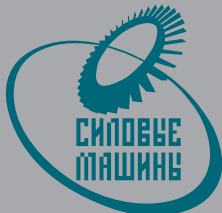


STEAM BOILERS

EMPOWERING YOUR BUSINESS



PRODUCTS



TKZ Krasny Kotelshchik has manufactured and supplied:

- 1 boiler of steam capacity 3950 t/h for 1200 MW unit;
- 26 boilers of steam capacity 2650 t/h for 800 MW units of total output 20 800 MW;
- 161 boilers of steam capacity 640 to 1000 t/h for 200-300 MW units.

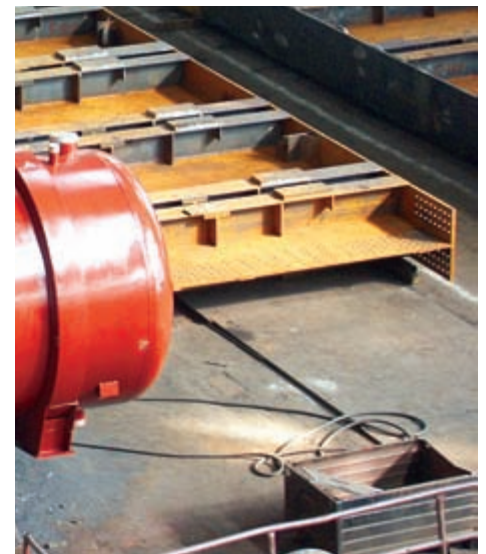
Supercritical once-through boilers for 300 MW and 800 MW units

Boiler type	Steam capacity, t/h, steam conditions: P, MPa; t, °C	Fuel type	Year of manufacture of the first boiler
Once-through single-furnace boiler ТГМП-1202	3950 25; 545/545	Fuel oil, gas	1978
Boiler ТПЕ-318/CO	1000 17.5; 543/543	Anthracite stub	2004
Once-through two-furnace boiler ТПП-200, ТПП-200-I	2650 25; 570/570	Anthracite stub and lean coal	1964 1968
Once-through single-furnace boiler ТГМП-324, 344, 354, ТПП-315, 316, 317, 344, 354	1000 25; 545/545	Fuel oil, gas (324, 344, 354), solid fuel (315, 316)	1973, 1975, 1993, 1992, 1990
Once-through two-furnace boiler ТПП-110, ТПП-210, ТПП-210 A, ТГМП-114	1000 25; 545/545	Coal(110, 210, 210A), fuel oil, gas (114)	1961, 1964, 1967, 1967
Once-through single-furnace boiler ТПП-312, ТГМП-314	1000 25; 545/545	Coal (312), fuel oil, gas (314)	1969, 1973
Once-through single-furnace boiler ТГМП-204, ТПП-804, ТПП-805, ТГМП-806, ТПП-807	2650 25; 545/545	Gas, fuel oil (204, 805, 806), solid fuel (804, 807)	1774, 1984, 1991, 1988, 1997



Natural circulation drum-type boilers for 50, 150, 200 and 300 MW units

Boiler type	Steam capacity, t/h, steam conditions: P, MPa; t, °C	Fuel type	Year of manufacture of the first boiler
Drum boiler ТГМЕ-190, drum boiler ТГПЕ-170 with melted slag	160; 3.9/440 170; 9.8/510	Gas, fuel oil, anthracite stub	1998
Drum boiler ТП-170, ТП-230	170-230; 9.8/510	Coal, peat, shale, fuel oil, natural and blast-furnace gas	1950
Drum single-furnace boiler ТГЕ-130	220; 3.2/425	Blast-furnace, coke oven gas and their mixture	2004
Drum boiler ТГМ-161 М	220; 9.8/540	Gas, fuel oil	2001
Drum boiler with reheater ТП-51	240; 17; 585/540	Brown coal from near Moscow	1953
Drum boiler ТПЕ-429, ТПЕ-430	400; 13.8/560	Solid fuel	1981, 1980
Drum boiler ТП-81, ТП-87, ТГМ-84 ТП-87 М	420; 13.8/570 420; 13.8/560	Solid fuel (81, 87), gas, fuel oil (84)	1964, 1962, 1959, 1965
Drum single furnace boiler ТГЕ-435/ ПГУ	500; 140/560	Gas, GT exhaust gas	2000
Drum boiler ТПЕ-90, ТПЕ-92, ТГМ-96 ТГМ-94	500; 13.8/ 570 500; 13.8/570/570	Coal (90, 92), gas, fuel oil (96, 94)	1958, 1961, 1975, 1964
Drum boiler ТГМЕ-428, ТГМЕ-464, ТГМЕ-436	500; 13.8/560	Gas, fuel oil	1981, 1975 2000
Drum single-furnace boiler with reheater ТГМЕ-223/BO	660; 13.8; 541/541	Gas, fuel oil, petroleum	2001
Drum single-furnace boiler with reheater ТГМЕ-206, ТПЕ-214, ТПЕ-215, ТПЕ-216	670; 13.8; 545/545	Gas, fuel oil (206), solid fuel (214, 215, 216)	1975, 1979 1981, 1989
Drum single-furnace boiler with reheater ТПЕ-318/CO	920; 17.6; 543/543	Anthracite stub	2004
Drum single-furnace boiler with reheater ТГМЕ-206, ТПЕ-214, ТПЕ-215, ТПЕ-216	670; 13.8; 545/545	Gas, fuel oil (206), solid fuel (214, 215, 216)	1975, 1979 1981, 1989
Drum single-furnace boiler with reheater ТПЕ-318/CO	920; 17.6; 543/543	Anthracite stub	2004



REFERENCE LIST INCLUDING BIG PROJECTS UNDER WAY

Boilers of steam capacity up to 500 t/h supplied to Russia and CIS

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Russia					
Paper Mill, Naberezhnie Chelny	1-2	160	Gas, fuel oil	ТГМЕ-187	1983-1984
Plant ZIP code A 7331, Kirovo-Chepetsk	1-4	160	Gas, fuel oil	ТГМЕ-187	1983-1986
Severny Promuzel, Gudermes	1	160	Gas, fuel oil	ТГМЕ-187БСЗ	1986
Izhevskaya TPP-1	6	160	Gas	ТГМЕ-190	1998
Sogrinskaya TPP	4-6	160	Black coal	ТПЕ-185	1984
Zapadny Promuzel, Amurk	1	160	Black coal	ТПЕ-185А	1986
Severny Promuzel TPP, Tomsk Томск	1-2	160	Brown coal	ТПЕ-186	1985-1987
Nesvetay GRES	13	170	Coal	ТГРЕ-170	1998
Mosenergo TPP-28	2	220	Natural gas	ТГЕ-129	1996
ОАО Mechel TPP, Chelyabinsk	1	220	Natural, blast-furnace, coke oven gas and their mixture	ТГЕ-130	2003
Norilsk TPP-1	1	300	Gas, diesel oil	ТП-13М	2001
Uralvagonozavod TPP	8	220	Gas, fuel oil	ТГМ-151Б	1976
Novolipetsky Metallurgical Works	13	220	Natural, blast-furnace, coke oven gas	ТГМ-159С	1987
Barabinskaya TPP	7	400	Kuznetsky black coal	ТПЕ-429А	1985
Kazanskaya TPP-3	6-7	400	Kuznetsky black coal, natural gas	ТПЕ-429	1981-1983
Kirovskaya TPP-5	2-5	400	Kuznetsky coal, natural gas	ТПЕ-429	1983-1987
Ulianovskaya TPP-2	1-7	400	Kuznetsky coal, natural gas	ТПЕ-429	1984-1994
TPP ZIP code M-5057	1-2	400	Kuznetsky black coal, natural gas	ТПЕ-429	1987-1989
Sumgaitskaya TPP-1	11-14	420	Gas, fuel oil	ТГМ-84	1959-1982
Irkutskaya TPP-11	7-9	420	Brown, raw coal, siftings Бурый, рядовой, отсеб	ТП-81	1966-1980
TPP at thynthetic rubber plant, city of Chaykovsky	1-4	420	Kuznetsky black coal, natural gas	ТП-81	1976-1981
Novo-Kemerovskaya TPP	7-9	420	Kemerovsky black coal	ТП-80	1961-1964
TPP at Magnitogorsk Metallurgical Works	1	450-500	Gas	ТП-85М	2003
Kemerovskaya GRES	11-16	420	Middings of black coal	ТП-87-1; ТП-87М	1969-1998; 2000
Lenenergo TPP-20	1-4	420	Kuznetsky black coal	ТП-87-1	1983
Novo-Kemerovskaya TPP	10-16	420	Black coal «СС»	ТП-87-1	1966-1989
Ivanovskaya TPP-3	1-5	420	Kuznetsky black coal, natural gas	ТП-87-1	1974-1990
Izhevskaya TPP-2	1-4	420	Lean coal "Т", natural gas	ТП-87-1	1975-1981
Kemerovskaya TPP	8-11	420	Coal	ТП-38	1965-1968
Mosenergo TPP-9 (TPP-8)	10-16	480	Gas, fuel oil	ТГМ-96	1971-1985
Lenenergo Severnaya TPP	1-5	480	Gas, fuel oil	ТГМ-96/Б	1974-1981
Severodvinskaya TPP-2	1-4	500	Fuel oil	ТГМЕ-464	1975-1987
Tumenskaya TPP-1	1	500	Gas	ТГЕ-435/ПГУ	2000
Syktyvkarsky Paper Plant LPK	7	500	Gas, fuel oil	ТГМЕ-428	1986
Volgogradskaya TPP-3	5-6	500	Gas, fuel oil	ТГМЕ-428	1981-1982
Tobolskaya TPP	1-9	500	Gas, fuel oil	ТГМЕ-428	1981-1988
Novo-Gorkovskaya TPP	8-9	500	Fuel oil, gas	ТГМЕ-428	1984-1994
Syzranskaya TPP	14	500	Fuel oil, gas	ТГМЕ-428/А	1992
Smolenskaya TPP-2	6	500	Gas, fuel oil	ТГМЕ-428/А	1993
TPP at Chardzhou Refinery	2-3	500	Gas, fuel oil	ТГМЕ-428/ АС	1991-1992
Sumgaitskaya TPP-2	6	500	Gas, fuel oil	ТГМЕ-428/ АСО	1991
Novo-Gorkovskaya TPP	10	500	Fuel oil, gas	ТГМЕ-428/А	1984-1995

REFERENCE LIST INCLUDING BIG PROJECTS UNDER WAY

Boilers of steam capacity up to 500 t/h supplied to Russia and CIS

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Mosenergo TPP-11	10	500	Gas, fuel oil	ТГМЕ-436	2000
Orlovskaya TPP	9-11	500	Gas, fuel oil	ТГМЕ-454	1976-1989
TPP at Kamsky Car Plant	11-14	500	Gas, fuel oil	ТГМЕ-464	1982-1985
Smolenskaya TPP-2	5	500	Gas, fuel oil	ТГМЕ-464	1981
Saranskaya TPP-2	7-9	500	Gas, fuel oil	ТГМЕ-464	1978-1999
Penzenskaya TPP-1	10-11	500	Gas, fuel oil	ТГМЕ-464	1975-1980
Norilskaya TPP-3	1-4	500	Gas, fuel oil	ТГМЕ-464	1977-1984
Cheboksarskaya TPP-2	1-6	500	Gas, fuel oil	ТГМЕ-464	1977-1994
Nizhnekamskaya TPP-2	1-9	500	Gas, fuel oil	ТГМЕ-464	1978-1985
Saratovskaya TPP-5	2-4	500	Gas, fuel oil	ТГМЕ-464	1979-1988
Novocheboksarskaya TPP-3	5-8	500	Gas, fuel oil	ТГМЕ-464	1979-1992
Norilskaya TPP-2	9-10	500	Gas, fuel oil	ТГМЕ-464	1981-1984
TPP at Volzhsky Car Plant VAZ	10-14	500	Gas, fuel oil	ТГМЕ-464	1981-1990
Lipetskenergo TPP-2	4-6	500	Fuel oil	ТГМЕ-464	1981-1990
Sakmarskaya TPP	4-5	500	Gas, fuel oil	ТГМЕ-464	1983-1986
TPP at Mubaretsky Gas Processing Plant	1-3	500	Gas	ТГМЕ-464	1983-1990
Astrakhanskaya TPP-2	3-4	500	Gas, fuel oil	ТГМЕ-464	1986-1990
Ulyanovskaya TPP-1	13-14	500	Gas, fuel oil	ТГМЕ-464	1987-1990
Mosenergo Severnaya TPP-27	1-2	500	Gas, fuel oil	ТГМЕ-464	1994-1996
TPP at Chardzhou Refinery	1	500	Fuel oil	ТГМЕ-464/C	1983
TPP at Chimkent Refinery	1-3	500	Gas, fuel oil	ТГМЕ-464/ CO	1978-1980
Syzranskaya TPP	12, 13	500	Fuel oil	ТГМЕ-464A	1984-1988
Mosenergo TPP-20 (modernisation)	8,9	500	Gas, fuel oil	ТП-87	1996, 2001
TPP EVS-2 at Cherepovetsky Metallurgical Works	1-2	500	Middings of Vorkutinsky black coal, natural, coke oven, blast-furnace gas	ТПГЕ-431	1983-1984
Novosibirskaya TPP-3	15	500	Black coal	ТПЕ-427	1981
Kazanskaya TPP-3	5	500	Kuznetsky black coal, natural gas	ТПЕ-430	1980
Kirovskaya TPP-5	1	500	Kuznetsky coal, natural gas	ТПЕ-430	1982
Astrahanskaya TPP-2	1,2	500	Donetsky coal "GSSh", natural gas	ТПЕ-430	1984-1985
Ust-Kamenogorskaya TPP	15	500	Kuznetsky black coal	ТПЕ-430/A	1986
Biyskaya TPP-1	14, 15	500	Kuznetsky black coal	ТПЕ-430/A	1984-1988
TPP, Ioshkar-Ola	1,2	500	Kuznetsky black coal, natural gas	ТПЕ-430/A	1986-1995
Vladimirska TPP	10, 11	500	Kuznetsky black coal, natural gas	ТПЕ-430A	1990-1991
TPP, Sovetskaya Gavan	1-3	210	Black coal	ТПЕ-131	2012
Ukraine					
TPP at Lisichansky Refinery	4	160	Gas, fuel oil	ТГМЕ-187A	1987
Azovstal Metallurgical Works	6	220	Natural, coke oven and blast-furnace gas	ТГМ-159/C	1980
Makeevsky Metallurgical Works	7, 8	220	Natural, coke oven and blast-furnace gas	ТГМ-159/C	1987
Dneprovsky Metallurgical Works	10, 11	220	Fuel oil, natural, coke oven and blast-furnace gas	ТГМ-159/C	1979-1986
Kharkovskaya TPP-5	1, 2	500	Gas, fuel oil	ТГМЕ-464	1978-1980
Uzbekistan					
Angrensky Works «Rezinotekhnika»	1, 2	160	Brown coal	ТПЕ-186C3	1983, 1986

REFERENCE LIST INCLUDING BIG PROJECTS UNDER WAY

Boilers of steam capacity up to 500 t/h supplied to Russia and CIS

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Kirgizstan					
Semiconductor Plant, Tash-Kumyr	1	160	Black coal	ТПЕ-185АС3	1987
Moldova					
Kishinevskaya TPP-2	1-3	480	Gas, fuel oil	ТГМ-96/Б	1976-1980
Byelorussia					
Berezovskaya GRES	3-5	270	Gas, fuel oil	ПК-38Р (6 pcs)	2002-2008
Bobruyskaya TPP-1	-	30	Milled peat, hydrolytic lignin and wood	Е-30-3,9-510 ТФТ	2006
Zhodinskaya TPP	-	60	Wood, milled peat and natural gas	Е-60-9,5-510 ДФТ	2008
Armenia					
Razdanskaya TPP	5	550	Gas	ТГП-344АС/ПГУ	2009-2010

Boilers supplied for 200 MW units in Russia and CIS

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Russia					
Surgutskaya GRES	1-16	640; 670	Gas	ТГ-104	1972-1982
Shaturskaya GRES	4-5	640	Gas, fuel oil	ТГМ-104/А	1977-1978
Shaturskaya GRES	1-3	640	Peat	ТП-108	1968-1971
Pecherskaya GRES	1-6	670	Gas, fuel oil	ТГМЕ-206	1978-1991
Krasnovodskaya TPP-2	11-12	670	Gas, fuel oil	ТГМЕ-206/СО	1980-1984
Tumenskaya TPP-2	1-5	670	Gas, fuel oil	ТГМЕ-206	1985-1989
Lenenergo TPP-5	1	670	Gas, fuel oil	ТГМЕ-206/П	1991
Cherepovetskaya GRES	1-3	670	Peat	ТПЕ-208	1976-1978
Smolenskaya GRES	1-3	670	Peat	ТПЕ-208	1977-1982
Pskovskaya GRES	1,2	670	Peat	ТПЕ-208	1989, 1991
Nerungrinskaya GRES	1-3	670	Black coal	ТПЕ-214/СЗЛХ	1982-1984
Novosibirskaya TPP-5	1-6	670	Black coal	ТПЕ-214	1982-1991
Khabarovskaya TPP-3	1-3	670	Black coal	ТПЕ-215	1983-1986
Krasnoyarskaya TPP-3	1	670	Brown coal	ТПЕ-216	1987
Komsomolskaya TPP-3	1-2	670	Black coal	ТПЕ-215	1984-1987
Gusinoozerskaya GRES	1-2	670	Black coal	ТПЕ-215	1986-1988
Kharanorskaya GRES	1-2	670	Brown coal	ТПЕ-216	1987
Cherepetskaya GRES	8-9	630 Nel.=225 MW	Black coal	ТПЕ-223	2010-2012
Armenia					
Razdanskaya TPP	1-4	640	Gas, fuel oil	ТГМ-104	1969-1973
Byelorussia					
Gomelskaya TPP-2	1-3	670	Gas, fuel oil	ТГМЕ-206	1984-1991

REFERENCE LIST INCLUDING BIG PROJECTS UNDER WAY

Boilers supplied for 200 MW units in Russia and CIS

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Kazakhstan					
Jambulskaya GRES	4-6	670	Gas, fuel oil	ТГМЕ-206/С	1975-1976
Jambulskaya TPP, Aktau	1-3	670	Gas, fuel oil	ТГМЕ-206	1981-1987
Moldova					
Moldavskaya GRES	4-8	640	Black coal	ТП-100	1964-1969
Moldavskaya GRES	9-10	640	Gas, fuel oil	ТГМ-104	1972-1973
Moldavskaya GRES	11-12	670	Fuel oil	ТМЕ-213	1978-1979
Uzbekistan					
Takhiatashskaya GRES	12, 13	670	Gas, fuel oil	ТГМЕ-206/BCO	1986-1989
Novoiyskaya GRES	11, 12	670	Gas, fuel oil	ТГМЕ-206/CO	1978, 1979
Ukraine					
Zmievsckaya TPP	1-6	640	Anthracite	ТП-100	1960-1964
Luganskaya TPP	15-22	640	Anthracite	ТП-100	1960-1968
Storobeshevskaya TPP	7-16	640	Anthracite	ТП-100	1960-1966
Burshtinskaya TPP	1-12	640	Black coal	ТП-100	1964-1969
Kurakhovskaya TPP	1-7	640	Black coal	ТП-109	1970-1974
Dobrotvorskaya TPP	9	670	Black coal	ТПЕ-214	1991
Turkmenistan					
Mariyskaya GRES	1-3	640	Gas	ТГМ-104	1969-1974
Mariyskaya GRES	4-6	670	Gas	ТГМ-104	1977-1980
Mariyskaya GRES	7-8	670	Gas	ТГМ-206/BCO	1985-1986

Boilers supplied for 225 MW units in Russia

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Russia					
Kharanorskaya GRES	3	630 Nel.=225 MW	Brown coal	ТПЕ-216 М	2008

Supercritical boilers supplied for 300 MW units in Russia and CIS

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Russia					
Cherepetskaya GRES	9-10	1000	Anthracite	ТПП-110	1962-1963
NovoCherkasskaya GRES	1-2	1000	Anthracite	ТПП-110	1962-1963
NovoCherkasskaya GRES	3-4	1000	Anthracite	ТПП-210	1965-1966
NovoCherkasskaya GRES	5-8	1000	Anthracite	ТПП-210А	1967-1971
Mosenergo TPP -22	9-11	1000	Lean coal	ТПП-210А	1969-1972
Kostromskaya GRES	1-4	1000	Fuel oil, gas	ТГМП-114	1967-1969
Kostromskaya GRES	5-8	1000	Fuel oil, gas	ТГМП-314	1970-1972

REFERENCE LIST INCLUDING BIG PROJECTS UNDER WAY

Supercritical boilers supplied for 300 MW units in Russia and CIS

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Sredneuralskaya GRES	12-14	1000	Fuel oil, gas	ТГМП-114	1968-1970
Kirishskaya GRES	4-6	1000	Fuel oil, gas	ТГМП-114	1969-1970
Irikliinskaya GRES	3-4	1000	Fuel oil, gas	ТГМП-114	1971-1972
Irikliinskaya GRES	5-8	1000	Fuel oil, gas	ТГМП-314	1972-1973
Kashirskaya GRES	4-6	1000	Fuel oil, gas	ТГМП-314	1973-1975
Stavropolskaya GRES	1-8	1000	Fuel oil, gas	ТГМП-314	1973-1983
Mosenergo TPP-21	8-9	1000	Fuel oil, gas	ТГМП-314Ц	1973-1974
Mosenergo TPP-23	5-8	1000	Fuel oil, gas	ТГМП-314Ц	1974-1981
Mosenergo TPP-25	3,4	1000	Fuel oil, gas	ТГМП-314Ц	1978-1979
Mosenergo TPP-25	5	1000	Fuel oil, gas	ТГМП-314П	1980
Mosenergo Yuzhnaya TPP	3-5	1000	Fuel oil, gas	ТГМП-314П	1982-1984
Kirishskaya GRES	7	1000	Fuel oil, gas	ТГМП-324	1971
Kirishskaya GRES	8-9	1000	Fuel oil, gas	ТГМП-324А	1972-1973
Lenenergo Yuzhnaya TPP	1-3	1000	Fuel oil, gas	ТГМП-344А	1979-1987
Mosenergo Yuzhnaya TPP	6-7	1000	Fuel oil, gas	ТГМП-344А	1986-1988
Mosenergo TPP-25	6-7	1000	Fuel oil, gas	ТГМП-344А	1989-1990
Azerbaijan					
Azerbaijanskaya TPP	1-10	1000	Gas, fuel oil	ТГМП-344АС	1980-1990
Armenia					
Razdanskaya TPP	10-11	1000	Gas	ТГМП-344АС	1990-1991
Belarus					
Lukomskaya GRES	1-4	1000	Fuel oil, gas	ТГМП-114	1968-1970
Lukomskaya GRES	5-8	1000	Fuel oil, gas	ТГМП-314	1971-1973
Minskaya TPP-4	4-6	1000	Fuel oil, gas	ТГМП-344А	1983-1991
Georgia					
Tbilisskaya TPP	9-11	1000	Fuel oil, gas	ТГМП-344А	1988-1991
Uzbekistan					
Syr-Darya TPP	1-10	1000	Fuel oil, gas	ТГМП-114	1969-1979
Ukraine					
Pridneprovskaya TPP	17-18	1000	Anthracite	ТПП-110	1962-1963
Pridneprovskaya TPP	19-20	1000	Anthracite	ТПП-210	1964-1965
Zmievska TPP	7-8	1000	Lean coal	ТПП-210	1965-1966
Zmievska TPP	9-10	1000	Lean coal	ТПП-210А	1967-1968
Tripolskaya TPP	1-4	1000	Lean coal	ТПП-210А	1967-1969
Krivorozhskaya TPP	5-10	1000	Lean coal	ТПП-210А	1967-1971
Ladyzhinskaya TPP	1-6	1000	Coal	ТПП-312	1970-1971
Uglegorskaya TPP	1-4	1000	Coal	ТПП-312А	1970-1973
Zaporozhskaya TPP	1-4	1000	Coal	ТПП-312А	1971-1972
Zuevskaya TPP	1-4	1000	Coal	ТПП-312А	1978-1987
Tripolskaya TPP	5-6	1000	Fuel oil, gas	ТГМП-314	1970-1971
Kievskaya TPP-5	3-4	1000	Fuel oil, gas	ТГМП-314	1973-1976
Kievskaya TPP-6	1-3	1000	Fuel oil, gas	ТГМП-344А	1979-1991
Kharkovskaya TPP-5	3	1000	Fuel oil, gas	ТГМП-344А	1988

REFERENCE LIST INCLUDING BIG PROJECTS UNDER WAY

Supercritical boilers supplied for 800 MW units in Russia and CIS

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Russia					
Ryazanskaya GRES	5,6	2650	Fuel oil	ТГМП-204	1978-1981
Surgutskaya GRES-2	1-6	2650	Gas	ТГМП-204ХЛ	1983-1987
Nizhneartovskaya GRES	1-2	2650	Gas	ТГМП-204ХЛ	1988-1989
Surgutskaya GRES-2	7	2650	Gas	ТГМП-806ХЛ	1988
Permskaya GRES	1-4	2650	Gas, coal	ТПП-804	1983-1991
Uzbekistan					
Talimarjanskaya GRES	1	2650	Gas	ТГМП-805С3	1990
Ukraine					
Slavyanskaya TPP	12	2500	Anthracite	ТПП-200	1964
Slavyanskaya TPP	13	2500	Gas	ТПП-200-1	1968
Zaporozhskaya TPP	5-7	2650	Gas, fuel oil	ТГМП-204	1973-1975
Uglegorskaya TPP	5-7	2650	Gas, fuel oil	ТГМП-204	1974-1976

Supercritical boilers supplied for 1200 MW units in Russia

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Russia					
Kostromskaya GRES	9	3950	Gas, fuel oil	ТГМП-1202	1978

Boilers of steam capacity up to 500 t/h supplied for export

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Albania					
8 Boilers of Type TC-21 and ТП-35 firing bituminous coal, with a capacity of 12–35 t/h were supplied from 1950 to 1952					
Algeria					
TPS Annaba-III					
Bangladesh					
Chorasal TPS	1,2	220	Gas, fuel oil	ТГМ-157	1967, 1968
Bulgaria					
Sophia CHPS	1-6	170	Coal	ТП-21	1954-1956
Chervenkova CHPS	1-3	170	Coal	ТП-21	1950, 1953
Vidin TPS	1-3	220	Coal	ТП-47	1967
Swishtov TPS	1-4	220	Coal	ТП-47	1967
Sophia SHPS	7-8	220	Gas, fuel oil	ТГМ-151/B	1962-1963
Pleven TPS	1-3	220	Coal	ТГМ-151	1967
10 Boilers of Type TC-16, TC-30 and ТП-20/30 firing coal, with a capacity of 16–30 t/h were supplied from 1946 to 1953					
Hungary					
Pechujhed TPS	1,2	220	Coal	ТП-13Б	1963, 1964
Dunamenti TPS	1-3	500	Gas, fuel oil	ТГМ-94	1964-1966
Vietnam					
9 Boilers of Type TC-20 firing coal, with a capacity of 20 t/h were supplied in 1956					

REFERENCE LIST INCLUDING BIG PROJECTS UNDER WAY

Boilers of steam capacity up to 500 t/h supplied for export

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Germany					
Rugenberger Damm TPP	1,2	72	Waste		1997
Egypt					
Suez TPP	1-4	220	Coal	ТП-154	1962, 1963
India					
Bhilai Steel Plant	1-5	150	Coal	ТП-38,ТП-150-2	1956-1964
Neyveli TPP	1-5	220	Coal	ТП-152	1960-1965
Neyveli TPP	6-12	220	Coal	ТП-152/A	1966-1967
Patratu TPP	1-8	220	Coal	ТП-155	1962-1965
Obra TPP	1-5	220	Coal	ТП-155	1964-1965
Obra TPP (modernisation)	1-5	220	Coal	ТП-155	2004-2005
Uttar Pradesh TPP	1-2	220	Coal	ТП-155	1964-1965
Korba TPP	1-4	220	Coal	ТП-155	1962-1964
Harduaganj TPP	1-2	220	Coal	ТП-155	1964-1965
Bokaro Steel Plant	1-5	220	Middings	ТП-156	1967-1974
Iraq					
Najibia TPP	4-7	220	Fuel oil, gas	ТГМ-161	1973-1975
Najibia TPP (modernisation)	1-4	220	Fuel oil, gas	ТГМ-161М	2001
Iran					
Ariamehr TPP	5	220	Gas	ТГМ-162	1974
Ariamehr TPP	6-7	220	Gas	ТГ-162/CO	1975-1976
China					
Project 789, Phuazrazi	7-8	220	Coal	ТП-15	1959
Project 789, Phuazrazi	1-6	230	Coal	ТП-41	1954-1962
99 boilers ТП-12/39, ТП-13 А, ТП-15, ТП-21, ТП-35, ТП-41, ТП-130 and TC-30, TC-35-2 of steam capacity 12 to 230 t/h were supplied in China from 1951 to 1959.					
Cuba					
Mariel TPP	1-4	220	Gas, fuel oil	ТГМ-151/A	1962-1964
Latvia					
Riga TPP-2	1-4	480	Fuel oil, gas	ТГМ-96B	1975, 1977, 1979
Lithuania					
Lithuania TPP	1-4	500	Gas, fuel oil	ТГМ-94	1962-1964
Ma eikiai TPP	1-4	500	Gas, fuel oil	ТГМЕ-464	1977-1982
Mongolia					
2 coal boilers TC-35 of steam capacity 35 t/h were supplied in 1952.					
Morocco					
Jerada TPP	1-3	220	Coal	ТП-158/CO	1969, 1971
Nigeria					
Ajaokuta TPP	1-3	220	Gas, fuel oil	ТГМ-159	1981
Pakistan					
TPP at Pak Steel Metal Works, Karachi	1-4	220	Gas	ТГЕ-159/CO	1976-1991
Poland					
12 coal boilers ТП-15 and ТП-21 of steam capacity 170 to 230 t/h were supplied to Poland from 1952 to 1956.					
Romania					
Borzesti TPP	1 pc	170	Coal	ТП-21	1953
Borzesti TPP	2 pcs	230	Coal	ТП-36	1953
Borzesti TPP	3 pcs	420	Gas, fuel oil	ТГМ-84	1960, 1965
Galati TPP	1-8	420	Gas, fuel oil	ТГМ-89/AC	1966-1981

REFERENCE LIST INCLUDING BIG PROJECTS UNDER WAY

Boilers of steam capacity up to 500 t/h supplied for export

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Brazi TPP	5, 6	420	Gas, fuel oil	ТГМ-84Б	1971-1972
Ploiesti TPP	1-4	420	Gas, fuel oil	ТГМ-84Б	1959-1963
Bucharest-South TPP	1-4	420	Gas, fuel oil	ТГМ-84	1964-1966
Grozavesti TPP	1	420	Gas, fuel oil	ТГМ-84	1962
6 boilers ТГ-130, ТП-21 and ТП-35 running on natural gas and coal with steam capacity 35 to 170 t/h were supplied from 1953 to 1955.					
Turkey					
Iskenderun TPP	1-6	220	Gas, fuel oil	ТГМ-159	1971-1980
Estonia					
Balti TPP	1-18	220	Shales	ТП-17	1958-1962
Balti TPP	19-26	320	Shales	ТП-67	1962-1965
Serbia					
Novi Sad TPP	1-2	420	Fuel oil, gas	ТГМ-84Б	1977
Novi Sad TPP	3	500	Fuel oil, gas	ТГМЕ-464	1979
Croatia					
Zagreb TPP	1	500	Fuel oil, gas	ТГМЕ-464	1976

Boilers for 200 MW units supplied for export

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Algeria					
Jijel TPP	1-3	670	Gas, fuel oil	ТГМЕ-206/BCO	1987, 1989
Bangladesh					
Ghorasal TPP	3-6	670	Gas	ТГМЕ-206/BCO	1984, 1985, 1989, 1994
Siddhirganj TPP	1	670	Gas	ТГМЕ-206/BCO	1998
Bulgaria					
Varna TPP	1-3	640	Anthracite	ТП-100/А	1966, 1967
Varna TPP	4-6	670	Anthracite	ТПЕ-212	1976-1978
India					
Vindhychal TPP	1-6	670	Indian black coal	ТПЕ-217	1984-1987
Iraq					
Nasiriyah TPP	1-4	670	Gas, fuel oil	ТГМЕ-206/CO	1976-1978
Nasiriyah TPP (assemblies for modernisation)	1-4	670	Gas, fuel oil	ТГМЕ-206/CO	1998-2001
Yusufiyah TPP	1-3	670	Gas, fuel oil	ТГМЕ-206/ACO	2001-2003
Al Hartha TPP	2,3	670	Gas, fuel oil, petroleum	ТГМЕ-223/BO	2000-2001
Iran					
Isfahan TPP	1-4	670	Gas, fuel oil	ТГМЕ-206/CO	1982-1984
Isfahan TPP	5-8	670	Gas, fuel oil	ТГМЕ-206/ACO	1991-1994
China					
Other TPP in China	1-3	670	Black coal	ТПЕ-207	1974-1975
Other TPP in China	4-7	670	Black coal	ТПЕ-211	1975-1976
Tsantsze TPP	3-6	670	Black coal	ТПЕ-215AC	1987, 1989
Mudanjiang TPP	5-6	670	Black coal	ТПЕ-215BC	1988-1989
Shuangyashan TPP	3-4	670	Black coal	ТПЕ-215BC	1989-1990
Huangdao TPP	3-4	670	Black coal	ТПЕ-215AC	1988, 1989
Lithuania					
Vilnius CHP-3	1-2	670	Gas, fuel oil	ТГМЕ-206	1983-1985
Pakistan					
Guddu TPP	1-3	640	Gas, fuel oil	ТГМ-104/CO	1971 -1974
Multan-2 TPP	1-3	670	Gas, fuel oil	ТГМЕ-206/BCO	1988, 1990

REFERENCE LIST INCLUDING BIG PROJECTS UNDER WAY

Boilers for 200 MW units supplied for export

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Poland					
Potnuw TPP	1-2	640	Gas, fuel oil	ТГМ-104А	1971, 1972
Poloniec TPP	1-8	670	Black coal	ТПЕ-209	1976-1980
Syria					
Tishrin TPP	1-2	670	Gas, fuel oil	ТГМЕ-206/АСО	1987, 1988
Estonia					
Eesti TPP	1-8	640	Shales	ТП-101	1967-1972
Tallinn TPP-2	1,2	500	Gas, fuel oil	ТГМЕ-464	1980-1981
Cuba					
Havana-2 TPP	ST.4	670	Fuel oil	ТГМЕ-206/ВО	1991

Boilers for 300 MW units supplied for export

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Vietnam					
Uong Bi TPP	3	920	Anthracite	ТПЕ-318/СО	2004
Iran					
Ramin TPP	1	1000	Gas, fuel oil	ТГМП-344/СО	1976
Ramin TPP	2-4	1000	Gas, fuel oil	ТГМП-344/СО	1977-1982
Ramin TPP	5-6	1000	Gas, fuel oil	ТГМП-344/ІСО	1991-1993
Lithuania					
Lithuania TPP	7-8	1000	Gas, fuel oil	ТГМП-114	1969-1971
China					
Nanjing TPP	1-2	1000	Lean coal	ТПП-316/СО	1989-1990
Yingkou TPP	1-2	1000	Coal	ТПП-315S	1992-1993

Boilers of undercritical pressure for 320 MW units

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
Syria					
Aleppo TPP	1-2	980 Nel.=320 MW	Gas, fuel oil, petroleum	ТГМЕ-320 ДСО	

Supercritical boilers for 660 MW, 800 MW units supplied for export

Project name	Unit No.	Capacity, t/h	Fuel type	Boiler type	Year of supply
China					
Suizhong TPP	1-2	2650	Coal	ТПП-807	1997, 1998
India					
Barh TPP	1-3	2225 Nel.=660 MW	Black coal	ТПП-660 ABCO	Supply to be completed in 2012

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