



REFERENCE LIST

GROUP: GENERAL SERVICES

Year of delivery: 2013

Item	Project Name	Project scope	Customer	End Customer	Country	Remarks
1	Egger 20kV s/s	Relay coordination study	SIEMENS	Egger Romania	Romania	SIEMENS relays: 7SJ62
2	KIA 132kV s/s	General commissioning activities	SAE Power Lines - Italy	Tanzania Electric Co.	Tanzania	
3	Donau Chem 6kV s/s	Relay commissioning	SIEMENS	Donau-Chem	Romania	SIEMENS relays: 7UM62
4	Targusor-1, Targusor-3 110kV s/s	Relay commissioning	SIEMENS	ENEL Green Power	Romania	SIEMENS relays: 7SA6, 7SD52, 7UT6, 7SJ64
5	Training: Secondaries of MV substations	-general considerations; -theory of automatic change-over; -theory of automatic load-shedding;	SIEMENS	SIEMENS	Romania	
6	Training: 7SD52 Relay	-general considerations; -theory of differential protection; -theory of distance protection; -setting notes;	SIEMENS	TRANSELECTRICA	Romania	
7	Bacau Sud 110kV s/s	Protection and automation cubicle design	ALSTOM	TRANSELECTRICA	Romania	ALSTOM relays
8	Tulcea Vest 400kV s/s	Protection and automation cubicle design	ALSTOM	TRANSELECTRICA	Romania	ALSTOM relays

9	Bucharest South 110kV s/s	Modification on existing protection cubicles	SIEMENS	TRANSELECTRICA	Romania	Modifications necessary to implement line differential protection
10	SIEMENS Romania Testing Room	Protection and automation racks design	SIEMENS	SIEMENS	Romania	SIEMENS relays
11	Biharia 110kV s/s	Protection and automation cubicle design	SIEMENS	ELECTRICA Transilvania Nord	Romania	SIEMENS relays
12	Cerna 110kV s/s	Protection and automation cubicle design	SIEMENS	Wind Power	Romania	SIEMENS relays
13	Cerna 110kV s/s	Cubicle design	TIAB	Wind Power	Romania	SIEMENS, ABL-Sursum, Mueller-Ziegler
14	Valeni 110kV s/s	Protection and automation cubicle design	SIEMENS	ELECTRICA Muntenia Nord	Romania	SIEMENS Relays, EES Annunciators
15	Training: SIPROTEC Relays, IEC 61850 application	-general considerations; -using IEC61850 for substation interlockings -using IEC61850 for automatic change-over	SIEMENS	CEZ Oltenia	Romania	
16	Petrobrazi: automatic disconnection from the grid	Protection and automation cubicle design, system engineering, commissioning services	SIEMENS	OMV-PETROM Petrobrazi Refinery	Romania	SIEMENS relays
17	Petrobrazi: automatic sincronisation with the grid	Protection and automation cubicle design, system engineering, commissioning services	SIEMENS	OMV-PETROM Petrobrazi Refinery	Romania	SIEMENS relays