

## CCE references 2016

- **S.S. SAMALAJU**, 275/132/33kV  
SARAWAK ENERGY BERHAD Malaysia  
Commissioning of C.B. SWITCHSYNC F236 regulator – Continued
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV  
CERRO VERDE Peru  
Commissioning of C.B. SWITCHSYNC F236 regulator - Continued
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV  
NATIONAL GRID UK  
Commissioning of C.B. SWITCHSYNC F236 regulator
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV  
ETESA Panama  
Commissioning of C.B. SWITCHSYNC F236 regulator
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV  
VATTENFALL UK  
Commissioning of C.B. SWITCHSYNC F236 regulator
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV  
SP ENERGY NETWORK UK  
Commissioning of C.B. SWITCHSYNC F236 regulator
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV, **VOLA**, 33kV  
SEPS Slovakia  
Commissioning of C.B. SWITCHSYNC F236 regulator
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV, **VOLA**, 33kV, **NEW CITY CENTRE**, 132/33kV  
TANESCO Tanzania  
Erection supervision and commissioning of protection, control, communication and AC/DC supply systems
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV, **VOLA**, 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV  
TANESCO Tanzania  
Erection supervision and commissioning of protection and control systems
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV, **VOLA**, 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV  
TANESCO Tanzania  
Erection supervision and commissioning of protection and control systems
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV, **VOLA**, 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV  
TANESCO Tanzania  
Erection supervision and commissioning of protection and control systems
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV, **VOLA**, 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV  
NGCP Philippines  
Commissioning of extension of substation automation system
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV,

**CARDIFF** , 400kV, **KILGALLIOCH** , 275kV, **VOLA** , 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV

NGCP Philippines

Commissioning of extension of substation automation system

- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA** , 230kV, **CARDIFF** , 400kV, **KILGALLIOCH** , 275kV, **VOLA** , 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV  
RWANDA ENERGY GROUP Rwanda  
Commissioning of control, telecommunication and protection system
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA** , 230kV, **CARDIFF** , 400kV, **KILGALLIOCH** , 275kV, **VOLA** , 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV  
RWANDA ENERGY GROUP Rwanda  
Commissioning of control, telecommunication and protection system
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA** , 230kV, **CARDIFF** , 400kV, **KILGALLIOCH** , 275kV, **VOLA** , 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV  
ZESCO Zambia  
Delivery of protection, control, telecommunication and LVAC/DC systems
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA** , 230kV, **CARDIFF** , 400kV, **KILGALLIOCH** , 275kV, **VOLA** , 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV  
ZESCO Zambia  
Delivery of protection, control, telecommunication and LVAC/DC systems
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA** , 230kV, **CARDIFF** , 400kV, **KILGALLIOCH** , 275kV, **VOLA** , 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV  
ZESCO Zambia  
Design and delivery of protection, control, telecommunication and LVAC/DC systems
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA** , 230kV, **CARDIFF** , 400kV, **KILGALLIOCH** , 275kV, **VOLA** , 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **KAPOMBO**, 132/33/11kV  
ZESCO Zambia  
Design and delivery of protection, control, telecommunication and LVAC/DC systems
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA** , 230kV, **CARDIFF** , 400kV, **KILGALLIOCH** , 275kV, **VOLA** , 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **KAPOMBO**, 132/33/11kV, **MUMBEZHI**, 132/33/11kV  
ZESCO Zambia  
Design and delivery of protection, control, telecommunication and LVAC/DC systems
- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA** , 230kV, **CARDIFF** , 400kV, **KILGALLIOCH** , 275kV, **VOLA** , 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **KAPOMBO**, 132/33/11kV, **MUMBEZHI**, 132/33/11kV,

**ZAMBEZI, 132/33/11kV**

ZESCO Zambia

Design and delivery of protection, control, telecommunication and LVAC/DC systems

- **S.S. SAMALAJU, 275/132/33kV, AREQUIPA, 500/220kV, HUNTERSTON, 400kV, PANAMA , 230kV, CARDIFF , 400kV, KILGALLIOCH , 275kV, VOLA , 33kV, NEW CITY CENTRE, 132/33kV, ILALA, 132/33/11kV, MAKUMBUSHO, 132/33/11kV, RAILWAY STATION, 33/11kV, CEBU, 138kV, COLON, 138kV, NTENDEZI, 110/30kV, BUGARAMA, 110/6,6kV, LUMWANA, 330/132/32kV, MWINILUNGA, 132/33/11kV, MUFUMBWE, 132/33/11kV, KAPOMBO, 132/33/11kV, MUMBEZHI, 132/33/11kV, ZAMBEZI, 132/33/11kV, CHAVUMA, 132/33/11kV**  
ZESCO Zambia  
Design and manufacturing of protection, control, telecommunication and LVAC/DC systems
- **S.S. SAMALAJU, 275/132/33kV, AREQUIPA, 500/220kV, HUNTERSTON, 400kV, PANAMA , 230kV, CARDIFF , 400kV, KILGALLIOCH , 275kV, VOLA , 33kV, NEW CITY CENTRE, 132/33kV, ILALA, 132/33/11kV, MAKUMBUSHO, 132/33/11kV, RAILWAY STATION, 33/11kV, CEBU, 138kV, COLON, 138kV, NTENDEZI, 110/30kV, BUGARAMA, 110/6,6kV, LUMWANA, 330/132/32kV, MWINILUNGA, 132/33/11kV, MUFUMBWE, 132/33/11kV, KAPOMBO, 132/33/11kV, MUMBEZHI, 132/33/11kV, ZAMBEZI, 132/33/11kV, CHAVUMA, 132/33/11kV, LUKULU, 132/33/11kV**  
ZESCO Zambia  
Design and manufacturing of protection, control, telecommunication and LVAC/DC systems
- **S.S. SAMALAJU, 275/132/33kV, AREQUIPA, 500/220kV, HUNTERSTON, 400kV, PANAMA , 230kV, CARDIFF , 400kV, KILGALLIOCH , 275kV, VOLA , 33kV, NEW CITY CENTRE, 132/33kV, ILALA, 132/33/11kV, MAKUMBUSHO, 132/33/11kV, RAILWAY STATION, 33/11kV, CEBU, 138kV, COLON, 138kV, NTENDEZI, 110/30kV, BUGARAMA, 110/6,6kV, LUMWANA, 330/132/32kV, MWINILUNGA, 132/33/11kV, MUFUMBWE, 132/33/11kV, KAPOMBO, 132/33/11kV, MUMBEZHI, 132/33/11kV, ZAMBEZI, 132/33/11kV, CHAVUMA, 132/33/11kV, LUKULU, 132/33/11kV, LUMWANA, 330/132/32kV**  
ZESCO Zambia  
Commissioning of protection, control, telecommunication and LVAC/DC systems
- **S.S. SAMALAJU, 275/132/33kV, AREQUIPA, 500/220kV, HUNTERSTON, 400kV, PANAMA , 230kV, CARDIFF , 400kV, KILGALLIOCH , 275kV, VOLA , 33kV, NEW CITY CENTRE, 132/33kV, ILALA, 132/33/11kV, MAKUMBUSHO, 132/33/11kV, RAILWAY STATION, 33/11kV, CEBU, 138kV, COLON, 138kV, NTENDEZI, 110/30kV, BUGARAMA, 110/6,6kV, LUMWANA, 330/132/32kV, MWINILUNGA, 132/33/11kV, MUFUMBWE, 132/33/11kV, KAPOMBO, 132/33/11kV, MUMBEZHI, 132/33/11kV, ZAMBEZI, 132/33/11kV, CHAVUMA, 132/33/11kV, LUKULU, 132/33/11kV, LUMWANA, 330/132/32kV, MWINILUNGA, 132/33/11kV**  
ZESCO Zambia  
Commissioning of protection, control, telecommunication and LVAC/DC systems
- **S.S. SAMALAJU, 275/132/33kV, AREQUIPA, 500/220kV, HUNTERSTON, 400kV, PANAMA , 230kV, CARDIFF , 400kV, KILGALLIOCH , 275kV, VOLA , 33kV, NEW CITY CENTRE, 132/33kV, ILALA, 132/33/11kV, MAKUMBUSHO, 132/33/11kV, RAILWAY STATION, 33/11kV, CEBU, 138kV, COLON, 138kV, NTENDEZI, 110/30kV, BUGARAMA, 110/6,6kV, LUMWANA, 330/132/32kV, MWINILUNGA, 132/33/11kV, MUFUMBWE, 132/33/11kV, KAPOMBO, 132/33/11kV, MUMBEZHI, 132/33/11kV, ZAMBEZI, 132/33/11kV, CHAVUMA, 132/33/11kV, LUKULU, 132/33/11kV, LUMWANA, 330/132/32kV, MWINILUNGA, 132/33/11kV, MUFUMBWE, 132/33/11kV**  
ZESCO Tanzania  
Commissioning of protection, control, telecommunication and LVAC/DC systems
- **S.S. SAMALAJU, 275/132/33kV, AREQUIPA, 500/220kV, HUNTERSTON, 400kV, PANAMA , 230kV, CARDIFF , 400kV, KILGALLIOCH , 275kV, VOLA , 33kV, NEW CITY CENTRE, 132/33kV, ILALA, 132/33/11kV, MAKUMBUSHO, 132/33/11kV, RAILWAY STATION, 33/11kV, CEBU, 138kV, COLON, 138kV, NTENDEZI, 110/30kV, BUGARAMA, 110/6,6kV, LUMWANA, 330/132/32kV, MWINILUNGA, 132/33/11kV, MUFUMBWE, 132/33/11kV, KAPOMBO, 132/33/11kV, MUMBEZHI, 132/33/11kV, ZAMBEZI, 132/33/11kV, CHAVUMA, 132/33/11kV, LUKULU, 132/33/11kV, LUMWANA, 330/132/32kV, MWINILUNGA, 132/33/11kV, MUFUMBWE, 132/33/11kV, TALUM d.d., 110/10kV**  
TALUM d.d. Slovenia  
Upgrade of substation control system – MicroSCADA and integration of new 10kV switchyard and existing S.S.
- **S.S. SAMALAJU, 275/132/33kV, AREQUIPA, 500/220kV, HUNTERSTON, 400kV, PANAMA , 230kV, CARDIFF , 400kV, KILGALLIOCH , 275kV, VOLA , 33kV, NEW CITY CENTRE, 132/33kV, ILALA,**

132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **KAPOMBO**, 132/33/11kV, **MUMBEZHI**, 132/33/11kV, **ZAMBEZI**, 132/33/11kV, **CHAVUMA**, 132/33/11kV, **LUKULU**, 132/33/11kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **TALUM d.d.**, 110/10kV, **TALUM d.d.**, 110/10kV

TALUM d.d. Slovenia

Configuring and commissioning of new protection IEDs

- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV, **VOLA**, 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **KAPOMBO**, 132/33/11kV, **MUMBEZHI**, 132/33/11kV, **ZAMBEZI**, 132/33/11kV, **CHAVUMA**, 132/33/11kV, **LUKULU**, 132/33/11kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **TALUM d.d.**, 110/10kV, **TALUM d.d.**, 110/10kV, **TALUM d.d.**, 110/10kV

TALUM d.d. Slovenia

Complete design, manufacture and delivery of 110/10kV transformer TR2 and TR3 protection and AVR systems

- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV, **VOLA**, 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **KAPOMBO**, 132/33/11kV, **MUMBEZHI**, 132/33/11kV, **ZAMBEZI**, 132/33/11kV, **CHAVUMA**, 132/33/11kV, **LUKULU**, 132/33/11kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **TALUM d.d.**, 110/10kV, **TALUM d.d.**, 110/10kV, **TALUM d.d.**, 110/10kV, **TALUM d.d.**, 110/10kV

TALUM d.d. Slovenia

Design of interlocking and functional testing of protection IEDs.

- **S.S. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV, **VOLA**, 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **KAPOMBO**, 132/33/11kV, **MUMBEZHI**, 132/33/11kV, **ZAMBEZI**, 132/33/11kV, **CHAVUMA**, 132/33/11kV, **LUKULU**, 132/33/11kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **TALUM d.d.**, 110/10kV, **TALUM d.d.**, 110/10kV, **TALUM d.d.**, 110/10kV, **IMPOL d.d.**, 20kV

IMPOL d.d. Slovenia

Overhaul testing of reactor power compensation capacitor battery control and protection system

- **T.P.P. SAMALAJU**, 275/132/33kV, **AREQUIPA**, 500/220kV, **HUNTERSTON**, 400kV, **PANAMA**, 230kV, **CARDIFF**, 400kV, **KILGALLIOCH**, 275kV, **VOLA**, 33kV, **NEW CITY CENTRE**, 132/33kV, **ILALA**, 132/33/11kV, **MAKUMBUSHO**, 132/33/11kV, **RAILWAY STATION**, 33/11kV, **CEBU**, 138kV, **COLON**, 138kV, **NTENDEZI**, 110/30kV, **BUGARAMA**, 110/6,6kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **KAPOMBO**, 132/33/11kV, **MUMBEZHI**, 132/33/11kV, **ZAMBEZI**, 132/33/11kV, **CHAVUMA**, 132/33/11kV, **LUKULU**, 132/33/11kV, **LUMWANA**, 330/132/32kV, **MWINILUNGA**, 132/33/11kV, **MUFUMBWE**, 132/33/11kV, **TALUM d.d.**, 110/10kV, **TALUM d.d.**, 110/10kV, **TALUM d.d.**, 110/10kV, **IMPOL d.d.**, 20kV, **BRESTANICA 2x114 MW TURBOGAS**, 110/10kV

TE Brestanica

Modification and maintenance of the control system