

NO.	OK	COMPANY	ABBR.	COUNTRY	REMARKS
001	1	IMPSA	IMP	Argentina	
002	1	AEG-UNION	AEU	Austria	Ex AEG, now ANDRITZ HYDRO
003	1	ANDRITZ HYDRO	AHY	Austria	In business under this name since 2009
004	1	ELIN	ELI	Austria	Now ANDRITZ HYDRO
005	1	OESTERREICHISCHE BROWN-BOVERI-WERKE AG (OEBBW), VIENNA	OBB	Austria	Later ALSTOM
006	1	VA TECH HYDRO	VAT	Austria	Now ANDRITZ HYDRO
007	1	WIENER STARKSTROMWERKE (WSTW)	SIW	Austria	Ex SIEMENS, now ANDRITZ HYDRO
008	1	ACEC (ATELIERS DE CONSTRUCTION ELECTRIQUES DE CHARLEROI)	ACE	Belgium	Later ALSTOM
009	1	ANDRITZ HYDRO INEPAR	AHI	Brazil	Belongs to ANDRITZ HYDRO since June 2008
010	1	ANSALDO COEMSA	ANC	Brazil	
011	1	BROWN BOVERI & CO. BRASIL (BBCB)	BBB	Brazil	
012	1	COEMSA (PORTO ALLEGRE)	COE	Brazil	Founded by WESTINGHOUSE, later ANSALDO and ALSTOM
013	1	GENERAL ELECTRIC HYDRO INEPAR (GEHI)	GHI	Brazil	JV since 1998, belongs now to ANDRITZ HYDRO
014	1	GENERAL ELECTRIC BRASIL S.A. (GEBSA)	GEB	Brazil	
015	1	INDUSTRIA ELETRICA BROWN BOVERI S.A. (IEBB), SAO PAULO	IEB	Brazil	Later ABB and ALSTOM
016	1	INEPAR	INE	Brazil	
017	1	SADE VIGESA	SAV	Brazil	Now ANDRITZ HYDRO
018	1	SIEMENS LAPA (SAO PAULO)	SIL	Brazil	Now VOITH HYDRO
019	1	VILLARES	VIL	Brazil	Now ANDRITZ HYDRO
020	1	VOITH SIEMENS HYDRO (SAO PAULO)	VSS	Brazil	Now VOITH HYDRO
021	1	WEG MAQUINAS S.A. (JARAGUA DO SUL)	WEG	Brazil	Up to 20 MVA?
022	1	CANADIAN GENERAL ELECTRIC	CAG	Canada	Later GENERAL ELECTRIC CANADA, belongs now to ANDRITZ HYDRO
023	1	CANADIAN WESTINGHOUSE (HAMILTON)	CWE	Canada	Later Westinghouse Canada, now VOITH HYDRO
024	1	GENERAL ELECTRIC CANADA	CGE	Canada	Was CANADIAN GENERAL ELECTRIC
025	1	GENERAL ELECTRIC HYDRO	GEH	Canada	Belongs to ANDRITZ HYDRO since 2009
026	1	MARINE INDUSTRIES LTD.	MIL	Canada	Licensee of ALSTHOM ATLANTIQUE, later ALSTOM
027	1	MILTHOM	MOM	Canada	Established by MIL and THOMPSON ELECTRIC for coil manufacture under ALSTHOM ATLANTIQUE license, later ALSTOM
028	1	CHINA CHANG JIANG ENERGY CORP.	CJE	China	Based in Wuhan.
029	1	CHONGQING ELECTRIC MACHINERY FACTORY	CEM	China	
030	1	DONGFANG ELECTRIC MACHINERY CO., LTD. (DFEM)	DEM	China	Since January 2008. Formerly DONGFANG ELECTRICAL MACHINERY WORKS, founded in 1958
031	1	FUCHUNJIANG FUJI HYDROPOWER EQUIPMENT CO., LTD. (FFEC)	FFH	China	
032	1	FUJIAN JIUZHOU NANPING ELECTRICAL MACHINERY PLANT	FJN	China	
033	1	GENERAL ELECTRIC HYDRO ASIA	GEA	China	
034	1	GUANGDONG SHAOGUAN ZHONGLI GENERATING EQUIPMENT COMPANY	GSZ	China	
035	1	HANGZHOU ELECTRIC EQUIPMENT WORKS (HEEW)	HEE	China	Founded in 1956
036	1	HARBIN ELECTRIC MACHINERY CO., LTD. (HEC)	HEC	China	
037	1	HARBIN ELECTRIC MACHINERY WORKS (HEMW)	HEM	China	
038	1	HUNAN LINGLING HENGYUAN GENERATING EQUIPMENT COMPANY	HLG	China	
039	1	KUNMING ELECTRICAL MACHINERY CO., LTD. (KEM)	KEM	China	Founded in 1936, up to 100 MW?
040	1	KVAERNER HANGFA	KVH	China	JV KVAERNER/HANGZHOU, founded in 1995. 90% acquired by GE POWER February 2003, later named GE HYDRO ASIA, now ANDRITZ HYDRO
041	1	LANZHOU ELECTRIC MACHINERY WORKS (LEW)	LEW	China	Up to 65 MW
042	1	NANNING GENERATING EQUIPMENT GENERAL WORKS (NGEGW)	NGW	China	Founded in 1967, up to 100 MW
043	1	SHANGHAI ELECTRICAL MACH. MANUF. WORKS (SEMMW)	SEM	China	Up to 50 MW, hydro activities discontinued in about 1960
044	1	SHANGHAI HYDROPOWER EQUIPMENT COMPANY, LTD. (SHEC)	SHE	China	JV founded in 1994 between SHANGHAI ELECTRIC GROUP CORPORATION, SIEMENS and VOITH, now VOITH HYDRO
045	1	SICHUAN DONGFENG ELECTRIC MACHINERY WORKS CO., LTD. (SDEW)	SDE	China	Founded in 1965, up to 100 MW
046	1	TIANJIN ALSTOM HYDRO CO., LTD. (TAH)	TAH	China	JV ALSTOM/TIANJIN, founded in 1995
047	1	TIANJIN POWER EQUIPMENT MANUFACTURY (TPEM)	TPE	China	Under this name in operation until 1995
048	1	TIANJIN TIANFA HEAVY & HYDRO POWER EQUIPMENT MANUF. CO. LTD.	THE	China	
049	1	ZHEJIANG FUCHUNJIANG HYDROPOWER EQUIPMENT CO. LTD.	FHE	China	
050	1	ZHEJIANG JINHUA ELECTROMECHANICAL COMPANY, LTD.	ZJM	China	
051	1	ZHEJIANG LINHAI ELECTRIC MACHINERY CO., LTD.	ZLM	China	Up to 50 MW
052	1	KONCAR	KON	Croatia	Was RADE KONCAR until 1992
053	1	BRUSH SEM (PILSEN)	BEM	Czech Republic	Ex SKODA
054	1	SKODA	SKO	Czech Republic	
055	1	TEM VSETIN	TES	Czech Republic	
056	1	STROEMBERG	STR	Finland	
057	1	ALSTHOM	ALT	France	Amalgamation of SOCIETE <u>ALS</u> ACIENNE DE CONSTRUCTIONS MÉCANIQUES and <u>THOM</u> SON, later ALSTOM
058	1	ALSTHOM-ATLANTIQUE	ALA	France	

059	1	ALSTHOM-JEUMONT INDUSTRIE (A-J)	ALJ	France	JV between ALSTHOM and JEUMONT in the late 1980s, later ALSTOM
060	1	ALSTOM	ALS	France	Was ALSTHOM, then re-named ALSTOM. Later acquired by GENERAL ELECTRIC
061	1	BERNARD & BONNEFOND	BB	France	Founded in 1925, up to 20 MVA
062	1	CEM (COMPAGNIE ELECTRO-MÉCANIQUE), LE BOURGET	CLB	France	BBC owned until about 1985, later ALSTOM
063	1	CEM (COMPAGNIE ELECTRO-MÉCANIQUE), NANCY	CNA	France	BBC owned until about 1985, later ALSTOM
064	1	CLEMESSY	CLE	France	Up to 15 MW
065	1	CONVERTEAM	CON	France	Acquired ELECTRIC MACHINERY COMPANY, INC. in 2007. CONVERTEAM was taken over by GENERAL ELECTRIC ENERGY HYDRO in 2011
066		JEUMONT	JEU	France	JEUMONT left hydro market in the 1990s
067		JEUMONT-SCHNEIDER	JES	France	Later JEUMONT
068		LEROY-SOMER	LES	France	
069		SOCIETE ALSACIENNE DE CONSTRUCTIONS MÉCANIQUES	SAC	France	Became ALSTHOM after amalgamation with THOMSON
070		THOMSON	THO	France	Became ALSTHOM after amalgamation with SOCIETE ALSACIENNE DE CONSTRUCTIONS MÉCANIQUES
071	1	A VAN KAICK	AVK	Germany	Hydro activities discontinued in about 2008
072	1	AEG (ALLGEMEINE ELEKTRIZITÄTS-GESELLSCHAFT)	AEG	Germany	Later ALSTHOM, then acquired by SIEMENS, now VOITH HYDRO
073	1	AEG-TELEFUNKEN	AET	Germany	Name change in 1967 after amalgamation with Telefunken. Later ALSTHOM, then acquired by SIEMENS, now VOITH HYDRO
074	1	BBC (BROWN BOVERI & CIE. AG), MANNHEIM	BBG	Germany	Later ABB, then ALSTOM
075	1	BERGMANN ELEKTRIZITAETSWERKE	BEW	Germany	
076	1	GARBE LAHMEYER & CO.	GAL	Germany	
077	1	LLOYD DYNAMOWERKE (LDW)	LDW	Germany	
078	1	SCHORCH	SCH	Germany	
079	1	SIEMENS (BERLIN)	SIE	Germany	Now VOITH HYDRO
080	1	SIEMENS (MUELHEIM)	SIM	Germany	
081	1	VEM SACHSENWERK DRESDEN	VEM	Germany	
082	1	VOITH HYDRO	VHY	Germany	In business under this name since April 01, 2009
083	1	VOITH SIEMENS HYDRO	VSH	Germany	The Joint Venture VOITH SIEMENS HYDRO was founded in 2000, renamed to VOITH HYDRO in April 2009
084	1	WASSERKRAFT VOLK AG (WKV)	WKV	Germany	
085	1	A.E.I. (ASSOCIATED ELECTRICAL INDUSTRIES LTD.)	AEI	Great Britain	First G.E.C., later ALSTOM
086	1	BRITISH THOMSON-HOUSTON	BTH	Great Britain	First G.E.C., later ALSTOM
087		BRUSH ELECTRICAL MACHINES LTD. (LOUGHBOROUGH)	BRU	Great Britain	
088	1	ENGLISH ELECTRIC COMPANY	EE	Great Britain	First G.E.C., later ALSTOM
089	1	G.E.C. (GENERAL ELECTRIC COMPANY) RUGBY	GEC	Great Britain	Later ALSTOM
090	1	G.E.C. ALSTHOM (G-A)	GA	Great Britain	Later ALSTOM
091		LANCASHIRE DYNAMO & CRYPTO, LTD. (MANCHESTER)	LAN	Great Britain	Later ALSTOM
092	1	METROPOLITAN-VICKERS ELECTRICAL COMPANY (METROVICK or MV)	MV	Great Britain	Later ALSTOM. Trafford Park, Manchester
093	1	PARSONS PEEBLES MACHINES LTD.	PPM	Great Britain	
094		JUPITER HELLAS	JUP	Greece	
095		GANZ ANSALDO	GAA	Hungary	
096		GANZ ELECTRIC	GAN	Hungary	
097	1	BHARAT HEAVY ELECTRIC LIMITED (BHEL)	BHE	India	
098		FARAB	FAR	Iran	
099	1	ANSALDO	ANS	Italy	
100		BARDELLA	BAR	Italy	
101	1	CGE ASGEN	ASG	Italy	
102		CIE (CONSORCIO IMPREGILO ESTRUCO)	CIE	Italy	
103	1	GIE-ANSALDO (GRUPPO INDUSTRIE ELETTRIO)	GIE	Italy	
104	1	MARELLI SPA (ERCOLE MARELLI)	MAR	Italy	
105	1	TECNOMASIO ITALIANO BROWN BOVERI S.A. (TIBB), MILANO	TIB	Italy	
106	1	FUJI ELECTRIC	FUJ	Japan	FUJI ELECTRIC was established in 1923 as a JV between FURUKAWA ELECTRIC and SIEMENS. Hydro activities now belong to VOITH HYDRO
107	1	HITACHI	HIT	Japan	
108		MEIDENSHA CORPORATION	MEC	Japan	Up to 50 MW?
109		MITSUBELEC	MIB	Japan	Another name of MITSUBISHI ELECTRIC CORP. ???
110	1	MITSUBISHI ELECTRIC CORP.	MIT	Japan	
111	1	SHIBAURA ENGINEERING WORKS CO., LTD.	SEW	Japan	1875 TANAKA ENGINEERING WORKS, re-named SHIBAURA in 1904. In 1913: 6250 kVA hydro generator built
112	1	SHINKO ELECTRIC INDUSTRIES CO. LTD.	SHI	Japan	Some cooperation projects with ALLIS-CHALMERS and SIEMENS-ALLIS
113	1	TOKYO ELECTRIC COMPANY, LTD.	TOK	Japan	Established in 1890 and named TOKYO ELECTRIC COMPANY in 1899
114	1	TOKYO SHIBAURA ELECTRIC CO., LTD.	TSE	Japan	Since 1939
115	1	TOSHIBA CORPORATION	TOS	Japan	Merger in 1939 of TOKYO ELECTRIC COMPANY and SHIBAURA ENGINEERING WORKS CO., LTD., named TOKYO SHIBAURA ELECTRIC CO., LTD.
116	1	A/S NORSK ELEKTRISK & BROWN BOVERI (NEBB), OSLO	NEB	Norway	Later ALSTOM
117	1	EB POWER GENERATION	EBP	Norway	After formation of ABB, NEBB and NI merged into EB POWER GENERATION, later part of ALSTOM
118		ELEKTRISK BUREAU (EB)	EB	Norway	Majority share holder of NATIONAL INDUSTRI, later ALSTOM

119	1	NATIONAL INDUSTRI	NI	Norway	NI became EB NATIONAL INDUSTRI, later ALSTOM
120	1	DAEAN HEAVY MACHINERY FACTORY	DAE	North Korea	Up to 125 MW (hydro?)
121	1	DOLMEL	DOL	Poland	Later ABB DOLMEL, now DONAKO S.A.
122		ELEKTRIM	ELM	Poland	
123		SOREFAME	SOR	Portugal	ALSTOM licensee?
124	1	U.C.M. RESITA S.A.	RES	Romania	
125	1	ELEKTROSILA (ST. PETERSBURG)	ELE	Russia	St. Petersburg
126	1	ELSIB (NOVOSIBIRSK)	ESI	Russia	Former SIB ELECTRO TYAZHMASH
127	1	POWER MACHINES GROUP	PMG	Russia	
128	1	SIB ELECTRO TYAZHMASH (NOVOSIBIRSK)	SIB	Russia	
129	1	URALELECTROTYAZHMASH	UTY	Russia	
130		KOREA HEAVY INDUSTRIES & CONSTRUCTION CO., LTD. (KHIC)	KHI	South Korea	Licensee of ALSTOM
131	1	HYUNDAI IDEAL ELECTRIC CO.	HYU	South Korea	April 2007: Hyundai acquired Ideal Electric Company
132		ABB ESPANA	ABE	Spain	Was CADEMESA. In 1990, CONELEC and CENEMESA were absorbed by ABB
133	1	ALCONZA BERANGO S.L.	ALC	Spain	Up to 15 MVA
134		ALSTHOM-GENERAL ELECTRIC, GALINDO (BILBAO)	AGE	Spain	Later CONELEC, now ALSTOM
135		ALSTOM POWER (GALINDO)	AMP	Spain	Since 2002
136	1	BROWN BOVERI DE ESPANA S.A., SABADELL (BARCELONA)	BBE	Spain	Later CADEMESA, then ALSTOM
137	1	CADEMESA (CATALANA DE MAQUINARIA ELECTRICA, S.A., MADRID)	CAD	Spain	Originally named BBC de Espana
138		CENEMESA	CEN	Spain	Originally named WESA (Westinghouse SA), in 1990 absorbed by CADEMESA
139		CONELEC (CONSTRUCCIONES ELECTROMECHANICA), GALINDO (BILBAO)	CEL	Spain	Originally named ALSTHOM-GENERAL ELECTRIC, in 1990 absorbed by CADEMESA
140		GEATHOM	GAT	Spain	GE + SOC. ALSACIENNE + THOMSON-HOUSTON, later CONELEC, then ALSTOM
141		GENERAL ELECTRIC ESPANA (GEE)	GEE	Spain	Later CONELEC, then ALSTOM
142	1	INDAR	IND	Spain	Up to 40 MVA
143	1	SIEMENS CORNELLA (BARCELONA)	SIC	Spain	Now VOITH HYDRO
144	1	WESA (WESTINGHOUSE S.A.), ERANDIO (BILBAO)	WSA	Spain	Later CENEMESA, then ALSTOM
145	1	ASEA	ASE	Sweden	Later ABB and then ALSTOM. ALSTOM acquired by GENERAL ELECTRIC, now GENERAL ELECTRIC VERNOVA
146		GENERATOR AB	GAB	Sweden	
147	1	VG POWER AB (VAESTERAS)	VGP	Sweden	Founded in October 2002, in October 2006 VOITH HYDRO acquired the majority of VG POWER
148	1	ABB	ABB	Switzerland	Hydro activities acquired by ALSTOM
149		ALIOTH & CIE. (SOCIETE D'ELECTRICITE ALIOTH)	ALI	Switzerland	1910 BBC
150	1	BBC (BROWN BOVERI & CO., LTD.), BADEN	BBC	Switzerland	Later ABB and ALSTOM
151	1	OERLIKON ENGINEERING COMPANY (ZURICH)	MFO	Switzerland	Since 1967 BBC, later ABB and ALSTOM
152	1	SOCIETE ANONYME ATELIERS DE SECHERON (GENEVA)	SEC	Switzerland	Since 1969 BBC, later ABB and ALSTOM
153	1	TEMSAN S.A. (TURKISH ELECTROMECHANICS IND. CORP.)	TEM	Turkey	
154	1	ELECTROTYAZHMASH (KHARKOV)	ETY	Ukraine	
155	1	ALLIS-CHALMERS	A-C	USA	Now VOITH HYDRO
156		BULLOCK ELECTRIC & MANUFACTURING COMPANY	BUL	USA	Later ALLIS-CHALMERS. May not have built hydro before the takeover through A-C (1904)
157	1	ELECTRIC MACHINERY COMPANY, INC.	EMC	USA	Now CONVERTEAM (France)
158		ELLIOTT TURBOMACHINERY CO., INC. (EBARA GROUP)	ELT	USA	
159	1	GENERAL ELECTRIC VERNOVA	GEV	USA	GENERAL ELECTRIC spinoff since 2023
160	1	GENERAL ELECTRIC	GE	USA	Acquired ALSTOM, since 2023 GENERAL ELECTRIC VERNOVA
161	1	GENERAL ELECTRIC RENEWABLE ENERGY	GER	USA	GENERAL ELECTRIC took over the hydropower business of ALSTOM in November 2015
162	1	IDEAL ELECTRIC COMPANY	IDE	USA	Went bankrupt, were purchased by HYUNDAI (South Korea)
163	1	RELIANCE ELECTRIC	REL	USA	
164	1	SIEMENS-ALLIS	SIA	USA	
165	1	WESTINGHOUSE ELECTRIC CORPORATOPN (EAST PITTSBURGH)	WE	USA	Now VOITH HYDRO
166	1	RADE KONCAR	RAK	Yugoslavia	Until 1992, now KONCAR (Croatia)
	129	A "1" IN THE OK COLUMN MEANS THAT THE RESPECTIVE COMPANY HAS DEFINITELY MANUFACTURED HYDRO GENERATORS OF 5 MVA AND ABOVE IN ITS HISTORY.			
		STATUS: August 31, 2025			