

HV/MV Substation Protection-Automation Cubicle Features

- 1 Produced over more than 20 years
- 2 Experience in International Projects over more than 10 years
 - Russia
 - Middle-East
 - EU
 - USA
- 3 Experience in different solutions
 - a/ Front access with device installation on door only
 - Terminal blocks on the back panel
 - b/ Front access with device installation on swing frame
 - Terminal blocks on the back panel
 - Glass doors with failure indication
 - c/ Access through front and back doors
 - Terminal blocks on the side
 - Devices on the mounting plate
 - d/ Front access with device installation on the back mounting plate
 - Terminal blocks on the bottom of the back mounting panel
- 4 Experience with different device types
 - SIEMENS SIPROTEC
 - ALSTOM MiCOM
 - SCHNEIDER Electric SEPAM
 - ABB REF, RET...
 - PROTECTA EUROPROT
 - INFOWARE MAB
 - GE MULTILIN
 - BECKWITH Mxxxx

Reference Project	Pictures	Location
<p>1 RAO EES RU</p> <p>10 lots MOBILE GTES 150 kV Substation</p> <p>70 Cubicles</p>		<p>RU</p>
<p>2 ALDEL, CORUS Group</p> <p>ALUMINIUM, Delfzeil 220 kV Substation</p> <p>8 Cubicles</p>		<p>NL</p>
<p>3 RWE-ELMŰ UC</p> <p>Soroksár, Budapest 120 kV Substation</p> <p>25 Cubicles</p>		<p>HU</p>
<p>4 MES VOSTOKA</p> <p>"RC" Chabarovsk 220 kV Substation</p> <p>60 Cubicles</p>		<p>RU</p>

Year	Owner/Operator	Project name	Location
1995	RWE-ELMŰ UC	Gödöllő 120 kV SS	HU
1995	RWE-ELMŰ UC	Gödöllő HUMAN 20 kV SS	HU
1996	RWE-ELMŰ UC	Rózsakert 120 kV SS	HU
1997	EON-ÉDÁSZ UC	Baracska 120 kV SS	HU
1998	RWE-ELMŰ UC	Soroksár 120 kV SS	HU
1998	RWE-ELMŰ UC	Göd 120 kV SS	HU
1998	RWE-ELMŰ UC	Fót 20 kV SS Phase 1.	HU
1998	RWE-ELMŰ UC	Laczkovics 120 kV SS Phase 1.	HU
1998	MOL Gas Upstream	HBÜ Gas Upstream Station SS	HU
1998	MÁV Railway	Istvántelek 120/25 kV SS	HU
1998	MÁTRA PP	DFTR SS	HU
1999	EON-ÉDÁSZ UC	Veszprém 120 kV SS	HU
1999	MÁV Railway	Veszprém 120/25 kV SS	HU
1999	APOLLO	Training Prot-Aut Cubicle	USA
1999	Csepel 2 PP	Power Plant 120 kV SS	HU
2000	EDF-DÉMÁSZ UC	Szultán u. 120 kV SS	HU
2000	MOL Refinery	Consumption Measuring cubicals	HU
2000	EDF-DÉMÁSZ UC	Városföld 120 kV SS	HU
2000	RWE-ELMŰ UC	Üllő 120 kV SS	HU
2000	EON-ÉDÁSZ UC	Oroszlány 120 kV SS	HU
2000	EON-ÉDÁSZ UC	Komárom 120 kV SS	HU
2000	EON-ÉDÁSZ UC	Zalaegerszeg-Dél 120 kV SS	HU
2001	RWE-ELMŰ UC	Sződ 120 kV SS	HU
2001	Sugár Mall Budapest	Automation Cubicle	HU
2001	Mátrai PP	Control Room Reconstruction	HU
2002	EON-TITÁSZ UC	Nyíregyháza-Kelet 120 kV SS	HU
2002	RWE-ELMŰ UC	Rákoskeresztúr 120 kV SS Lot I.	HU
2002	EON-TITÁSZ UC	Létavértes 120kV SS reconstruction	HU
2002	RWE-ELMŰ UC	Albertfalva 120 kV SS	HU

Year	Owner/Operator	Project name	Location
2003	MÁV Railway	Hatvan 120/25 kV SS	HU
2003	RWE-ELMŰ UC	Rákoskeresztúr 120 kV SS Lot II.	HU
2004	RWE-ELMŰ UC	Budaközép 120 kV GIS Prot-Aut	HU
2005	EON-ÉDÁSZ UC	Pápa 35/10 kV SS	HU
2005	MES Vostoka RU	Chabarovsk 150 kV SS	RU
2005	EON-TITÁSZ UC	Kunszentmárton 120 kV SS	HU
2005	ALDEL Aluminium	220 kV ENTRY SS	NL
2005	TENNET TC	220 kV Transport SS	NL
2006	MES Vostoka RU	Amurskaya 500 kV SS	RU
2006	MES Vostoka RU	Khechtzir 500 kV SS	RU
2006	RAO EES RU	Дарьино I., Moscow 150 kV Mobile GTES	RU
2006	RAO EES RU	Кирилловская I., Novorossiysk 150 kV Mobile GTES	RU
2006	RAO EES RU	Новосырово, Moscow 150 kV Mobile GTES	RU
2006	RAO EES RU	Кызыл, Tuva 150 kV Mobile GTES	RU
2007	RWE-ELMŰ UC	Fót 120 kV SS Phase 2.	HU
2007	RAO EES RU	Пушкино I., Moscow 150 kV Mobile GTES	RU
2007	RAO EES RU	Кирилловская II., Novorossiysk 150 kV Mobile GTES	RU
2007	RAO EES RU	Пушкино II., Moscow 150 kV Mobile GTES	RU
2007	RAO EES RU	Рублево I., Moscow 150 kV Mobile GTES	RU
2007	RAO EES RU	Рублево II., Moscow 150 kV Mobile GTES	RU
2007	RAO EES RU	Рублево III., Moscow 150 kV Mobile GTES	RU

Year	Owner/Operator	Project name	Location
2007	MES Vostoka RU	Владивостокская ТЭЦ 1 No. I., Vladivostok PP 150 kV Mobile GTES	RU
2008	RWE-ELMŰ UC	Biatorbágy 120/20 kV SS	HU
2008	Szakoly Bio PP	Szakoly Bio PP Prot-Aut Cubicles	HU
2008	Dunapack Paper Works	Dunaújváros Enrty 120 kV SS	HU
2008	MES Vostoka RU	Владивостокская ТЭЦ 1 No. II., Vladivostok PP 150 kV Mobile GTES	RU
2008	RAO EES RU	Дарьино II., Moscow 150 kV Mobile GTES	RU
2008	RAO EES RU	Пушкино III., Moscow 150 kV Mobile GTES	RU
2008	RAO EES RU	Игнатово I., near Moscow 150 kV Mobile GTES	RU
2009	RAO EES RU	Игнатово II., near Moscow 150 kV Mobile GTES	RU
2009	RAO EES RU	Игнатово III., near Moscow 150 kV Mobile GTES	RU
2009	RAO EES RU	Саяногорск, Хакасия 150 kV Mobile GTES	RU
2009	RAO EES RU	Кодинск, Красноярский край 150 kV Mobile GTES	RU
2009	EON-ÉDÁSZ UC	Kisbér 120 kV SS Mobile SSCC	HU
2009	EON-ÉDÁSZ UC	Kerka 120 kV SS Mobile SSCC	HU
2009	EEE	Training Prot-Aut Cubicle	RU
2009	MES Vostoka RU	Vladivostok 500 kV SS	RU
2009	MES Vostoka RU	Artemovskaya 220 kV SS	RU
2009	MES Vostoka RU	„RC” (Chabarovsk) 220 kV SS	RU
2009	MES Juga RU	Nevinnomyssk 500 kV SS	RU
2009	MES Vostoka RU	Ignatovo 220 kV SS	RU
2009	MES Vostoka RU	Chabarovsk 220 kV SS	RU

Year	Owner/Operator	Project name	Location
2010	RWE-ELMŰ UC	Vecsés 20/10 kV SS Mobile SSCC	HU
2010	MOL Gas Upstream	Endrőd 20 kV SS	HU
2010	MES Vostoka RU	Vladivostok Airport 500 kV SS	RU
2010	RWE-ELMŰ UC	Sződ 120 kV SS extension	HU
2010	RWE-ELMŰ UC	Pestlőrinc 10 kV Reconstruction	HU
2011	MES Juga RU	Tuapse 110 kV PP	RU
2011	MES Vostoka RU	Vladivostok 500 kV SS Extension	RU
2011	Gazprom RU	Motor Bus Transfer Automation	RU
2011	MOM Mall	Transfer Automation	HU
2011	EON-TITÁSZ UC	Püspökladány 120 kV SS	HU
2011	MOL Gas Upstream	Gellénháza 20 kV Pump Station	HU
2012	MES Vostoka RU	Gidroliznaya PP 220 kV SS	RU
2012	RWE-ELMŰ UC	Laczkovich 120 kV SS	HU
2012	MES Vostoka RU	Vanino 220 kV SS	RU
2012	MES Vostoka RU	Chabarovskaya 150 kV Extension	RU
2012	EON-TITÁSZ UC	Debrecen MGM 120 kV SS	HU
2012		Rosslavl	RU
2013	MES Vostoka RU	Vanino 220 kV SS Extension	RU
2013	MES Vostoka RU	„RC” (Chabarovsk) 220 kV SS Extension	RU
2013	MES Vostoka RU	Koyzrevo 220 kV SS	RU
2013	MES Vostoka RU	Gidroliznaya 220 kV SS Extension	RU
2013	RWE-ELMŰ UC	Biatorbágy 120/20 kV SS Extension	HU
2013	MES Vostoka RU	Iman 220 kV SS	HU
2014	MES Vostoka RU	Vanino 220 kV SS Extension 2	RU
2014	EON-ÉDÁSZ UC	Győr-Dél 20 kV SS	HU
2014	RWE-ELMŰ UC	Újpest 120 kV SS	HU
2014	RWE-ELMŰ UC	Mátyásföld 120/20 kV SS	HU
2014	MES Vostoka RU	Vanino-2 220 kV SS	RU

