

**The World Markets
and
Manufacturers of High Voltage
Switchgear
2015 - 2025**

**© GOULDEN REPORTS
July 2016**

No 1, Priorsfield, Marlborough, Wiltshire SN8 4AQ, United Kingdom
Tel: +44 1672 513316

Email: info@gouldenreports.org

Web site: www.gouldenreports.org

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form, or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior permission of the copyright owner.

NOTE

The information given in this report has been compiled from published sources and interpreted from fieldwork based on informed opinions. Whilst every care has been taken in the preparation of the report, there may have been some errors in the information obtained. Although it is impossible to verify every single detail by cross checking, we believe the general picture provided is reasonably accurate and comprehensive.

Many Goulden Reports publications contain an overview of selected company financial information and capabilities based on published sources where available. Although the companies represented are believed to be the major suppliers the profiles are meant to be indicative rather than definitive.

It is fundamental to the philosophy of Goulden Reports to constantly seek to extend and improve our service to clients. In pursuit of these aims, we shall be pleased to consider all requests for regular or periodic updating of all or any part of the information contained in this report, or for extensions in coverage in terms of product areas, market sectors and/or geographic regions.

We are, of course, always happy to discuss with any subscriber the possibility of undertaking further work, whether arising out of this report or in different business areas.

MORE INFORMATION ON GOULDEN REPORTS

At the end of this report you will find a list of our latest published reports. Should you require more information on either our published reports or our private client services, please contact us at the address given.

Full details on all Goulden Reports published studies (including full tables of contents and tables of tables) and ad hoc research services can be found on our e-commerce website:

www.gouldenreports.org

CONTENTS

1. INTRODUCTION.....	1
1.1 OBJECTIVES AND SCOPE	1
1.2 METHODOLOGY.....	3
2. SUMMARY	5
2.1 SUMMARY TABLES	9
3. THE WORLD MARKET.....	16
3.1 FORECAST WORLD MARKET 2016 - 2025.....	25
5. MAJOR HIGH VOLTAGE SWITCHGEAR MANUFACTURERS.....	33
5.1 HV SWITCHGEAR INDUSTRY CONTACT DETAILS	37
5.2 Argentina.....	37
5.3 Australia	37
5.4 Austria.....	39
5.5 Belgium.....	40
5.6 Bosnia-Herzegovina.....	41
5.7 Brazil.....	41
5.8 Bulgaria.....	43
5.9 Canada.....	44
5.10 Chile.....	46
5.11 China	46
5.12 Colombia.....	52
5.13 Croatia.....	53
5.14 CzechRepublic	53
5.15 Denmark.....	54
5.16 Egypt.....	55
5.17 Estonia.....	56
5.18 Finland	56
5.19 France.....	57
5.20 Germany.....	59
5.21 Greece	63
5.22 Hungary.....	64
5.23 India	65
5.24 Indonesia	70
5.25 Iran	71
5.26 Ireland	71
5.27 Israel.....	72
5.28 Italy	72
5.29 Japan	75
5.30 Malaysia.....	78
5.31 Mexico	79
5.32 Morocco	81
5.33 Netherlands	82
5.34 New Zealand	83
5.35 Norway.....	83
5.36 Pakistan.....	84
5.37 Peru	84
5.38 Philippines.....	84
5.39 Poland	85
5.40 Portugal	86
5.41 Romania	87

5.42	Russia.....	87
5.43	Saudi Arabia.....	88
5.44	Serbia&Montenegro.....	89
5.45	Slovakia.....	89
5.46	Slovenia.....	90
5.47	South Africa.....	90
5.48	South Korea.....	91
5.49	Spain.....	92
5.50	Sweden.....	94
5.51	Switzerland.....	95
5.52	Taiwan.....	99
5.53	Thailand.....	100
5.54	Tunisia.....	101
5.55	Turkey.....	102
5.56	UAE.....	103
5.57	Ukraine.....	104
5.58	United Kingdom.....	104
5.59	USA.....	111
6.	REGIONAL MARKETS.....	119
6.1	WESTERN EUROPE.....	119
6.2	EASTERN EUROPE.....	133
6.3	FORMER SOVIET UNION.....	147
6.4	NORTH AFRICA.....	161
6.5	WEST AFRICA.....	169
6.6	CENTRAL AFRICA.....	183
6.7	EAST AFRICA.....	191
6.8	SOUTHERN AFRICA.....	205
6.9	MIDDLE EAST.....	213
6.10	INDIAN SUB CONTINENT.....	227
6.11	ASIA.....	235
6.12	SOUTH AMERICA.....	249
6.13	CENTRAL AMERICA AND CARIBBEAN.....	263
6.14	NORTH AMERICA.....	277
6.15	OCEANIA.....	285
7.	PRODUCTION.....	293
8.	TRADE ANALYSIS.....	295
8.1	TOP 25 EXPORTERS.....	295
8.2	TOP 25 IMPORTERS.....	303
8.3	EXPORT VALUES.....	311
8.4	EXPORT PERCENTAGES.....	320
8.5	IMPORT VALUES.....	329
8.6	IMPORT VALUES.....	338
8.6.1	<i>HV Switchgear Imports by Country Alphabetical 2014.....</i>	<i>338</i>
8.6.2	<i>HV Switchgear Imports by Region, by Country 2010 to 2014.....</i>	<i>382</i>
9.	APPENDICES.....	397
9.1	EXCHANGE RATES.....	397
9.2	ESTIMATED PRODUCTION BY COMPANY BY COUNTRY.....	399
10.	COUNTRY PROFILES BY REGION.....	407
10.1	Western Europe.....	409
10.2	Eastern Europe.....	411
10.3	Former Soviet Union.....	412
10.4	North Africa.....	413
10.5	West Africa.....	414
10.6	Central Africa.....	415
10.7	East Africa.....	416

10.8	South Africa	417
10.9	Middle East	418
10.10	Indian Subcontinent	419
10.11	Asia	420
10.12	South America.....	422
10.13	Central America &Caribbean.....	423
10.14	North America.....	425
10.15	Australasia.....	426

TABLE OF TABLES

1. INTRODUCTION.....	1
1.1 OBJECTIVES AND SCOPE	1
1.2 METHODOLOGY.....	3
2. SUMMARY	5
2.1 SUMMARY TABLES	9
The Fastest Growing National Markets for HV Switchgear 2010 - 2015 (US\$ Million).....	9
The Fastest Growing National Markets for HV Switchgear 2015 - 2020 (US\$ Million).....	10
The Fastest Growing National Markets for HV Switchgear 2020 - 2025 (US\$ Million).....	11
The Fastest Declining National Markets for HV Switchgear 2010 - 2015 (US\$ Million).....	12
The Fastest Declining National Markets for HV Switchgear 2015 - 2020 (US\$ Million)	13
The Largest National Markets for HV Switchgear 2015 (US\$ Million).....	14
The Largest National Markets for HV Switchgear 2020 (US\$ Million).....	15
3. THE WORLD MARKET.....	16
The World Market for HV Switchgear, by Region,2010- 2015 (US\$ Million)	16
The World Market for HV Switchgear, by Region,2010 - 2015 (% Change).....	17
The World Market for HV Switchgear, by Region, by Equipment Type 2015 (US\$ Million).....	18
The World Market for HV Switchgear, by Region, by Voltage Level 2015 (US\$ Million).....	19
The World Market for HV Distribution Switchgear, by Region, by Location 2015 (US\$ Million)	20
The World Market for HV Switchgear, by Region, by Type of Use 2015 (US\$ Million).....	21
The World Market for HV Switchgear, by Region, by End Use Customer 2015 (US\$ Million).....	22
The World Market for HV Switchgear, by Region, by Technology 2015 (US\$ Million).....	23
3.1 FORECAST WORLD MARKET 2016 - 2025	25
The Forecast World Market for HV Switchgear, by Region, 2013 to 2022 (US\$ Million).....	25
The Forecast World Market for HV Switchgear, by Region, 2016 to 2025 (% Change).....	26
The World Market for HV Switchgear, by Region, by Equipment Type 2025 (US\$ Million)	27
The World Market for HV Switchgear, by Region, by Voltage Level 2025 (US\$ Million)	28
The World Market for HV Distribution Switchgear, by Region, by Location 2025 (US\$ Million)	29
The World Market for HV Switchgear, by Region, by Type of Use 2025 (US\$ Million).....	30
The World Market for HV Switchgear, by Region, by End Use Customer 2025 (US\$ Million).....	31
5. MAJOR HIGH VOLTAGE SWITCHGEAR MANUFACTURERS.....	33
Leading Manufacturers' Sales of HV Switchgear 2015 (US\$ Million)	33
Leading Manufacturers' Sales of HV Switchgear, per Region, 2015 (US\$ Million) - continued.....	35
5.1 HV SWITCHGEAR INDUSTRY CONTACT DETAILS	37
5.2 Argentina.....	37
5.3 Australia	37
5.4 Austria.....	39
5.5 Belgium.....	40
5.6 Bosnia-Herzegovina.....	41
5.7 Brazil.....	41
5.8 Bulgaria.....	43
5.9 Canada.....	44
5.10 Chile.....	46
5.11 China	46
5.12 Colombia.....	52
5.13 Croatia.....	53
5.14 CzechRepublic	53
5.15 Denmark.....	54
5.16 Egypt	55
5.17 Estonia.....	56
5.18 Finland	56
5.19 France.....	57
5.20 Germany.....	59
5.21 Greece	63
5.22 Hungary.....	64
5.23 India	65
5.24 Indonesia	70

5.25	Iran	71
5.26	Ireland	71
5.27	Israel	72
5.28	Italy	72
5.29	Japan	75
5.30	Malaysia	78
5.31	Mexico	79
5.32	Morocco	81
5.33	Netherlands	82
5.34	New Zealand	83
5.35	Norway	83
5.36	Pakistan	84
5.37	Peru	84
5.38	Philippines	84
5.39	Poland	85
5.40	Portugal	86
5.41	Romania	87
5.42	Russia	87
5.43	Saudi Arabia	88
5.44	Serbia&Montenegro	89
5.45	Slovakia	89
5.46	Slovenia	90
5.47	South Africa	90
5.48	South Korea	91
5.49	Spain	92
5.50	Sweden	94
5.51	Switzerland	95
5.52	Taiwan	99
5.53	Thailand	100
5.54	Tunisia	101
5.55	Turkey	102
5.56	UAE	103
5.57	Ukraine	104
5.58	United Kingdom	104
5.59	USA	111
6.	REGIONAL MARKETS	119
6.1	WESTERN EUROPE	119
	Western Europe The Market for HV Switchgear, by Country, 2010 – 2015 (US\$ Million)	119
	Western Europe: The Market for HV Switchgear, by Country, 2010 – 2015 (% Change)	120
	Western Europe: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million)	121
	Western Europe: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million)	122
	Western Europe: The Market for HV Distribution Switchgear, by Country, by Location 2015 (US\$ Million)	123
	Western Europe: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million)	124
	Western Europe: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million)	124
	Western Europe: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million)	125
	Western Europe: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million)	126
	Western Europe: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change)	127
	Western Europe: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million)	128
	Western Europe: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million)	129
	Western Europe: The Market for HV Distribution Switchgear, by Country, by Location 2025 (US\$ Million)	130
	Western Europe: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million)	131
	Western Europe: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million)	131
	Western Europe: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million)	132
6.2	EASTERN EUROPE	133
	Eastern Europe The Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million)	133
	Eastern Europe: The Market for HV Switchgear, by Country, 2010 – 2015 (% Change)	134
	Eastern Europe: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million)	135
	Eastern Europe: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million)	136
	Eastern Europe: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million)	137
	Eastern Europe: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million)	138
	Eastern Europe: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million)	138

	Eastern Europe: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million).....	139
	Eastern Europe: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million).....	140
	Eastern Europe: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change)	141
	Eastern Europe: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million)	142
	Eastern Europe: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million)	143
	Eastern Europe: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million).....	144
	Eastern Europe: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million)	145
	Eastern Europe: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million).....	145
	Eastern Europe: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million).....	146
6.3	FORMER SOVIET UNION	147
	Former Soviet UnionThe Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million)	147
	Former Soviet Union: The Market for HV Switchgear, by Country,2010 - 2015 (% Change).....	148
	Former Soviet Union: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million)	149
	Former Soviet Union: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million).....	150
	Former Soviet Union: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million)	151
	Former Soviet Union: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million).....	152
	Former Soviet Union: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million).....	152
	Former Soviet Union: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million).....	153
	Former Soviet Union: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million)	154
	Former Soviet Union: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change).....	155
	Former Soviet Union: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million).....	156
	Former Soviet Union: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million).....	157
	Former Soviet Union: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million)	158
	Former Soviet Union: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million).....	159
	Former Soviet Union: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million).....	159
	Former Soviet Union: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million).....	160
6.4	NORTH AFRICA	161
	North Africa The Market for HV Switchgear, by Country, 2010 - 2016 (US\$ Million).....	161
	North Africa: The Market for HV Switchgear, by Country,2010 - 2015 (% Change).....	161
	North Africa: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million)	162
	North Africa: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million)	162
	North Africa: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million).....	163
	North Africa: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million)	163
	North Africa: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million).....	163
	North Africa: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million).....	164
	North Africa: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million).....	164
	North Africa: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change)	165
	North Africa: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million)	165
	North Africa: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million)	166
	North Africa: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million).....	166
	North Africa: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million)	167
	North Africa: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million).....	167
	North Africa: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million).....	167
6.5	WEST AFRICA	169
	West AfricaThe Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million).....	169
	West Africa: The Market for HV Switchgear, by Country,2010 - 2015 (% Change)	170
	West Africa: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million)	171
	West Africa: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million)	172
	West Africa: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million).....	173
	West Africa: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million)	174
	West Africa: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million).....	174
	West Africa: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million)	175
	West Africa: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million).....	176
	West Africa: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change)	177
	West Africa: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million)	178
	West Africa: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million)	179
	West Africa: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million).....	180
	West Africa: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million)	181
	West Africa: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million).....	181
	West Africa: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million).....	182
6.6	CENTRAL AFRICA	183
	Central AfricaThe Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million)	183
	Central Africa: The Market for HV Switchgear, by Country,2010 – 2015(% Change).....	183
	Central Africa: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million)	184
	Central Africa: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million).....	184
	Central Africa: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million)	185

	Central Africa: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million).....	185
	Central Africa: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million)	185
	Central Africa: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million)	186
	Central Africa: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million)	186
	Central Africa: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change).....	187
	Central Africa: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million).....	187
	Central Africa: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million).....	188
	Central Africa: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million)	188
	Central Africa: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million).....	189
	Central Africa: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million)	189
	Central Africa: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million)	189
6.7	EAST AFRICA	191
	East AfricaThe Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million).....	191
	East Africa: The Market for HV Switchgear, by Country, 2010 - 2015 (% Change)	192
	East Africa: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million).....	193
	East Africa: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million).....	194
	East Africa: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million)	195
	East Africa: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million).....	196
	East Africa: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million)	196
	East Africa: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million)	197
	East Africa: The Market for HV Switchgear, by Country, 2015 to 2025 (US\$ Million)	198
	East Africa: The Market for HV Switchgear, by Country, 2015 to 2025 (% Change).....	199
	East Africa: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million).....	200
	East Africa: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million).....	201
	East Africa: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million)	202
	East Africa: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million).....	203
	East Africa: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million)	203
	East Africa: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million)	204
6.8	SOUTHERN AFRICA	205
	Southern AfricaThe Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million)	205
	Southern Africa: The Market for HV Switchgear, by Country, 2010- 2015 (% Change).....	205
	Southern Africa: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million)	206
	Southern Africa: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million)	206
	Southern Africa: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million).....	207
	Southern Africa: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million)	207
	Southern Africa: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million).....	207
	Southern Africa: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million).....	208
	Southern Africa: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million).....	208
	Southern Africa: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change).....	209
	Southern Africa: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million)	209
	Southern Africa: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million)	210
	Southern Africa: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million).....	210
	Southern Africa: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million)	211
	Southern Africa: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million).....	211
	Southern Africa: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million).....	211
6.9	MIDDLE EAST	213
	Middle EastThe Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million).....	213
	Middle East: The Market for HV Switchgear, by Country,2010 - 2015 (% Change)	214
	Middle East: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million)	215
	Middle East: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million)	216
	Middle East: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million).....	217
	Middle East: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million)	218
	Middle East: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million).....	218
	Middle East: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million)	219
	Middle East: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million).....	220
	Middle East: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change)	221
	Middle East: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million)	222
	Middle East: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million)	223
	Middle East: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million).....	224
	Middle East: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million)	225
	Middle East: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million).....	225
	Middle East: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million)	226
6.10	INDIAN SUB CONTINENT	227
	Indian Sub Con: The Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million).....	227
	Indian Sub Con: The Market for HV Switchgear, by Country,2010 - 2015 (% Change)	227
	Indian Sub Con: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million).....	228

	Indian Sub Con: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million).....	228
	Indian Sub Con: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million)	229
	Indian Sub Con: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million).....	229
	Indian Sub Con: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million)	229
	Indian Sub Con: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million)	230
	Indian Sub Con: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million)	230
	Indian Sub Con: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change).....	231
	Indian Sub Con: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million).....	231
	Indian Sub Con: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million).....	232
	Indian Sub Con: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million)	232
	Indian Sub Con: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million).....	233
	Indian Sub Con: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million)	233
	Indian Sub Con: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million)	233
6.11	ASIA	235
	Asia: Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million).....	235
	Asia: The Market for HV Switchgear, by Country,2010- 2015 (% Change)	236
	Asia: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million)	237
	Asia: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million)	238
	Asia: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million).....	239
	Asia: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million)	240
	Asia: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million).....	240
	Asia: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million).....	241
	Asia: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million).....	242
	Asia: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change)	243
	Asia: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million)	244
	Asia: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million)	245
	Asia: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million).....	246
	Asia: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million)	247
	Asia: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million).....	247
	Asia: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million).....	248
6.12	SOUTH AMERICA	249
	South AmericaThe Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million).....	249
	South America: The Market for HV Switchgear, by Country, 2010 - 2015 (% Change)	250
	South America: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million).....	251
	South America: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million).....	252
	South America: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million).....	253
	South America: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million).....	254
	South America: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million)	254
	South America: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million)	255
	South America: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million)	256
	South America: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change).....	257
	South America: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million).....	258
	South America: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million).....	259
	South America: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million).....	260
	South America: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million).....	261
	South America: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million)	261
	South America: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million)	262
6.13	CENTRAL AMERICA AND CARIBBEAN	263
	Central America and CaribbeanThe Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million).....	263
	Central America and Caribbean: The Market for HV Switchgear, by Country, 2010 – 2015(% Change).....	264
	Central America and Caribbean: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million).....	265
	Central America and Caribbean: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million)	266
	Central America and Caribbean: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million).....	267
	Central America and Caribbean: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million).....	268
	Central America and Caribbean: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million)	268
	Central America and Caribbean: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million).....	269
	Central America and Caribbean: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million).....	270
	Central America and Caribbean: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change)	271
	Central America and Caribbean: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million).....	272
	Central America and Caribbean: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million)	273
	Central America and Caribbean: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million).....	274

	Central America and Caribbean: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million).....	275
	Central America and Caribbean: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million).....	275
	Central America and Caribbean: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million).....	276
6.14	NORTH AMERICA	277
	North America: The Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million).....	277
	North America: The Market for HV Switchgear, by Country, 2010 - 2015 (% Change).....	277
	North America: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million).....	278
	North America: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million).....	278
	North America: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million).....	279
	North America: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million).....	279
	North America: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million).....	279
	North America: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million).....	280
	North America: The Market for HV Switchgear, by Country, 2016 to 2025 (US\$ Million).....	280
	North America: The Market for HV Switchgear, by Country, 2016 to 2025 (% Change).....	281
	North America: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million).....	281
	North America: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million).....	282
	North America: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million).....	282
	North America: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million).....	283
	North America: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million).....	283
	North America: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million).....	283
6.15	OCEANIA	285
	Oceania: The Market for HV Switchgear, by Country, 2010 - 2015 (US\$ Million).....	285
	Oceania: The Market for HV Switchgear, by Country, 2010 - 2015 (% Change).....	285
	Oceania: The Market for HV Switchgear, by Country, by Equipment Type 2015 (US\$ Million).....	286
	Oceania: The Market for HV Switchgear, by Country, by Voltage 2015 (US\$ Million).....	286
	Oceania: The Market for HV Switchgear, by Country, by Location 2015 (US\$ Million).....	287
	Oceania: The Market for HV Switchgear, by Country, by Type of Use 2015 (US\$ Million).....	287
	Oceania: The Market for HV Switchgear, by Country, by Technology 2015 (US\$ Million).....	287
	Oceania: The Market for HV Switchgear, by Country, by End Use Customer 2015 (US\$ Million).....	288
	Oceania: The Market for HV Switchgear, by Country, 2015 to 2025 (US\$ Million).....	288
	Oceania: The Market for HV Switchgear, by Country, 2015 to 2025 (% Change).....	289
	Oceania: The Market for HV Switchgear, by Country, by Equipment Type 2025 (US\$ Million).....	289
	Oceania: The Market for HV Switchgear, by Country, by Voltage 2025 (US\$ Million).....	290
	Oceania: The Market for HV Switchgear, by Country, by Location 2025 (US\$ Million).....	290
	Oceania: The Market for HV Switchgear, by Country, by Type of Use 2025 (US\$ Million).....	291
	Oceania: The Market for HV Switchgear, by Country, by Technology 2025 (US\$ Million).....	291
	Oceania: The Market for HV Switchgear, by Country, by End Use Customer 2025 (US\$ Million).....	291
7.	PRODUCTION	293
	The Top 25 Producers of HV Switchgear, 2015 (US\$ Million).....	293
8.	TRADE ANALYSIS	295
8.1	TOP 25 EXPORTERS	295
	The Top 25 Exporters of HV Switchgear, 2010 to 2015 (US\$ Millions).....	295
	The Top 25 Exporters of HV Fuses, 2015 (US\$ Thousands).....	296
	The Top 25 Exporters of HV Circuit Breakers 1-72.5kV, 2015 (US\$ Thousands).....	297
	The Top 25 Exporters of HV Circuit Breakers >72.5kV, 2015 (US\$ Thousands).....	298
	The Top 25 Exporters of HV Switches, 2015 (US\$ Thousands).....	299
	The Top 25 Exporters of Lightning Arresters, 2015 (US\$ Thousands).....	300
	The Top 25 Exporters of Other HV Apparatus, 2015 (US\$ Thousands).....	301
	The Top 25 Exporters of HV Distribution Boards and Panels, 2015 (US\$ Thousands).....	302
8.2	TOP 25 IMPORTERS	303
	The Top 25 Importers of HV Switchgear, 2010 to 2015 (US\$ Millions).....	303
	The Top 25 Importers of HV Fuses, 2015 (US\$ Thousands).....	304
	The Top 25 Importers of HV Circuit breakers 1 to 72.5kV, 2015 (US\$ Thousands).....	305
	The Top 25 Importers of HV Circuit Breakers >72.5kV, 2015 (US\$ Thousands).....	306
	The Top 25 Importers of HV Switches, 2015 (US\$ Thousands).....	307
	The Top 25 Importers of HV Lightning Arresters, 2015 (US\$ Thousands).....	308
	The Top 25 Importers of Other HV Apparatus, 2015 (US\$ Thousands).....	309
	The Top 25 Importers of HV Distribution Boards and Panels, 2015 (US\$ Thousands).....	310
8.3	EXPORT VALUES	311
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Australia - Canada, 2015 (US\$ Thousand).....	311
	The Top 25 Exporters of HV Switchgear to Principal Destinations, China - France, 2015 (US\$ Thousand).....	312
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Germany - India, 2015 (US\$ Thousand).....	313

	The Top 25 Exporters of HV Switchgear to Principal Destinations, Italy – Korea South, 2015 (US\$ Thousand)	314
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Malaysia - Netherlands, 2015 (US\$ Thousand).....	315
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Norway – Portugal, 2015 (US\$ Thousand)	316
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Singapore - Sweden, 2015 (US\$ Thousand)	317
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Switzerland - Turkey, 2015 (US\$ Thousand).....	318
	The Top 25 Exporters of HV Switchgear to Principal Destinations, UK - USA, 2015 (US\$ Thousand)	319
8.4	EXPORT PERCENTAGES	320
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Australia - Canada, 2015 (% by Value).....	320
	The Top 25 Exporters of HV Switchgear to Principal Destinations, China – France, 2015 (% by Value)	321
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Germany - India, 2015 (% by Value)	322
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Italy – Korea South, 2015 (% by Value)	323
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Malaysia - Netherlands, 2015 (% by Value)	324
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Norway – Portugal, 2015 ((% by Value).....	325
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Singapore - Sweden, 2015 ((% by Value)	326
	The Top 25 Exporters of HV Switchgear to Principal Destinations, Switzerland - Turkey, 2015 ((% by Value)	327
	The Top 25 Exporters of HV Switchgear to Principal Destinations, UK - USA, 2015 ((% by Value).....	328
8.5	IMPORT VALUES	329
	Importers of HV Switchgear by Type, 2010 to 2015 Averaged (US\$Thousands).....	329
	Importers of HV Switchgear by Type, 2010 to 2015 Averaged (US\$ Thousands).....	330
	Importers of HV Switchgear by Type, 2010 to 2015 Averaged (US\$ Thousands).....	331
	Importers of HV Switchgear by Type, 2010 to 2015 Averaged (US\$ Thousands).....	332
	Importers of HV Switchgear by Type, 2010 to 2015 Averaged (US\$ Thousands).....	333
	Importers of HV Switchgear by Type, 2010 to 2015 Averaged (US\$ Thousands).....	334
	Importers of HV Switchgear by Type, 2010 to 2015 Averaged (US\$ Thousands).....	335
	Importers of HV Switchgear by Type, 2010 to 2015 Averaged (US\$ Thousands).....	336
	Importers of HV Switchgear by Type, 2010 to 2015 Averaged (US\$ Thousands).....	337
8.6	IMPORT VALUES	338
8.6.1	<i>HV Switchgear Imports by Country Alphabetical 2015</i>	338
	Imports of HV Switchgear, by Country, Albania - Antigua 2015 (US\$ Thousand)	338
	Imports of HV Switchgear, by Country, Argentina - Aruba 2015 (US\$ Thousand).....	339
	Imports of HV Switchgear, by Country, Australia - Azerbaijan 2015 (US\$ Thousand).....	340
	Imports of HV Switchgear, by Country, Bahamas - Barbados 2015 (US\$ Thousand)	341
	Imports of HV Switchgear, by Country, Belarus - Belize 2015 (US\$ Thousand)	342
	Imports of HV Switchgear, by Country, Bermuda - Bolivia 2015 (US\$ Thousand)	343
	Imports of HV Switchgear, by Country, Bosnia - Brazil 2015 (US\$ Thousand).....	344
	Imports of HV Switchgear, by Country Bosnia - Brazil 2015 (US\$ Thousand).....	345
	Imports of HV Switchgear, by Country, Cambodia - Canada 2015 (US\$ Thousand)	346
	Imports of HV Switchgear, by Country, Chile–Hong Kong 2015 (US\$ Thousand).....	347
	Imports of HV Switchgear, by Country, China Macau – Costa Rica 2015 (US\$ Thousand)	348
	Imports of HV Switchgear, by Country, Cote d’Ivoire - Cyprus 2015 (US\$ Thousand).....	349
	Imports of HV Switchgear, by Country, Czech Rep. – Dominican Rep. 2015 (US\$ Thousand).....	350
	Imports of HV Switchgear, by Country, Ecuador–El Salvador 2015 (US\$ Thousand)	351
	Imports of HV Switchgear, by Country, Estonia – Fiji 2015 (US\$ Thousand).....	352
	Imports of HV Switchgear, by Country, Finland–French Polynesia 2015 (US\$ Thousand)	353
	Imports of HV Switchgear, by Country, Georgia - Ghana 2015 (US\$ Thousand).....	354
	Imports of HV Switchgear, by Country, Greece - Guyana 2015(US\$ Thousand)	355
	Imports of HV Switchgear, by Country, Honduras – Iceland 2015 (US\$ Thousand).....	356
	Imports of HV Switchgear, by Country, India - Iran 2015 (US\$ Thousand)	357
	Imports of HV Switchgear, by Country, Ireland - Italy 2015 (US\$ Thousand)	358
	Imports of HV Switchgear, by Country, Jamaica - Jordan 2015 (US\$ Thousand)	359
	Imports of HV Switchgear, by Country, Kazakhstan – Kyrgyzstan 2015 (US\$ Thousand)	360
	Imports of HV Switchgear, by Country, Latvia – Lithuania 2015 (US\$ Thousand).....	361
	Imports of HV Switchgear, by Country, Luxembourg – Madagascar 2015 (US\$ Thousand)	362
	Imports of HV Switchgear, by Country, Malaysia - Mali 2015 (US\$ Thousand).....	363
	Imports of HV Switchgear, by Country, Malta - Mauritius 2015 (US\$ Thousand).....	364
	Imports of HV Switchgear, by Country, Mexico - Montenegro 2015 (US\$ Thousand)	365
	Imports of HV Switchgear, by Country, Morocco – Namibia 2015 (US\$ Thousand).....	366
	Imports of HV Switchgear, by Country, Netherlands–New Zealand 2015 (US\$ Thousand).....	367
	Imports of HV Switchgear, by Country, Nicaragua - Norway 2015 (US\$ Thousand).....	368
	Imports of HV Switchgear, by Country, Oman - Panama 2015 (US\$ Thousand)	369
	Imports of HV Switchgear, by Country, Papua NG–Peru 2015(US\$ Thousand)	370
	Imports of HV Switchgear, by Country, Philippines - Portugal 2015 (US\$ Thousand)	371
	Imports of HV Switchgear, by Country, Romania - Rwanda 2015 (US\$ Thousand)	372
	Imports of HV Switchgear, by Country, Saudi Arabia - Serbia 2015 (US\$ Thousand).....	373
	Imports of HV Switchgear, by Country, Singapore - Slovenia 2015 (US\$ Thousand).....	374

Imports of HV Switchgear, by Country, S. Africa–Sri Lanka 2015 (US\$ Thousand).....	375
Imports of HV Switchgear, by Country, Sudan – Sweden 2015 (US\$ Thousand).....	376
Imports of HV Switchgear, by Country, Switzerland - Thailand 2015 (US\$ Thousand).....	377
Imports of HV Switchgear, by Country, Togo - Turkey 2015 (US\$ Thousand).....	378
Imports of HV Switchgear, by Country, Uganda - Ukraine 2015 (US\$ Thousand).....	379
Imports of HV Switchgear, by Country, Uruguay - Venezuela 2015 (US\$ Thousand).....	380
Imports of HV Switchgear, by Country, Vietnam - Zimbabwe 2015 (US\$ Thousand).....	381
8.6.2 HV Switchgear Imports by Region, by Country 2010 to 2015	382
Imports of HV Switchgear, Western Europe, by Country, 2010 to 2015 Values (US\$ Thousand).....	382
Imports of HV Switchgear, Eastern Europe, by Country, 2010 to 2015 Values (US\$ Thousand).....	383
Imports of HV Switchgear, Former Soviet Union, by Country, 2010 to 2015 Values (US\$ Thousand).....	384
Imports of HV Switchgear, North Africa, by Country, 2010 to 2015 Values (US\$ Thousand).....	385
Imports of HV Switchgear, Western Africa, by Country, 2010 to 2015 Values (US\$ Thousand).....	386
Imports of HV Switchgear, Central Africa, by Country, 2010 to 2015 Values (US\$ Thousand).....	387
Imports of HV Switchgear, East Africa, by Country, 2010 to 2015 Values (US\$ Thousand).....	387
Imports of HV Switchgear, Southern Africa, by Country, 2010 to 2015 Values (US\$ Thousand).....	388
Imports of HV Switchgear, Middle East, by Country, 2010 to 2015 Values (US\$ Thousand).....	389
Imports of HV Switchgear, Indian Sub-Continent, by Country, 2010 to 2015 Values (US\$ Thousand).....	390
Imports of HV Switchgear, Asia, by Country, 2010 to 2015 Values (US\$ Thousand).....	391
Imports of HV Switchgear, South America, by Country, 2010 to 2015 Values (US\$ Thousand).....	392
Imports of HV Switchgear, C America&Caribbean, by Country, 2010 to 2015 Values (US\$ Thousand).....	393
Imports of HV Switchgear, North America, by Country, 2010 to 2015 Values (US\$ Thousand).....	394
Imports of HV Switchgear, Australasia, by Country, 2010 to 2015 Values (US\$ Thousand).....	395
9. APPENDICES	397
9.1 EXCHANGE RATES	397
Exchange Rates for Major Currencies against US Dollar 2010-2013.....	397
9.2 ESTIMATED PRODUCTION BY COMPANY BY COUNTRY	399
Estimated production by Country by Company-2015 (US\$ Million).....	399
10. COUNTRY PROFILES BY REGION	407
10.1 Western Europe.....	409
W Europe – Country by Country Profiles.....	409
W Europe – Country by Country Profiles - continued.....	410
10.2 Eastern Europe	411
E Europe – Country by Country Profiles.....	411
10.3 Former Soviet Union.....	412
FSU – Country by Country Profiles.....	412
10.4 North Africa	413
N. Africa – Country by Country Profiles.....	413
10.5 West Africa	414
W. Africa – Country by Country Profiles.....	414
10.6 Central Africa.....	415
Central Africa – Country by Country Profiles.....	415
10.7 East Africa.....	416
East Africa – Country by Country Profiles.....	416
10.8 South Africa	417
South Africa – Country by Country Profiles	417
10.9 Middle East	418
Middle East – Country by Country Profiles.....	418
10.10 Indian Subcontinent	419
Indian Subcon. – Country by Country Profiles.....	419
10.11 Asia	420
Asia – Country by Country Profiles.....	420
Asia – Country by Country Profiles - continued.....	421
10.12 South America.....	422
South America – Country by Country Profiles	422
10.13 Central America & Caribbean.....	423
C. America & Caribb. – Country by Country Profiles.....	423
C. America & Caribb. – Country by Country Profiles - continued.....	424
10.14 North America.....	425
North America – Country by Country Profiles	425
10.15 Australasia.....	426
Australasia – Country by Country Profiles.....	426

1. INTRODUCTION

1.1 OBJECTIVES AND SCOPE

The objective of this report is to provide a concise overview of the world market for High Voltage Switchgear. The report gives an estimate of the value of High Voltage Switchgear consumption in each national market, broken down by product type. The data given are 2010-2015 actual market values and estimated 2016 market values; forward projections through to 2025 are made on the basis of the infrastructure development in each country over the last 30 years.

For the purposes of this report the High Voltage Switchgear market is defined as comprising fuses/cut-outs; automatic circuit breakers (vac/oil/air/SF6 - including reclosers); vacuum interrupters; isolating (make and break) switches; lightning arresters/limiters/suppressors; discrete panels/bays.

In other words, the report examines transmission and distribution substation components, not including HV Switchgear, capacitors, bus systems or relays. Values will not include application engineering, project management, installation or maintenance costs.

Within this report High Voltage Switchgear has been broken down into seven categories :

- **Fuses** (for a voltage exceeding 1000 volts)
- **Circuit Breakers** (Automatic, for a voltage exceeding 1000 volts but less than 72.5 kV)
- **Circuit Breakers** (Automatic, for a voltage exceeding 72.5 kV)
- **Switches** (Isolating and Make-and-Break, for a voltage exceeding 1000 volts)
- **Distribution and Control Panels** (for a voltage exceeding 1000 volts)
- **Lightning Arresters** (including voltage limiters and surge suppressors, for a voltage exceeding 1000 volts)
- **Other** (Other electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits, including boards, panels [including numerical control panels] consoles, desks, cabinets etc. for electric control or the distribution of electricity) for a voltage exceeding 1000 volts.

The market sizes for High Voltage Switchgear are also broken down by voltage, into the following voltage ranges:

- **1 – 49 kV**
- **50 – 150 kV**
- **>150 kV**

The market sizes for High Voltage Switchgear are also broken down by type of use, into the following voltage categories:

- **Switchyards and Major Substations**
- **Overhead Line Gear**
- **Primary Distribution Equipment**
- **Secondary Distribution Equipment**

Distribution switchgear is further segmented into:

- **Distribution Switchgear (Outdoor use)**
- **Distribution Switchgear (Indoor use)**

The market sizes for High Voltage Switchgear are also broken down by type of customer, into the following voltage categories:

- **Utility Companies**
- **Construction and Industry**
- **Rail and Transport**
- **Mining, Marine and Offshore**

The scope for this report is global - that is, every country having a significant customer base for High Voltage Switchgear. The report is designed to be used as a first line planning tool by companies interested in the global market for High Voltage Switchgear, and as a base from which to identify national markets worthy of further investigation.

1.2 METHODOLOGY

Data in the markets report is presented in US dollars (conversion tables are included in the appendices). The salient points of the methodology are as follows:-

- The survey was based primarily on desk research, including a review of available published production and trade statistics. Import and export figures are calculated from national and United Nations' figures for 2010–2014 the most comprehensive and up-to-date statistics available. Market values are assumed to be equal to Production + (Imports - Exports). National production estimates are based on statistics provided by national governments and trade associations. Market sizes for 2015 are estimated by analysing a range of economic indicators together with trends in trade flow and the pattern of market size growth over the period 2005-2012.
- Market values for the period 2016 to 2025 have been estimated based on two separate methodologies. Firstly the past growth rate in market values for each country have been extrapolated and have been compared with general macro-economic indicators such as GDP, GDP growth and inputs to the value added for each economy. Secondly, the development of the electrical power system in each country has been studied to provide indications for future system growth, and hence market growth.
- Market values are at factory gate prices - they reflect the prices for the products by the importer and do not include trade mark-ups and installation costs. It should be noted that published classifications of products, especially with respect to trade statistics, are sometimes inaccurate, as products may be shipped under generic titles. It should also be noted that Goulden Reports chronicles shipments rather than contracts. A contract to supply goods over a number of years will not appear as a one-off event in a Goulden Report, but rather will be recorded from the trade statistics. The nature of the market means that demand within countries, especially developing ones, can fluctuate greatly from year to year as purchases are often made on a one-off basis rather than spread evenly over a number of years.
- Within national markets, where published figures were unavailable to us, the breakdown between different product categories is based on intelligence about the pattern of consumption in the country concerned. In these cases the breakdown is made from an estimate of the total market size rather than the value of the entire market being calculated from the individual product categories.

2. SUMMARY

The global market for HV Switchgear was valued at US\$xxxx million in 2015 having grown at a cagr of xxxx% between 2010 and 2014.

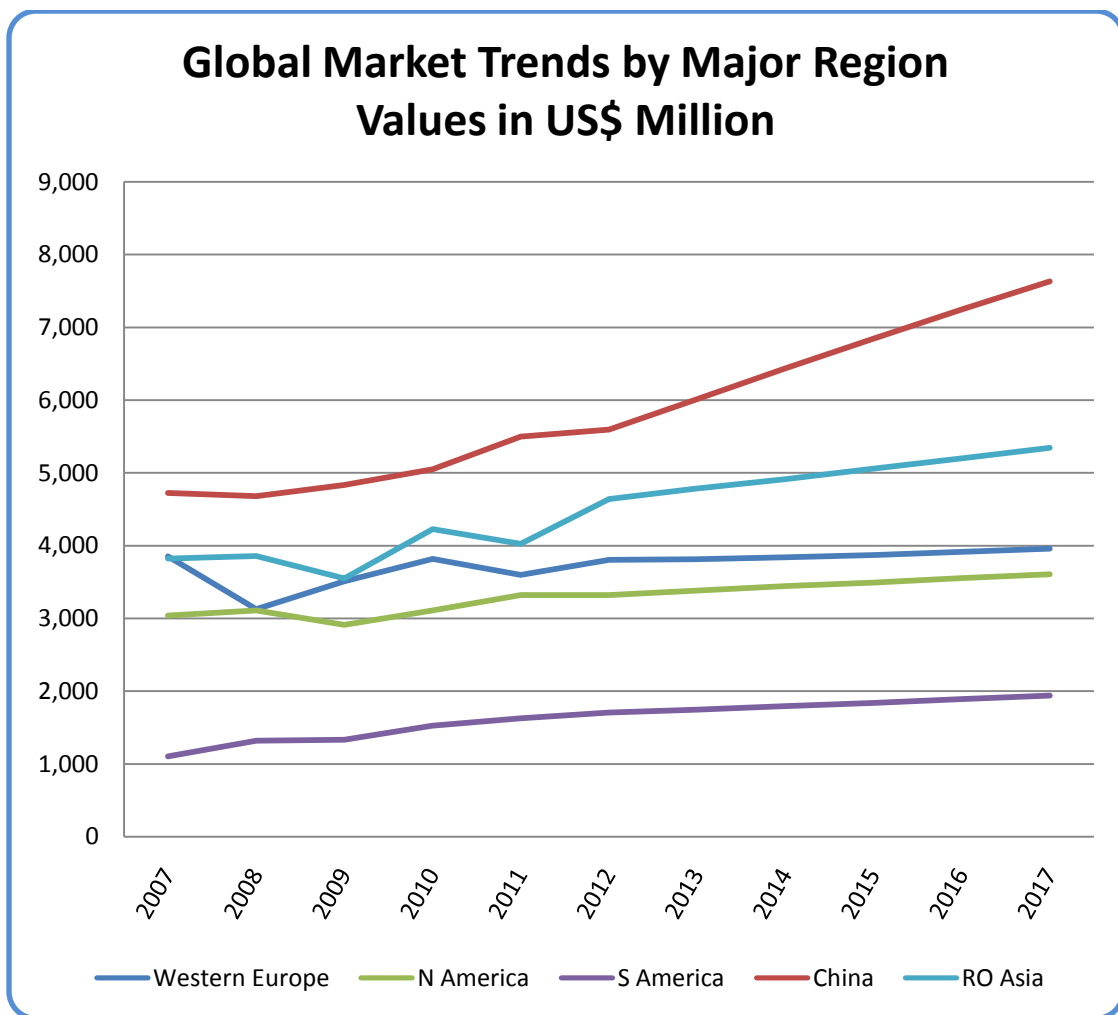
We forecast that the global market will increase at a cagr of xxx% to reach US\$xxxxx million in 2025 – based on 2016 prices.

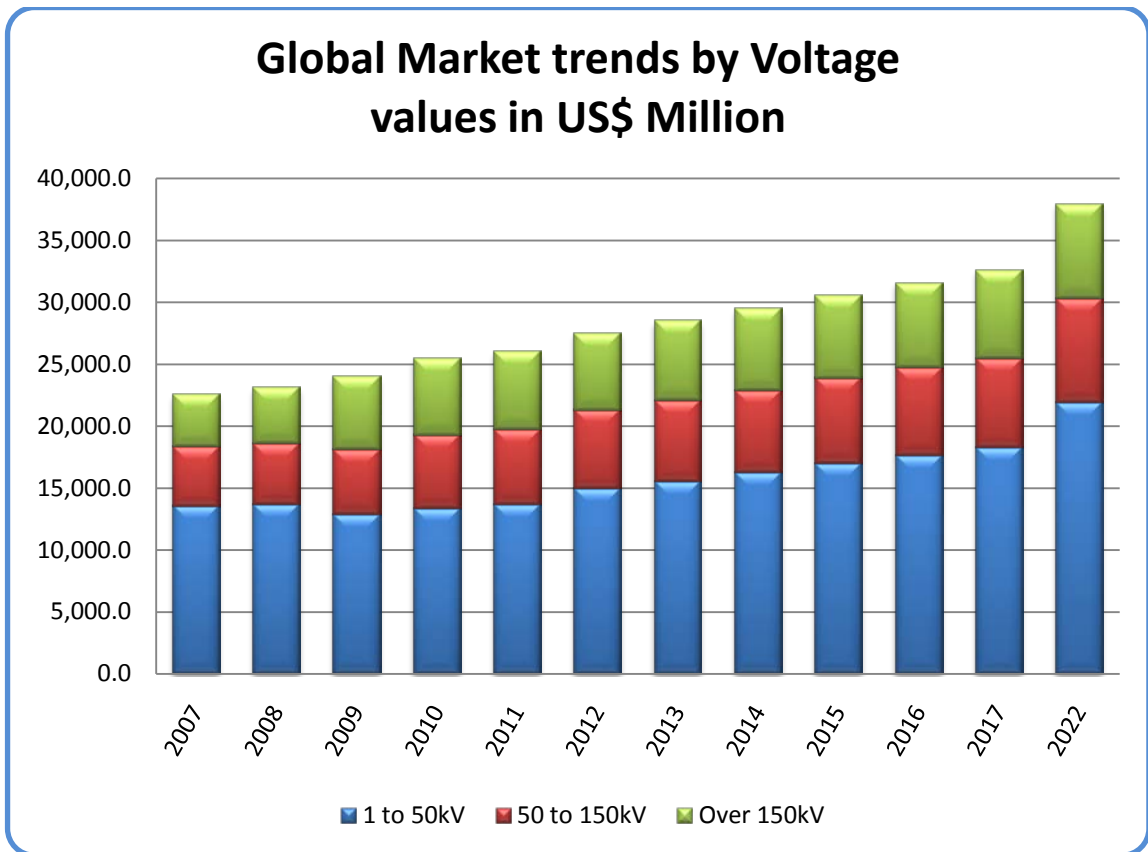
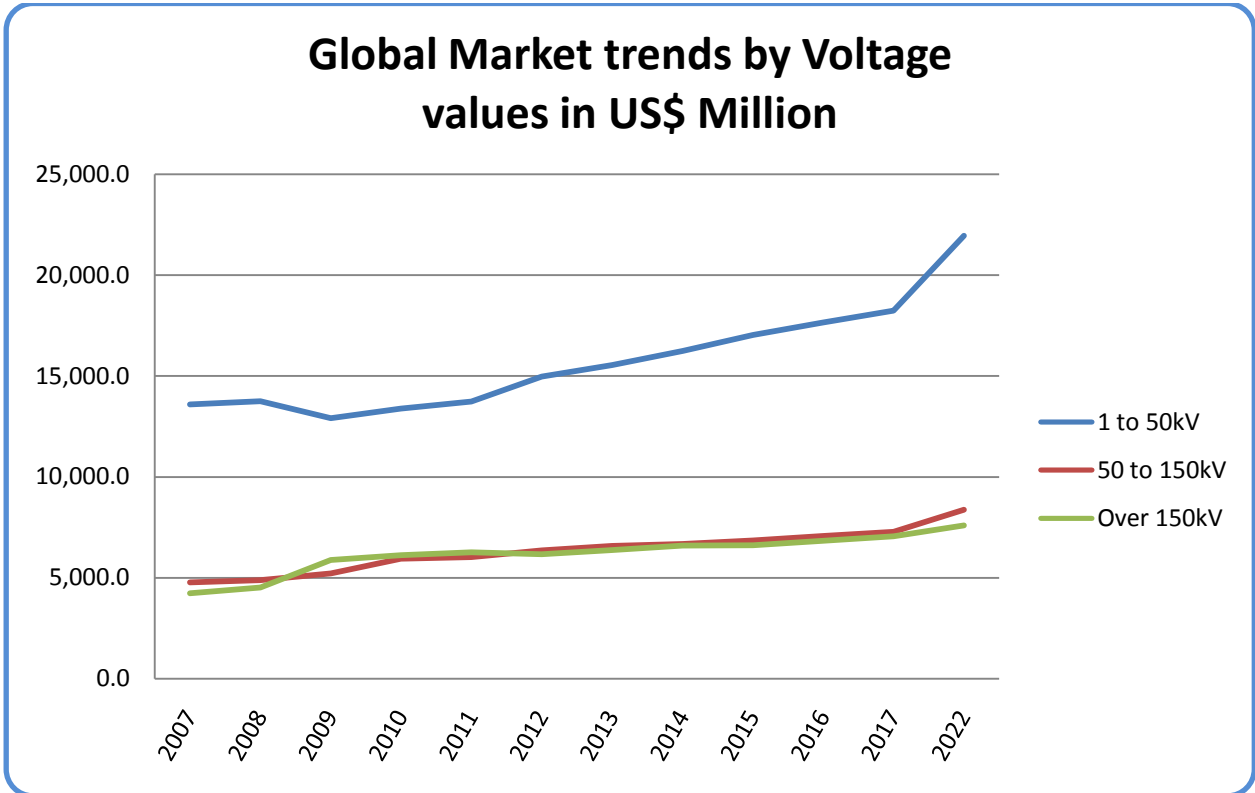
The largest national market in 2015 was that of China, which was valued at US\$xxxx million and which accounted for xx% of the overall world market.

The second largest national market was that of the USA (US\$xxxx million) followed by xxxx (US\$xxxx million) and xxxxx (US\$xxxx million).

The largest regional market for HV Switchgear in 2015 was Asia (US\$xxxxx million) followed by Western Europe (US\$xxxxx million) and North America (US\$xxxxx million).

These growth have not been uniform across the globe neither has the consumption of switchgear across the voltage range. The figures are shown in the charts below:-





COMMENTARY FROM PREVIOUS EDITION 2012 - 2022

The market for distribution switchgear in the range nominally up to 50kV clearly declined globally in 2009 as a short term reaction to the financial crash and was not back on trend until 2012.

Switchgear demand at higher voltages continued to increase during that period but has virtually flat lined from 2010 and the future growth is expected to be at very modest rates until the end of the decade.

The market in Western Europe fell steeply in 2010, shows a double dip but then increases gradually for the forecast period. This pattern is mirrored by Asia (not including China) but commencing a year later in 2009.

North America also fell in 2009 but does not show a second dip and is forecast to grow at a higher rate.

The market in China stagnated in 2010/2009, increased until 2011 and then slowed again in 2012. The growth through to the end of the forecast period will be in the order of 5 to 6% cagr – roughly half the rates experienced up to 2010.

The largest producer in 2012 was China, with production totalling US\$6,233 million, or 22% of global production.

Reported exports of HV Switchgear totalled US\$16,293 million in 2012.

The largest exporter in 2012 was Germany (US\$3,404 million), followed by the USA (US\$1,331 million), China (US\$1,317 million) and by France (US\$1,176 million). This varies significantly from the 2009 picture which showed the largest exporter in 2009 was Germany (US\$3,366 million), followed by France (US\$1,030 million) and the USA (US\$940 million).

The largest importer in 2012 was the USA (US\$1053 million) followed by Germany (US\$877 million), Saudi Arabia (US\$810 million), Russia (US\$789 million) and China (US\$676 million). This can be compared to the 2009 figures which showed; the largest importer in 2009 was China (US\$903 million) followed by Germany (US\$705 million) and The USA (US\$678 million).

The supplier base continues to evolve in reaction to the markets. ABB is the largest producer of HV Switchgear with products across the full spectrum of the high voltage range and the company's world market share is estimated to be a little under 17.0%. Siemens is second at a little over 13% and Alstom remains in third place as the amalgamation of the old Areva T&D business into Alstom and Schneider (HV and MV parts respectively) unfolds. The Alstom share of the global market has settled at about 8.5% but the Schneider share which we originally estimated at 5.8% has now increased to over 6%. How much is due to their increased market penetration and how much is due to the distribution switchgear sector increasing is not clear.

The US\$11.8 billion acquisition of Cooper Industries by Eaton Corp which was completed at the end of 2012 has also impacted on the market, especially in the 1 to 50kV segment where both had activities. Pre-merger we estimated their global shares at 3.2% with Cooper at 1.7% and Eaton at 1.5%. It seems that the greatest effect of the combined entity will be in the low voltage sector; nevertheless, together we now estimate their combined share of the HV market at 3.4% on a market that has also grown in the interim.

The current (as at the time of going to press) uncertainty as to which suitor will be successful in the acquisition of the Alstom Grid business is still playing out.

With respect to HV Switchgear, a glance at table 21 shows the overall position. ABB are top of the league with 16.6% share, GE + Alstom Grid will result in a combined share in the order of 11%; which places the combined business in third place behind Siemens. A combination of Siemens + Mitsubishi + Alstom Grid; gives a combined share in the order of 25%. In reality this would net down to much less than that because of the large areas (geographically and product) of overlap within the combined group; particularly between Siemens and Alstom Grid in Europe. GE on the other hand appears to be a much better fit both product-wise and from a geographical perspective. No doubt money rather than logic will decide; all of which will be reported in the next edition of this report.

2.1 SUMMARY TABLES

Table 1

The Fastest Growing National Markets for HV Switchgear 2010 - 2015 (US\$ Million)

Country	Market Size 2010	Market Size 2015	% Change 2010 - 2015

Source: Goulden Reports and United Nations

Note: Only countries with market sizes greater than US\$50 million are included in this section. Smaller markets may display significantly larger percentage changes.

Table 2
**The Fastest Growing National Markets for HV Switchgear
2015 - 2020 (US\$ Million)**

Country	Market Size 2015	Market Size 2020	% Change 2015 - 2020

Source: Goulden Reports and United Nations

Note: Only countries with market sizes greater than US\$50 million are included in this section. Smaller markets may display significantly larger percentage changes.

Table 3
**The Fastest Growing National Markets for HV Switchgear
2020 - 2025 (US\$ Million)**

Country	Market Size 2020	Market Size 2025	% Change 2020 - 2025

Source: Goulden Reports and United Nations

Note: Only countries with market sizes greater than US\$50 million are included in this section. Smaller markets may display significantly larger percentage changes.

Table 4

**The Fastest Declining National Markets for HV Switchgear
2010 - 2015 (US\$ Million)**

Country	Market Size 2010	Market Size 2015	% Change 2010 - 2015

Source: Goulden Reports and United Nations

Note: Only countries with market sizes greater than US\$25 million are included in this section. Smaller markets may display significantly larger percentage changes.

Table 5
**The Fastest Declining National Markets for HV Switchgear
2015 – 2020 (US\$ Million)**

Country	Market Size 2015	Market Size 2020	% Change 2015 - 2020

Source: Goulden Reports and United Nations

Note: Only countries with market sizes greater than US\$50 million are included in this section. Smaller markets may display significantly larger percentage changes.

Table 6

The Largest National Markets for HV Switchgear 2015 (US\$ Million)

Country	Market Size 2015	% Global Market

Source: Goulden Reports and United Nations

Table 7

The Largest National Markets for HV Switchgear 2020 (US\$ Million)

Country	Market Size 2020	% Global Market

Source: Goulden Reports and United Nations

3. THE WORLD MARKET

Table 8

The World Market for HV Switchgear, by Region, 2010- 2015 (US\$ Million)

Region	2010	2011	2012	2013	2014	2015
Western Europe						
Eastern Europe						
Former USSR						
North Africa						
West Africa						
Central Africa						
East Africa						
Southern Africa						
Middle East						
Indian Sub Continent						
Asia						
South America						
Central America & Carib						
North America						
Oceania						
Total						

Source: Goulden Reports and United Nations

Table 9

The World Market for HV Switchgear, by Region, 2010 - 2015 (% Change)

Region	2011/2010	2012/2011	2013/2012	2014/2013	2015/2014
Western Europe					
Eastern Europe					
Former USSR					
North Africa					
West Africa					
Central Africa					
East Africa					
Southern Africa					
Middle East					
Indian Sub Continent					
Asia					
South America					
Central America &Carib					
North America					
Oceania					
Total					

Source: Goulden Reports and United Nations

Table 10

The World Market for HV Switchgear, by Region, by Equipment Type 2015 (US\$ Million)

Region	Fuses	ACB's 1 to 72.5kV	ACB's > 72.5kV	Switches	Lightning Arresters	Other Equip'nt	Panels	Total million (\$)
Western Europe								
Eastern Europe								
Former USSR								
North Africa								
West Africa								
Central Africa								
East Africa								
Southern Africa								
Middle East								
Indian Sub Continent								
Asia								
South America								
Cent. America & Carib.								
North America								
Oceania								
Total								

Source: Goulden Reports and United Nations

Table 11

The World Market for HV Switchgear, by Region, by Voltage Level 2015 (US\$ Million)

Region	1 – 50kV	50 to 150kV	Over 150kV	Total
Western Europe				
Eastern Europe				
Former USSR				
North Africa				
West Africa				
Central Africa				
East Africa				
Southern Africa				
Middle East				
Indian Sub Continent				
Asia				
South America				
Cent. America & Carib.				
North America				
Oceania				
Total				

Source: Goulden Reports and United Nations

Table 12

The World Market for HV Distribution Switchgear, by Region, by Location 2015 (US\$ Million)

Region	Distribution Switchgear Outdoor	Distribution Switchgear Indoor	Total
Western Europe			
Eastern Europe			
Former USSR			
North Africa			
West Africa			
Central Africa			
East Africa			
Southern Africa			
Middle East			
Indian Sub Continent			
Asia			
South America			
Cent. America & Carib.			
North America			
Oceania			
Total			

Source: Goulden Reports and United Nations

Table 13

The World Market for HV Switchgear, by Region, by Type of Use 2015 (US\$ Million)

Region	S/yards & Major Subst'ns.	Overhead Line Gear	Primary Dist'ution Equipment	Secondary Dist'ution Equipment	Total
Western Europe					
Eastern Europe					
Former USSR					
North Africa					
West Africa					
Central Africa					
East Africa					
Southern Africa					
Middle East					
Indian Sub Continent					
Asia					
South America					
Cent. America & Carib					
North America					
Oceania					
Total					

Source: Goulden Reports and United Nations

Table 14

The World Market for HV Switchgear, by Region, by End Use Customer 2015 (US\$ Million)

Region	Utility Organisations	Construction & Industry	Rail & Transport	Mining, Marine & Offshore	Total
Western Europe					
Eastern Europe					
Former USSR					
North Africa					
West Africa					
Central Africa					
East Africa					
Southern Africa					
Middle East					
Indian Sub Continent					
Asia					
South America					
Cent. America & Carib.					
North America					
Oceania					
Total					

Source: Goulden Reports and United Nations

Table 15

The World Market for HV Switchgear, by Region, by Technology 2015 (US\$ Million)

Region	GIS Switchgear	AIS Switchgear	Hibrid Switchgear	Other Equipment	Total
Western Europe					
Eastern Europe					
Former USSR					
North Africa					
West Africa					
Central Africa					
East Africa					
Southern Africa					
Middle East					
Indian Sub Continent					
Asia					
South America					
Cent. America & Carib					
North America					
Oceania					
Total					

Source: Goulden Reports and United Nations

3.1 FORECAST WORLD MARKET 2016 - 2025

Table 16

The Forecast World Market for HV Switchgear, by Region, 2013 to 2022 (US\$ Million)

Region	2016	2017	2018	2019	2020	2025	cagr
Western Europe							
Eastern Europe							
Former USSR							
North Africa							
West Africa							
Central Africa							
East Africa							
Southern Africa							
Middle East							
Indian Sub Continent							
Asia							
South America							
Cent. America & Carib.							
North America							
Oceania							
Total							

Source: Goulden Reports

Table 17

The Forecast World Market for HV Switchgear, by Region, 2016 to 2025 (% Change)

Region	2016/15	2017/16	2018/17	2019/18	2020/19	2025/20 cagr
Western Europe						
Eastern Europe						
Former USSR						
North Africa						
West Africa						
Central Africa						
East Africa						
Southern Africa						
Middle East						
Indian Sub Continent						
Asia						
South America						
Cent. America & Carib.						
North America						
Oceania						
Total						

Source: Goulden Reports

Table 18

The World Market for HV Switchgear, by Region, by Equipment Type 2025 (US\$ Million)

Region	Fuses	ACB's 1 to 72.5kV	ACB's > 72.5kV	Switches	Lightning Arresters	Other Equip'nt	Panels	Total million (\$)
Western Europe								
Eastern Europe								
Former USSR								
North Africa								
West Africa								
Central Africa								
East Africa								
Southern Africa								
Middle East								
Indian Sub Continent								
Asia								
South America								
Cent. America & Carib.								
North America								
Oceania								
Total								

Source: Goulden Reports and United Nations

Table 19

The World Market for HV Switchgear, by Region, by Voltage Level 2025 (US\$ Million)

Region	1 – 50kV	50 to 150kV	Over 150kV	Total
Western Europe				
Eastern Europe				
Former USSR				
North Africa				
West Africa				
Central Africa				
East Africa				
Southern Africa				
Middle East				
Indian Sub Continent				
Asia				
South America				
Cent. America & Carib.				
North America				
Oceania				
Total				

Source: Goulden Reports and United Nations

Table 20

The World Market for HV Distribution Switchgear, by Region, by Location 2025 (US\$ Million)

Region	Distribution Switchgear Outdoor	Distribution Switchgear Indoor	Total
Western Europe			
Eastern Europe			
Former USSR			
North Africa			
West Africa			
Central Africa			
East Africa			
Southern Africa			
Middle East			
Indian Sub Continent			
Asia			
South America			
Cent. America & Carib.			
North America			
Oceania			
Total			

Source: Goulden Reports and United Nations

Table 21

The World Market for HV Switchgear, by Region, by Type of Use 2025 (US\$ Million)

Region	S/yards & Major Subst'ns.	Overhead Line Gear	Primary Dist'ution Equipment	Secondary Dist'ution Equipment	Total
Western Europe					
Eastern Europe					
Former USSR					
North Africa					
West Africa					
Central Africa					
East Africa					
Southern Africa					
Middle East					
Indian Sub Continent					
Asia					
South America					
Cent. America & Carib					
North America					
Oceania					
Total					

Source: Goulden Reports and United Nations

Table 22

The World Market for HV Switchgear, by Region, by End Use Customer 2025 (US\$ Million)

Region	Utility Organisations	Construction & Industry	Rail & Transport	Mining, Marine & Offshore	Total
Western Europe					
Eastern Europe					
Former USSR					
North Africa					
West Africa					
Central Africa					
East Africa					
Southern Africa					
Middle East					
Indian Sub Continent					
Asia					
South America					
Cent. America & Carib.					
North America					
Oceania					
Total					

Source: Goulden Reports and United Nations

Table 24

Leading Manufacturers' Sales of HV Switchgear, per Region, 2012 (US\$ Million)

Company	Western Europe	Eastern Europe & Former USSR	Africa	Middle East

continued...

Table 25

Leading Manufacturers' Sales of HV Switchgear, per Region, 2012 (US\$ Million) - continued

Company	Asia-Pacific	North America	South & Central America & Caribbean	Total

Source: Goulden Reports

5.1 HV SWITCHGEAR INDUSTRY CONTACT DETAILS

6. REGIONAL MARKETS

6.1 WESTERN EUROPE

6.2 EASTERN EUROPE

6.3 FORMER SOVIET UNION

6.4 NORTH AFRICA

6.5 WEST AFRICA

6.6 CENTRAL AFRICA

6.7 EAST AFRICA

6.8 SOUTHERN AFRICA

6.9 MIDDLE EAST

6.10 INDIAN SUB CONTINENT

6.11 ASIA

6.12 SOUTH AMERICA

6.13 CENTRAL AMERICA AND CARIBBEAN

6.14 NORTH AMERICA

6.15 OCEANIA

7. PRODUCTION

Table 26

The Top 25 Producers of HV Switchgear, 2015 (US\$ Million)

Country	Production	% share

Source: Goulden Reports and United Nations

8. TRADE ANALYSIS

8.1 TOP 25 EXPORTERS

Table 27

The Top 25 Exporters of HV Switchgear, 2010 to 2014 (US\$ Millions)

Country	2010 to 2014 Av.	Value 2014	% Total 2014

Source: Goulden Reports and United Nations

Table 28

The Top 25 Exporters of HV Fuses, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 29

The Top 25 Exporters of HV Circuit Breakers 1-72.5kV, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 30

The Top 25 Exporters of HV Circuit Breakers >72.5kV, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 31

The Top 25 Exporters of HV Switches, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 32

The Top 25 Exporters of Lightning Arresters, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 33

The Top 25 Exporters of Other HV Apparatus, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 34

The Top 25 Exporters of HV Distribution Boards and Panels, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

8.2 TOP 25 IMPORTERS

Table 35

The Top 25 Importers of HV Switchgear, 2010 to 2014 (US\$ Millions)

Country	Av Value 2010 to 2014	Value 2014	% Total 2014

Source: Goulden Reports and United Nations

Table 36

The Top 25 Importers of HV Fuses, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 37

The Top 25 Importers of HV Circuit breakers 1 to 72.5kV, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 38

The Top 25 Importers of HV Circuit Breakers >72.5kV, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 40

The Top 25 Importers of HV Lightning Arresters, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 41
The Top 25 Importers of Other HV Apparatus, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

Table 42

The Top 25 Importers of HV Distribution Boards and Panels, 2014 (US\$ Thousands)

Country	Value	% of World Total

Source: Goulden Reports and United Nations

8.3 EXPORT VALUES

Table 43

**The Top 25 Exporters of HV Switchgear to Principal Destinations,
Australia - Canada, 2014 (US\$ Thousand)**

	Australia		Belgium		Canada

Source: Goulden Reports and United Nations

Table 44

**The Top 25 Exporters of HV Switchgear to Principal Destinations,
China – France, 2012 (US\$ Thousand)**

Source: Goulden Reports and United Nations

Table 45

**The Top 25 Exporters of HV Switchgear to Principal Destinations,
Germany - India, 2012 (US\$ Thousand)**

	Germany		Hungary		India

Source: Goulden Reports and United Nations

Table 46

**The Top 25 Exporters of HV Switchgear to Principal Destinations,
Italy – Korea South, 2012 (US\$ Thousand)**

	Italy		Japan		Korea South

Source: Goulden Reports and United Nations

Table 47

**The Top 25 Exporters of HV Switchgear to Principal Destinations,
Malaysia - Netherlands, 2012 (US\$ Thousand)**

	Malaysia		Mexico		Netherlands

Source: Goulden Reports and United Nations

Table 48

**The Top 25 Exporters of HV Switchgear to Principal Destinations,
Norway – Portugal, 2012 (US\$ Thousand)**

	Norway		Poland		Portugal

Source: Goulden Reports and United Nations

Table 49

**The Top 25 Exporters of HV Switchgear to Principal Destinations,
Singapore - Sweden, 2012 (US\$ Thousand)**

	Singapore		Spain		Sweden

Source: Goulden Reports and United Nations

Table 50

**The Top 25 Exporters of HV Switchgear to Principal Destinations,
Switzerland - Turkey, 2012 (US\$ Thousand)**

	Switzerland		Turkey

Source: Goulden Reports and United Nations

Table 51
The Top 25 Exporters of HV Switchgear to Principal Destinations,
UK - USA, 2012 (US\$ Thousand)

	UK		USA

Source: Goulden Reports and United Nations

8.4 EXPORT PERCENTAGES

8.5 IMPORT VALUES

Table 52

**Importers of HV Switchgear by Type,
2010 to 2014 Averaged (US\$Thousands)**

Country	1	2	3	4	5	6	7	8
Afghanistan								
Albania								
Algeria								
Angola								
Argentina								
Armenia								
Australia								
Austria								
Azerbaijan								
Bahamas								
Bahrain								
Bangladesh								
Barbados								
Belarus								
Belgium								
Belize								
Benin								
Bermuda								
Bhutan								
Bolivia								

Source: Goulden Reports and United Nations

Key

1 = Fuses

2 = Circuitbreakers 1 to 72.5kV

3 = Circuitbreakers over 72.5kV

4 = Switches

5 = Lightning Arresters

6 = Other apparatus

7 = Distribution Boards & panels

8 = Total

8.6 IMPORT VALUES**8.6.1 HV Switchgear Imports by Country Alphabetical 2014**

Table 53

**Imports of HV Switchgear, by Country, Albania - Antigua
2014 (US\$ Thousand)**

	Albania		Algeria		Antigua & Barbuda

Source: Goulden Reports and United Nations

8.6.2 HV Switchgear Imports by Region, by Country 2010 to 2012

Table 54

Imports of HV Switchgear, Western Europe, by Country,
2010 to 2014 Values (US\$ Thousand)

Country	2010	2011	2012	2013	2014
Austria					
Belgium					
Cyprus					
Denmark					
Finland					
France					
Germany					
Greece					
Iceland					
Ireland					
Italy					
Luxembourg					
Malta					
Netherlands					
Norway					
Portugal					
Spain					
Sweden					
Switzerland					
UK					
Total					

Source: Goulden Reports and United Nations

9. APPENDICES

9.1 EXCHANGE RATES

Table 55

Exchange Rates for Major Currencies against US Dollar 2010-2013

Currency	2010*	2009*	2010*	2011*	2012*	2013*
Argentinean Peso	3.17	3.72	3.90	4.12	4.53	5.46
Australian Dollar	1.19	1.28	1.09	0.97	0.97	1.04
Brazilian Real	1.84	1.99	1.75	1.67	1.95	2.16
British Pound	0.55	0.64	0.65	0.62	0.63	0.64
Canadian Dollar	1.10	1.14	1.03	0.99	1.00	1.03
Chinese Yuan	6.96	6.82	6.76	6.46	6.30	6.19
Czech Koruna	17.10	19.00	19.07	17.66	19.54	19.54
Danish Kroner	5.10	5.35	5.62	5.36	5.79	5.62
Egyptian Pound	5.49	5.51	5.59	5.92	6.03	6.84
Euro	0.68	0.72	0.75	0.72	0.78	0.75
Hong Kong Dollar	7.79	7.75	7.77	7.78	7.76	7.76
Indian Rupee	43.82	48.42	45.72	46.84	53.45	58.49
Indonesian Rupiah	9,684.9	10,387.2	9,056.7	8,724.7	9,328.0	10,397.6
Israeli Shekel	3.59	3.92	3.73	3.57	3.85	3.61
Japanese Yen	103.47	93.58	87.78	79.72	79.78	97.71
Malaysian Ringgit	3.34	3.51	3.21	3.05	3.08	3.14
Mexican Peso	11.17	13.48	12.63	12.42	13.15	12.75
New Zealand Dollar	1.43	1.60	1.39	1.26	1.23	1.22
Nigerian Nair	120.19	148.30	149.30	154.24	157.54	157.75
Norwegian Kroner	5.65	6.28	6.04	5.60	5.82	5.88
Polish Zloty	2.41	3.11	3.01	2.96	3.25	3.16
Russian Rouble	24.87	31.63	30.31	29.33	30.98	31.84
Saudi Riyal	3.76	3.75	3.74	3.75	3.75	3.75
South African Rand	8.28	8.40	7.30	7.23	8.20	9.65
South Korean Won	1,102.8	1,272.7	1,153.3	1,105.8	1,123.0	1,091.1
Swedish Kroner	6.59	7.64	7.20	6.49	6.77	6.51
Swiss Franc	1.08	1.09	1.04	0.89	0.94	0.93
Taiwanese Dollar	31.56	33.01	31.52	29.26	29.49	29.65
Thai Baht	33.27	34.08	31.51	30.30	30.91	30.64
Turkish Lira	1.31	1.55	1.51	1.68	1.80	1.91

*Average rates January to December
Source: OANDA and Goulden Reports

9.2 ESTIMATED PRODUCTION BY COMPANY BY COUNTRY

The estimates below are a second attempt to complete such an analysis worldwide. As with the first edition Reports would welcome any feedback, amendments and corrections to this table.

Table 56

Estimated production by Country by Company-2015 (US\$ Million)

Country	Company	2015 Production US\$ Million
WESTERN EUROPE		
Austria		
Belgium		
Denmark		
Finland		
France		
Germany		
Greece		

continued.....

NORTH AMERICA
Canada
Mexico
USA
AUSTRALASIA
Australia
New Zealand
World

Source: Goulden Reports Estimates



10. COUNTRY PROFILES BY REGION

10.1 Western Europe

Table 57

W Europe – Country by Country Profiles

Country	Country Area (Sq.Km)	Population (Thousands) 2012	GDP (US\$ Millions) 2012	GDPper Capita (US\$) 2012	Load (GWh) 2010	Average Load (kWh/Capita) 2010	Installed Capacity MW 2010	Transmission cctkm 2010	Distribution cctkm 2010	Low Voltage cctkm 2010
Austria										
Belgium										
Cyprus										
Denmark										
Finland										
France										
Germany										
Greece										
Iceland										
Ireland										

Source: Goulden Reports

10.2 Australasia

Table 58

Australasia – Country by Country Profiles

Country	Country Area (Sq.Km)	Population (Thousands) 2012	GDP (US\$ Millions) 2012	GDPper Capita (US\$) 2012	Load (GWh) 2010	Average Load (kWh/Capita) 2010	Installed Capacity MW 2010	Transmission cctkm 2010	Distribution cctkm 2010	Low Voltage cctkm 2010
Australia										
Fiji										
New Caledonia										
New Zealand										
Papua New Guinea										
Australasia										

Source: Goulden Reports

--ooOOoo--