

## 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, HADEED 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, HADEED 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, HADEED 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, HADEED 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, HADEED 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, HADEED 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, BEJAJA**

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, BEJAJA, 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, BEJAJA, UGWUAJI, 330/132/33kV, OKE ARO, 330/132/33kV**  
NIPP TRANSMISSION

Complete overall design and delivery of control, protection and AC/DC supply systems