

# REFERENCES



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# ELECTRICAL SUBSTATIONS



N.	YEAR	LOCATION	DESCRIPTION
968	2021	Vedado and Almendares (Cuba)	Electrical equipment, included MV switchgear, LV switchboard, conditioning and lighting system, power transformers, SCADA system, for electrical substations.
907	2021	Matanzas (Cuba)	Indoor electrical substation 34.5/13.8kV containing n. 24 MV GIS cubicles ATR-Ring 34.5/13.8kV 630A 20kA 60Hz, SCADA system, LV panels, transformers, auxiliary equipment.
936	2021	Cayo Coco Bazan-Man (Cuba)	HV substation, containing n. 11 MV AIS Normal Clad Duplex cubicles 24kV 1250A 25kA (3s)
947	2021	Cayo Coco y Cayo Romano (Cuba)	N. 6 HV substations containing n. 80 MV AIS Normal Clad cubicles 36kV
932	2021	Holguín (Cuba)	Revamping and empowerment of an outdoor electrical substation 34.5/13.8kV MV/MV serving a tourist center located in Holguín, including n. 2 MV switchgears 24kV and 36kV 1250A 25kA with internal arc detection sensors, LV panels, PACiS SCADA system, auxiliary equipment
938	2021	Holguín (Cuba)	HV substation «Ramon de Antilla» 110/34.5kV, including n. 17 MV AIS Normal Clad cubicles, for the supply of electricity to a new hotel structure
967	2021	Pieve Vergonte (Italy)	Electrical works to expand the HV substation serving the Hydrochem Srl plant. Installation and commissioning of electrical equipment through a two-phases process of substation energizing

N.	YEAR	LOCATION	DESCRIPTION
930	2020	Durrës (Albania)	N. 1 HV electrical substation 110/20kV 25MVA for hydroelectric power plant
902	2019	Adria, Loc. Smergoncino (Italy)	Installation of electrical equipment for HV Substation 132kV in "Cartiere del Polesine"
871	2019	Artemisa (Cuba)	Extension of 110kV and 36kV HV electrical substations
768	2019	Varadero (Cuba)	Indoor electrical substation "Casco Histórico" 110/13.8kV 25MVA, containing Normal Clad switchgears 24kV 1250A 25kA
717	2019	Varadero (Cuba)	HV electrical substation 110/34.5kV 2X25MVA "Punta Hicacos"
710	2019	Antillana de Acero (Cuba)	Renewing of HV electrical substation 220/38/34.5/6kV for a steelwork factory
830	2018	Shpellë (Albania)	Electrical substation 115/6.3kV 4.7MVA, containing ATR switchgears 12kV 630A 16kA for hydroelectric plant
820 + 821	2018	Algeri (Algeria)	Delivery and transformation substations 2x1600kVA-30kV/5.5kV-50HZ and 2x800kVA-30kV/0.4kV-50Hz, equipped with MV switchgears, LV panels, MV/MV and MV/LV transformers, electrical grid managing system.
738	2017	Varadero (Cuba)	43km 123kV cable for interconnection of substations: Varadero, Casco Histórico e Hicacos
685	2016	Puerto Escondido (Cuba)	HV electrical substation "Puerto Escondido" 110/34.5kV 25MVA
645	2016	Nuevitas (Cuba)	HV electrical substation containing MV Normal Clad switchgears 6kV 2500/1250A 25kA for thermoelectric plant

<b>N.</b>	<b>YEAR</b>	<b>LOCATION</b>	<b>DESCRIPTION</b>
IT-083	2016	Tiranë (Albania)	N. 4 power transformers up to 20/25 MVA for power increase of electrical substations
IT-077	2016	Çëmericë, Korçë (Albania)	N. 2 HV-MV Substations 110/7.3kV 8MVA
IT-079	2015	Cairo (Egypt)	Supply of electrical equipment for electrical plant extension
652	2013	Artemisa (Cuba)	HV electrical substation 34.5kV, containing SCADA System, n. 16 MV ATR and Normal Clad cubicles
IT-061	2015	Porto Alegre (Brazil)	Electrical equipment for substation start-up
740	2015	Aremisa (Cuba)	HV electrical substation 110/34.5kV 2x40MVA
708	2014	Havana (Cuba)	Supply of protection relays for HV electrical substation 225kV
620	2014	Isla de la Juventud (Cuba)	HV electrical substation 13,8kV containing n. 22 MV Normal Clad cubicles 34.5kV 1250A 25kA
612	2014	Havana (Cuba)	HV electrical substation «Tallapiedra» 110/13.8kV 40MVA
648	2013	Cayo Santa Maria (Cuba)	HV electrical substation containing n. 22 MV Normal Clad cubicles 13.8kV 200A 24kA
614	2013	Varadero (Cuba)	Indoor electrical substation 110/13.8kV 25MVA
642	2012	Artemisa (Cuba)	HV GIS electrical substation 110/34.5 kV 25MVA

N.	YEAR	LOCATION	DESCRIPTION
633	2012	Cayo Coco, Cayo Guillermo, Uva Caleta, Flamenco (Cuba)	N. 4 HV Electrical Substations: <ul style="list-style-type: none"> <li>• Cayo Coco substation 13.8kV and 34.5kV 16/20MVA</li> <li>• Cayo Guillermo substation 13.8kV and 34.5kV 10MVA</li> <li>• Flamenco substation 13.8kV and 34.5kV 6,3MVA</li> <li>• Caleta substation 13.8kV and 34.5kV 6,3MVA</li> </ul>
IT-025	2011	Tirana (Albania)	HV electrical substation 110kV, including MV ATR switchgear 35kV 1250A 31.5kVA
IT-010	2009	Croydon (UK)	Protection panels for electrical substation 34.5kV 24Vdc

# MOBILE SUBSTATIONS



N.	YEAR	LOCATION	DESCRIPTION
965	2021	Villeta (Paraguay)	N. 1 mobile substation 24kV, equipped with n.10 MV AIS Normal Clad cubicles 24kV, 110Vdc UPS, motorized cable reel.
939	2021	Rio de Janeiro (Brazil)	N. 1 mobile substation 30MVA,69-34,5/13,8-11,95kV for Enel Brazil.
799	2017	Fushë-Krujë (Albania)	HV-MV Mobile substation 110/20kV 40MVA, containing MV ATR switchgears 20kV 1250A 16kA
IT-089	2016	Fushë Krujë, Fier (Albania)	N. 2 MV-LV mobile substations 35/10.5/6.3kV and 630kVA 20/10/0.4kV 7.5MVA
IT-086	2016	Udënisht, Korçë (Albania)	HV-MV mobile substation 115/37.5/10.5kV 10MVA
IT-047	2015	Aragua (Venezuela)	HV-MV mobile substation 115/13.8kV 10MVA
IT-017	2013	Basra (Iraq)	N. 2 HV mobile substations 110/33kV 16MVA

# STC-BOX



N.	YEAR	LOCATION	DESCRIPTION
1054	2022	Dorset (The UK)	STC-Box Switchroom 33kV for Tesla Compact substation including MV electrical switchgear 36kV 630A 25kA (1sec), LV panels Euro-SDS, auxiliary equipment.
1019	2021	Gulf area (Lybia)	N. 2 switching stations STC-Box equipped with switchgear 12kV and 36kV, LV switchboard Euro-SDS, firefighting system, auxiliary equipment.
1009+ 1010	2021	Maresca (Italy)	N. 1 compact substation STC-Box, MV AIS ATR switchgears 36kV 2000A 25kA and 36kV 1250A 25kA, LV switchboard Euro-SDS, transformers, energy power generator, auxiliary equipment.
969	2021	La Havana (Cuba)	N. 10 portable e-Houses STC-Kiosk 100/150/300 kVA for temporary applications in building sites in Cuban province. They are equipped with MV GIS switchgear ATR-Ring 34.5kV 630A 16kA, LV switchboard, power transformers LV/MV, SCADA system.
970	2021	Artemisa (Cuba)	N. 1 compact substation, equipped with GIS MV ATR-Ring switchgear 36kV 630A 16kA (n. 15 cubicles), LV switchboards, SCADA system.
953	2021	Croydon (United Kingdom)	N. 3 compact substations 36kV and 12kV, containing MV AIS Normal Clad switchgear, LV switchboard, auxiliary equipment.
917	2021	Marghera Levante (Italy)	N. 2 GIS compact substations 245kV, containing MV electrical switchgears on a skid basement.



N.	YEAR	LOCATION	DESCRIPTION
935	2020	Turin (Italy)	<p>N. 2 STC-Box compact substations for "Vehicle to Grid" project, in the FCA (FIAT Chrysler Automobiles) plant in Mirafiori.</p> <ul style="list-style-type: none"> <li>• Power Station 2MW, containing n. 2 MV AIS ATR cubicles 3kV 630A 16kA, LV panels, power transformers;</li> <li>• Power Station 3,5MW, containing n. 2 MV AIS ATR cubicles 22kV 630A 25kA and LV panels, power transformers.</li> </ul>
924	2020	Nafoora (Libya)	<p>N. 11 STC-Box compact substation for oil plant in Nafoora:</p> <ul style="list-style-type: none"> <li>• N. 4 STC-Box 34.5 KV;</li> <li>• N. 4 STC-Box 4.16 kV;</li> <li>• N. 3 STC-Box 480V;</li> </ul> <p>containing MV AIS Normal Clad cubicles, LV panels, auxiliary equipment.</p>
915	2020	Nafoora (Libya)	<p>N. 1 STC-Box compact substation 4.16kV IP54, equipped with n. 4 MV GIS ATR-Ring cubicles 4.16kV 630A 20kA, LV panels, auxiliary equipment.</p>
887+ 885	2020	Havana (Cuba)	<p>N. 1 pre-assembled modular STC-Box designed for the electrical supply of public lighting systems, containing MV GIS switchgear ATR-Ring 36kV 630A 16kA, LV switchboards, power transformer, SCADA system, auxiliary electrical material. It is connected to n. 12 STC-Kiosk with ring configuration.</p>
927	2020	Artemisa (Cuba)	<p>N. 2 modular, pre-assembled STC-Box cabins, for the expansion of a power plant serving the industrial area of Artemisa, in Cuba, equipped with MV GIS ATR-Ring switchgear 36kV 630A 16kA, transformers, inverter, LV panels, SCADA system, auxiliary equipment.</p>



N.	YEAR	LOCATION	DESCRIPTION
847	2019	Antillana de Acero (Cuba)	N. 8 STC-Box compact substations for steelwork application, including: <ul style="list-style-type: none"> <li>• N. 4 Normal Clad furnace cubicles 40.5kV 2000A 40kA</li> <li>• N. 96 Normal Clad cubicles 12kV 2500A 25kA</li> </ul>
15 NA 04	2019	Bordj Omar Drisse, El Goléa, Talmine, Tindouf, Djanet, Timiaouine (Algeria)	Nr. 6 compact substations STC-Box 36kV 2500A 25kA
793	2017	Tripoli (Libya)	N. 3 compact substations STC-Box 36kV 1250A 25kA and n. 1 compact substation STC-Box 4.16kV 1250A 25kA
IT-060	2014	Peshkopi (Dibër) - Albania	N. 1 compact substation STC-Box 35/20/10kV for hydropower plant «Selishte»
IT-056	2014	Quito (Ecuador)	N. 1 compact substation STC-Box, containing MV AIS ATR switchgears 24kV 630A 20kA
662	2012	Naypyidaw (Myanmar)	N. 2 compact substations STC-Box 70MVA and MV AIS ATR switchgears 36kV 1000A 31.5kA
606	2010	Guacara e Tucacos (Venezuela)	N. 7 compact substations STC-Box 13.8kV 2000A 31.5kA 180MW for diesel power plant
539	2009	Puerto Cabello (Venezuela)	N. 22 compact substations STC-Box, containing n. 159 MV AIS ATR cubicles 13,8kV 630A 16kA
485	2006	Gonaives e Cabo Haitiano (Haiti)	N. 4 compact substations STC-Box, containing MV AIS ATR switchgears 23kV 630A 25kA and SCADA system

# STC-KIOSK



N.	YEAR	LOCATION	DESCRIPTION
1045	2022	Artemisa (Cuba)	STC-Kiosk transformation center 200kVA with ring configuration, equipped with gas-insulated (GIS) MV switchgear ATR-Ring 36kV 630A 16kA, transformer, LV panels Euro SDS, auxiliary equipment.
1040	2022	Artemisa (Cuba)	STC-Kiosk transformation center MV/LV 1600kVA 34,5kV/415-240V with ring configuration, equipped with gas-insulated (GIS) MV switchgear cubicles ATR-Ring 36kV 630A 16kA, transformer, LV panels Euro SDS, auxiliary equipment. The project is destined for a detergent factory.
940	2020	Havana (Cuba)	N. 62 STC-Kiosk compact substations for secondary distribution, containing MV GIS ATR-Ring switchgears. The project aims to implementing the Cuba national grid
918	2020	Varadero (Cuba)	N. 3 E-Houses with ring configuration 630kVA 13.8kV 230-127V, which house MV GIS ATR-Ring switchgear. The project is addressed to the new Varadero boulevard, one of the main arteries of the famous Cuban tourist center.
895	2020	Havana (Cuba)	N. 6 STC-Kiosk compact substations 13,8kV 630kVA 415-240V and 34.5kV 400kVA 415-240V containig MV GIS ATR-Ring switchgears
IT-095	2016	Kinshasa (Congo)	N. 1 STC-Kiosk compact substation, containing MV AIS ATR switchgears 36kV 630A 16kA

N.	YEAR	LOCATION	DESCRIPTION
744	2015	Havana (Cuba)	N. 38 MV–LV Distribution STC-Kiosk for public lightning, up to 34.5kV 1000kVA 1500A containing MV GIS ATR-Ring switchgears 34.5kV 16kVA 630A
736	2015	Havana (Cuba)	N. 61 STC-kiosk transformation centers, containing: MV GIS ATR-Ring switchgears 3.8kV 16kA up to 2000A and 13.8kV and 34.5kV 16kA up to 1500kVA

# CONTAINER ISO MARINE



N.	YEAR	LOCATION	DESCRIPTION
946	2021	San Marino (Italy)	N. 2 ISO container substations 132/16.2kV, equipped with RTU panels, LV panels, power and voltmetric transformers, for Cailungo and Rovereta.
906	2020	Artemisa (Cuba)	Empowerment of rooftop photovoltaic system 1.8MWp in Artemisa industrial area. It includes an ISO Container Solar Station 2000', n. 4200 solar panels 325Wp, MV GIS ATR-Ring switchgears 34,5kV 630A 16kA, LV panels, SCADA Sun Vigilant, inverters and String-Boxes.
857	2018	Havana (Cuba)	Container ISO marine 34.5/0.48kV 630kVA with ATR-Ring 34.5kV 630A 16kA
715	2016	Cayo Paredon Grande (Cuba)	Container ISO marine 40' compact substations "Anton Čechov" and "Cayo Cruz" 220/127V 250kVA, containing MV GIS ATR-ring switchgears 36kV
IT-042	2013	Halat (Lebanon)	Container ISO marine 40' compact substation, containing MV AIS ATR switchgear 33kV 1250A 25kA

# PHOTOVOLTAIC SYSTEMS



N.	YEAR	LOCATION	DESCRIPTION
1053	2022	Cuneo (Italy)	MV/LV 15/0.8kV 1MVA cement transformation cabin for photovoltaic plant, equipped with an air-insulated (AIS) medium-voltage (MV) electrical switchgear ATR 24kV 630A 16kA, low-voltage (LV) Euro-SDS panels, LV disconnecter with fuses 800V AC, dry-type elevator transformer, interconnecting cables and auxiliary equipment.
1014	2021	Trecate – Novara (Italy)	N. 1 STC-Box switching station and n. 1 STC-Kiosk transformation cabin 4.6MVA on raised basement, equipped with AIS MV switchgear (n. 4 cubicles), LV switchboard, SCADA system, power and auxiliary transformers, firefighting system, auxiliary equipment, and an AIS MV switchgear Normal Clad to be integrated into the electrical substation of the plant. The project is intended to be interconnected with a photovoltaic plant, serving an oil&gas plant.
994	2021	Pontinia, Latina (Italy)	N. 2 STC-Kiosk Solar station 2MVA MV-LV and 2MVA LV, containing MV AIS ATR switchgear 24kV 630A 16kA
992	2021	Pontinia and Montalto (Italy)	Sungrow solar station, consisting in n. 4 compact transformer cabins, STC-Kiosk, remotely monitored, including AIS MV ATR switchgears, LV panels, transformers, auxiliary equipment.
982	2021	Scoppito (Italy)	N. 1 STC-Kiosk compact substation MV/LV containing MV switchgear, transformers, LV panels, for photovoltaic system 1 MW
978	2021	Cipollareta (Italy)	STC-Box compact substation, containing MV AIS ATR switchgear 24kV 2500A 25kA (n. 6 cubicles), LV panels, SCADA system

N.	YEAR	LOCATION	DESCRIPTION
974	2021	Contego (United Kingdom)	N. 1 STC-Box compact substation, equipped with ATR MV AIS switchgear 36kV (n. 7 cubicles), dry-type transformer, LV panels, DC UPS panel, SCADA system, HVAC system.
896	2020	Artemisa (Cuba)	Rooftop photovoltaics on firehouse 67.2kWp
896.b	2020	Artemisa (Cuba)	Solar power for wastewater treatment plant, consisting in a 70kW photovoltaic system.
882	2020	Artemisa (Cuba)	Photovoltaic system for coffee roastery 168kWp
879	2019	Camagüey, Mayajigua (Cuba)	ISO Containers 2000-40 containing MV GIS ATR-Ring 13.8kV 630A 16kA and 34.5kV 630A 16kA addressed to n. 2 Camaguey and Mayajigua photovoltaic plants (total power of 5 MWp)
860	2019	Artemisa (Cuba)	Rooftop photovoltaic system, divided as follow: <ul style="list-style-type: none"> <li>• N. 1 plant of 1,25MWp</li> <li>• N. 2 plants of 605kWp each</li> <li>• N. 1 plant of 700kWp</li> </ul>
836	2019	Venegas, Matanzas, Camagüey, Mayajigua (Cuba)	Nr. 4 photovoltaic plants with a total power of 10MWp
812	2018	Areza, Maidman (Eritrea)	Supply of electrical equipment and interconnection with n. 2 mini-grid photovoltaic plants

N.	YEAR	LOCATION	DESCRIPTION
771	2016	Granma, Pinar del Rio, Ciego da Avila, Santiago de Cuba, Guantanamo (Cuba)	N. 7 photovoltaic plants for a total power of 15 MWp
IT-091 + IT-096	2016	Montalto di Castro (Italy)	N. 5 photovoltaic systems for a total power of 65MWp
15 NA 02	2015	Zamou, Solokaye, Kapé, Kromambira, Boudou, Kakpin, Gansé (Ivory Coast)	N. 7 off-grid photovoltaic plants for rural communities in Zanzan 0.3MWp
713	2015	Havana, Pinar del Rio, Isla de la Juventud, Cienfuegos, Guantanamo (Cuba)	N. 6 photovoltaic plants for a total power of 10MWp
13 NA 04	2015	Abidjan (Ivory Cost)	Photovoltaic plants 0.3MWp for African rural areas



# O&M OF PHOTOVOLTAIC SYSTEMS



N.	YEAR	LOCATION	DESCRIPTION
PS-20	2019	Macchiarèdu (Italy)	Realization of turn-key user electrical substation with 55MVA transformer for photovoltaic system
PS-19	2019	Troia – Foggia (Italy)	Electrical works for photovoltaic plant 63MW and construction of MV connection cable duct
PS-18	2019	Montalto di Castro (Italy)	O&M services for Terna «Cassiopea» substation
PS-17	2018	Genoa (Italy)	Rooftop photovoltaic island system in Terna di Morigallo headquarters
PS-16	2018	Macchiarèdu (Italy)	Realization of HV electrical substation connection “Rumianca”
PS-15	2018	San Giorgio la Molara (Italy)	Laying of HV cable for wind farm
PS-14	2018	Viterbo (Italy)	Construction of MV connection power duct of n. 2 photovoltaic plants
PS-13	2018	Civita Castellana (Italy)	Electrical works in photovoltaic plant «Cilea» 14.4MVA
PS-12	2018	Civita Castellana (Italy)	Realization of electrical works in photovoltaic plant «Cilea» 14.4MVA
PS-11	2018	Macchiarèdu (Italy)	Electrical works in the photovoltaic plant «Trovaoli»

N.	YEAR	LOCATION	DESCRIPTION
PS-10	2017	Tarquinia (Italy)	Realization of 1MWA photovoltaic system on new roof Cedi Conad
PS-09	2017	Macchiarèdu (Italy)	Supply and installation of electric cabins
PS-08	2017	Macchiarèdu (Italy)	Electrical works in «Monteverdi» photovoltaic plant 11.4MVA
PS-07	2017	Macchiarèdu (Italy)	User substation 150/20kV 70MVA and MV connection ducts with photovoltaic plants
PS-06	2016	Montalto di Castro (Italy)	Electrical installation of photovoltaic «Vivaldi» 10MW
PS-05	2016	Montalto di Castro (Italy)	Revamping works of «Cassiopea» substation and realization of 5MV connection ducts to photovoltaic plants
PS-04	2016	Montalto di Castro (Italy)	N. 5 electrical shelters equipped with MV switchgears for photovoltaic system
PS-03	2016	Montalto di Castro (Italy)	Electrical installation of photovoltaic plant «Paganini» 14MW
PS-02	2016	Montalto di Castro (Italy)	Electrical installation of photovoltaic plant «Rossini» 13MW
PS-01	2015	Venturina (Italy)	Realization of photovoltaic 17.50kW system on the roof of Conad fuel distributor

# PUBLIC LIGHTING



N.	YEAR	LOCATION	DESCRIPTION
868	2019	Havana (Cuba)	Street lighting systems consisting of LED lights 120W
867	2019	Plaza de la Revolución - Havana (Cuba)	Remote control system for lighting plant in Plaza de la Revolución
800	2019	Plaza de la Revolution – Havana (Cuba)	Public lighting 30/200/750 lux LED lamps up to 800W
777	2016	Varadero (Cuba)	Lighting system with LED lamps 160W 60Hz for public streets
773	2016	Artemisa (Cuba)	Lighting system with LED lamps 160W 60Hz for public streets
746	2016	Havana (Cuba)	Scandinavian wooden poles for public lighting
IT-087	2016	Capo Bon, Korba, Sbikha, Sbeitla e Feriana di Scogat (Tunisia)	Lighting system with LED lamps 160W 60Hz
782	2015	Havana (Cuba)	Lighting system for luxury hotel with IP65 LED lamps 36W 60Hz
725	2015	Varadero (Cuba)	LED public lighting 160W 60Hz for the "Avenida Primera"

# MEDIUM-VOLTAGE SWITCHGEARS



N.	YEAR	LOCATION	DESCRIPTION
1031	2021	Yauyos (Peru)	N. 2 customized IP65 MV AIS Normal Clad cubicles 24kV 630A 31.5kA, DC System 230/48V 30A addressed to a Mine plant in Peru.
999	2021	Ganfooda (Lybia)	N. 3 MV GIS ATR-Ring cubicles 12kV 630A 16kA (3s), LV panels, batteries, fire detection and firefighting system, for a new substation 2MVA.
1007+ 1008	2021	Iskenderun (Turkey)	N. 14 MV AIS Normal Clad cubicles 6,3kV 1250A 31.5kA equipped with a gas outlet duct for a steelwork plant.
925	2021	Treviso (Italy)	N. 2 customized IP64 MV AIS cubicles 24kV 2500A 20kVA, outdoor installation, for Terna plant, including disconnectors, VT, surge arresters, and auxiliary equipment.
949	2021	Las Salinas (Cuba)	N. 10 MV GIS ATR-Ring cubicles 36kV 630A 16kA for electrical substation
975	2020	Damasco (Syria)	Fast-track project of n. 2 MV AIS ATR electrical switchgears (n. 11 cubicles), for the restart of an important steel plant in Syria.
870	2019	Artemisa (Cuba)	N. 4 MV GIS ATR-ring cubicles 36kV 630A 16kA
864	2019	Holguín (Cuba)	N. 30 MV AIS Normal Clad cubicles 6.3kV 1600A 40kA
839	2019	Nuevitas (Cuba)	N. 27 MV AIS Normal Clad cubicles 6.3kV 2000A 25kA(3s) for "10 de Octubre" Thermolectric power station
858	2018	Artemisa (Cuba)	N. 4 MV GIS ATR-Ring cubicles 34.5kV 630A 16kA 60Hz
862	2018	Antillana da Acero (Cuba)	N. 11 MV AIS Normal Clad cubicles 12kV 4000A 40kA

N.	YEAR	LOCATION	DESCRIPTION
846	2018	Chihuahua (Mexico)	N. 2 IP65 MV AIS Normal Clad cubicles 40.5kV 630A 16kA(3s)
IT-050	2018	Basra (Iraq)	N. 2 MV AIS Normal Clad cubicles 33kV 2500A 40kA(3s)
613	2018	Narajito (Cuba)	N. 35 MV AIS Normal Clad cubicles 6.3kV 1600A 25kA
IT-078	2017	Yauyos (Perù)	N. 1 IP65 MV AIS Normal Clad cubicle 17.5kV 400A 31.5kA (3s) 60Hz for mining applications
IT-091 + IT-096	2016	Montalto di Castro (Italy)	N. 2 MV AIS Normal Clad cubicles 24kV 2000A 16kA and n. 5 MV AIS ATR cubicles 24kV 2000A 16kA for photovoltaic plants
IT-072	2016	Addis Ababa (Ethiopia)	N. 2 MV AIS ATR cubicles 36kV 630A 12.5kVA for industrial applications.
737	2015	Artemisa (Cuba)	N. 2 MV AIS ATR and n. 4 MV GIS ATR-Ring cubicles 34.5kV 630A 16kA for industrial cluster
IT-081	2015	Andrés Ibáñez (Bolivia)	N. 30 MV AIS Normal Clad cubicles 12kV 2500A 25kA, destined to a cement factory
720	2015	Artemisa (Cuba)	N. 2 MV AIS ATR 34,5kV 630A 16kVA and n. 4 MV GIS ATR-Ring cubicles 34.5kV 630A 16kVA
IT-053	2015	Basra (Iraq)	N. 55 MV AIS Normal Clad cubicles 33kV and 11kV 2500-4000A 40k (3s)
719	2015	Ciego de Avila (Cuba)	N. 5 MV AIS Normal Clad Duplex cubicles 13.8kV 1250A 25kA, for the extension of an electrical substation

<b>N.</b>	<b>YEAR</b>	<b>LOCATION</b>	<b>DESCRIPTION</b>
716	2015	Cayo Coco (Cuba)	N. 4 MV GIS ATR-Ring cubicles 34.5kV 630A 16kA and reactors for Cayo Coco y Guillermo substations
IT-098	2015	Yauyos (Perù)	N. 1 IP65 MV AIS Normal Clad cubicle 12.6kV 630A 25kA (3s) for mining application
IT-076	2015	Panama City (Panama)	N. 1 MV AIS ATR cubicle 34.5kV 630A 16kA
IT-074	2015	Hai Phong (Vietnam)	N. 2 MV AIS ATR cubicles 22kV 630A 25kA
IT-066	2015	Gipuzkoa (Spain)	N. 1 MV AIS ATR cubicle 12kV 630A 20kA
IT-063	2014	Yauyos (Perù)	N. 7 IP65 MV AIS Normal Clad cubicles 24kV 630A 31.5kA and 17.5kV 1250A 31.5kA
655	2014	Artemisa (Cuba)	N. 31 MV AIS ATR cubicles 13.8kV 630A 20kA for electrical substations
IT-031	2013	Dubai (United Arab Emirates)	N. 6 MV AIS ATR cubicles 24kV 630A 16kA
IT – 030	2012	Baia-Mare (Romania)	Equipment and spare components for medium-voltage switchgears
IT-027	2012	Donetsk (Ucraina)	N.16 MV AIS Normal Clad cubicles 7.2kV 630A 20kA(3s)

# RETROFIT



<b>N.</b>	<b>YEAR</b>	<b>LOCATION</b>	<b>DESCRIPTION</b>
955	2021	Manchester (United Kingdom)	Retrofit work on MV circuit-breakers 12kV 800A 40kA, VD4 model.
872	2018	Matanzas (Cuba)	Retrofit of the busduct in the Antonio Guiteras thermoelectric power plant
861	2018	Dalmine (Italy)	Retrofit of MV circuit-breakers 800A
IT-088	2016	Best (The Netherlands)	Retrofit on n. 384 circuit-breakers 1250A/2500A/4000A
IT-094	2016	Dalmine (Italy)	Retrofit of MV circuit-breakers 12kV 800A 32kA
IT-069	2015	Caracas (Venezuela)	Supply of protection relays for retrofit of the national grid
722	2014	Santa Cruz (Cuba)	Retrofit of the thermoelectric plant "Santa Cruz", unit 3
540	2010	Santa Cruz (Cuba)	Retrofit of the thermoelectric plant "Santa Cruz", unit 1
548	2010	Cuba	Retrofit of the radio transmitter "Titan"
525	2009	Cinefuegos (Cuba)	Retrofit of the Pdvsa refinery plant – Cupet
490	2009	Holgiun (Cuba)	Retrofit of the thermoelectric plant "Felton"
462	2008	Santiago de Cuba (Cuba)	Retrofit of the thermoelectric plant "Otto Parellada", outgoing electrical substation
464	2008	Holgiun (Cuba)	Retrofit of the thermoelectric plant "Felton"



N.	YEAR	LOCATION	DESCRIPTION
493	2008	Cinefuegos (Cuba)	Retrofit of the thermoelectric plant "Hitachi – Cespedes"
454	2007	Havana (Cuba)	Retrofit of n. 6 gas-insulated circuit-breakers, addressed to an electrical substation serving the "Siguaney" cement plant.
415	2007	Santiago de Cuba (Cuba)	Retrofit of the thermoelectric plant "Otto Parellada", unit 6
414	2007	Artemisa (Cuba)	Retrofit of the thermoelectric plants "Mariel" and "Rente"
402	2005	Holgún (Cuba)	Retrofit of the thermoelectric plant "Felton"
379	2004	Santa Cruz (Cuba)	Retrofit of the thermoelectric plant in Santa Cruz
N.A.	1998	Cuba	Retrofit of medium-voltage electrical switchgears
N.A.	1985	Cuba	Retrofit of circuit-breakers and medium-voltage electrical switchgears, type VM-EJF
N.A.	1985	Cuba	Retrofit of circuit-breakers and medium-voltage electrical switchgears, type KRU 900mm
N.A.	1985	Cuba	Retrofit on low-voltage panels, type KTP
N.A.	1985	Cuba	Retrofit of circuit-breakers and medium-voltage electrical switchgears
N.A.	1985	Cuba	Retrofit of circuit-breakers and medium-voltage electrical switchgears, type VM-EJF

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