230/66/15kV, **LEGETAFO**, 230/132/15kV, **SEBETA II**, 400/230/33kV, **SULULTA ETSIP2**, 400/230/132/33/15kV, **HADEED II**, 220/34kV, **TALUM d.d.**, 110/10kV, **SUNNY BEACH**, 110/20kV, **TIMKEN IRON WORKS**, **CAPTAIN**, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV, **AMARA**, 400/220kV, **VESTERHASSING SYNCHRONOUS COMPENSATOR**, **600MW 6th OCTOBER**, 220kV, **HADEED II**, 220/34kV, **VATTENFALL FORKSMARK, SKIKDA VILLE, BEAJA, UGWUAJI**, 330/132/33kV, **OKE ARO**, 330/132/33kV
NIPP TRANSMISSION
Complete overall design and delivery of control, protection and AC/DC supply systems