

ZIOSAB-DON
PLANT OF POWER
ENGINEERING



ЗИОСАБ-ДОН
ЗАВОД ЭНЕРГЕТИЧЕСКОГО
МАШИНОСТРОЕНИЯ

ZIOSAB-DON Plant

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➤ About Us:

Plant of power engineering ZIOSAB-DON was founded in Volgodonsk, Rostov Region in 2003.



- Personnel number: **more than 200 persons.**
- Production areas: **7 000 m².**
- Open storage areas: **10 000 m².**
- Annual product release: **5 000 tons.**

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➤ About Us

The basic company's activity is equipment manufacturing for large and small power engineering objects. For thermal power objects of large capacity the plant manufactures subsidiary equipment for HRSG downstream gas turbines, power-generating and industrial power steam and hot-water boilers from carbon, heat-resistant and stainless steel grades.

Product range for released boiler equipment for small power engineering objects includes 15 MW hot-water boilers, steam boilers with steam capacity up to 20 tons of steam per hour.

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➤ Production Areas



Production building 3000 m² is equipped with 6 cranes 10 tons capacity each.

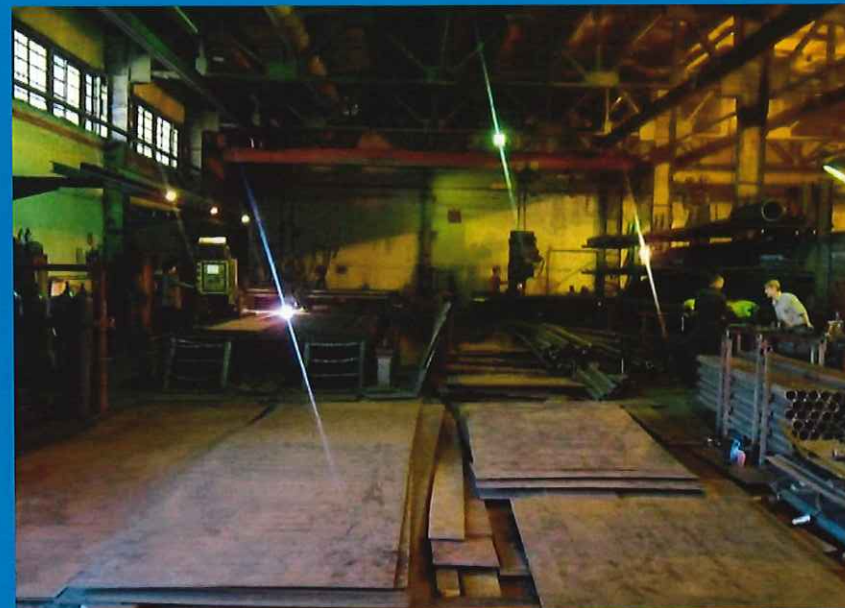
There are technical facilities for manufacturing power-generating equipment with unit mass 40 tons.

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➤ Production Areas



Production-blanking building with the area of 1500 m² consists of three gantries 14 m each, equipped with 6 cranes 5 tons capacity each.

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➤ Production Areas



Assembly-welding building with the area of 1900 m²
is equipped with cranes 3 tons capacity each.

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➤ Production Equipment



Rolled steel cutting with band-sawing machine 330SSAV(13”).



Flat pattern cutting with thermal cutting machine “MESSER”.

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➤ Production Equipment



Drilling area for tube plate processing is equipped with 6 radial drilling machines 1K55 and one 1K57.

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➤ Production Equipment



Shell rolling with 4-roll sheet-bending machine “CHR. HAUSLER”, sheet thickness up to 30 mm, width up to 2000 mm, rolling diameter up to 5000 mm.

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➤ Production Equipment



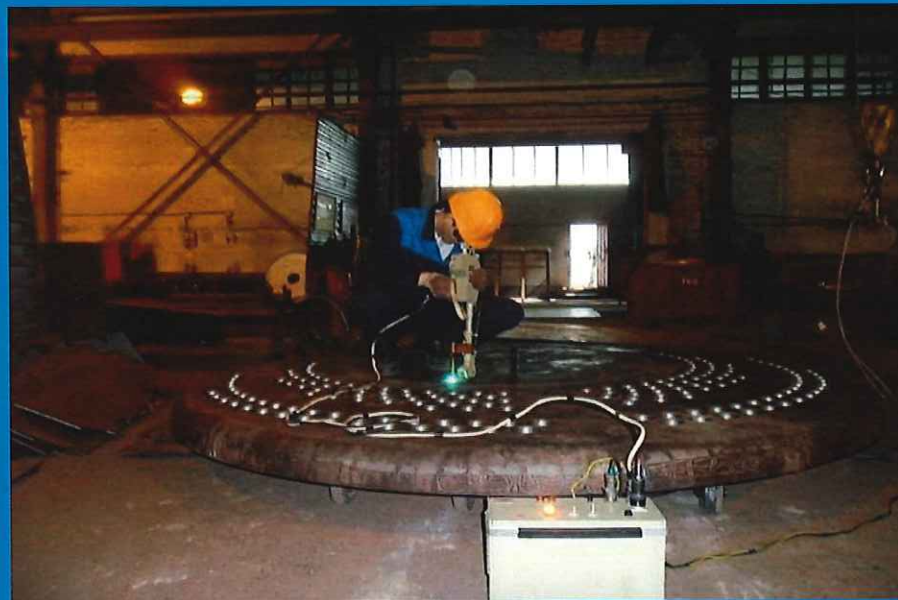
Semi-automatic and automatic gas-shielded welding with
“FRONIUS” equipment.

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➤ Product Quality Control



Receiving inspection by metal
steeloscope (multipurpose
steeloscope of СЛУ type).



UT – welds control with
ultrasound flaw detector UDZ-
204 PELENG.

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➤ Raw Materials



Storage yard of seamless boiler tubes and rolled steel plates.

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➤ Hot-Water Boilers



At the present moment LLC Plant ZIOSAB-DON manufactures 12 types of steel hot-water fire tube-flue two-pass boilers of “ZIOSAB” series with the capacity from 125 kW to 3.0 MW, hot-water gas tube-fire tube three-pass boilers “ZIOSAB-5000” with the capacity of 5.0 MW.

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➤ Hot-Water Boilers



Steam fire tube-flue three-pass boilers “FR-25” with the capacity from 1.0 to 20.0 t/h of steam;



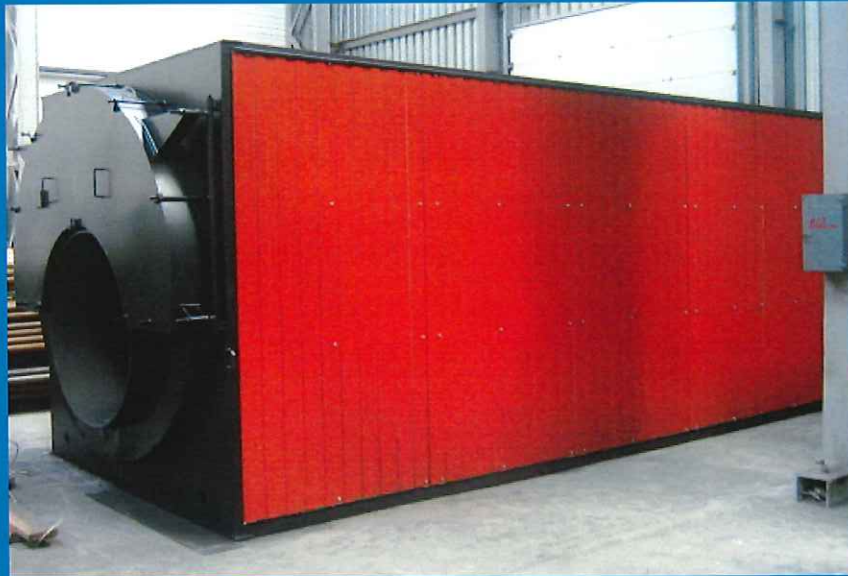
Hot-water fire tube-flue three-pass boilers “FR-10”, “FR-16” with the capacity from 0.5 MW to 15.0 MW.

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➤ Hot-Water Boilers



Boiler “ZIOSAB-5000”
(5.0 MW, mass - 18 tons)



Hot-water boiler
“FR10-8-16-204”
(8.0 MW, mass – 24 tons)
At the territory of production building
ready for shipment on railway platform

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➤ Equipment for Large Power Engineering Objects

Equipment for HRSG, power-generating and industrial power steam and hot-water boilers, capacitive and heat-exchanging equipment:

- Boiler gas ducts covering panels;
- Confusers and diffusers;
- Silencers for steam discharge and gas path;
- Flash tanks of continuous and intermittent blow-down;
- Headers, tubular air preheaters, high pressure heating surfaces;
- Capacitive and heat-exchanging equipment with diameter from 4.5 m and mass up to 40 tons and others.

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HRSG Diffuser
Dzhubginskaya TPP



HRSG Diffuser
Chelyabinskaya TPP-1

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Tubular Air Preheaters for
JSC EEK Aksu, Kazakhstan.

Economizers from finned tubes
for boiler plant of
Ekibastuzskaya GRES-1.



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Continuous blow-down
flash tanks for TPP.



Settling chamber $V=200$ m³
for JSC Rosneft.

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Boiler casing panels
Chelyabinskaya TPP-1

Gas silencers for
Aleksinskaya TPP



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Products for POLYZIUS AG
Gas ducts of cement works
(Kerch, Ukraine)

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Oil product tank $V=200 \text{ m}^3$.
For Novoshakhtinsk Oil
Processing Plant.



Bowl AKP-40 (for
metallurgy, weight - 11
tons).

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Condensate tank
20 m³, weight - 12 tons for
Novoshakhtinsk Oil
Processing Plant.

Convection gas duct for
Dzhubginskaya TPP in
transportation packing.



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Steam discharge silencers. Customer – JSC TEK Mosenergo
for Adlerskaya TPP

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Intermittent blow-down flash
tank for Akademicheskaya TPP.



Intermittent blow-down flash
tank, GTU TPP-200 project for
Lukoil-Permnefteorgsintez,
Perm.

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I Stage Air Preheaters semi-
sections for Troitskaya
GRES.



Intermittent blow-down flash
tanks for Voronezhskaya
TPP-1.

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➤ Product shipment: vehicle, railway, river transport



Transportation of oversized cargo to Volgodonsk river port.

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➤ Product shipment for POLYSIUS AG Company



Delivery by river-marine vessels to Kerch port (Ukraine).

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➤ Shipment by vehicles



Vehicle transportation of boilers ZIOSAB - 5000 18 tons each.

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➤ Shipment by railway



Transportation of boilers ZIOSAB – 5000 on railway platform.

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➤ Shipment by railway



Boiler FR – 10 – 8 – 10 - 120 on
railway platform.



3 boilers ZIOSAB - 2000
for GUP ZhKH
(Yakutia).

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➤ Staff



Design department and Marketing department.

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➤ Transport



Staff delivery to working places
and back home is performed by
our own transport.

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Recreation center on the Don river for staff



The plant owns recreation center on the bank of the Don river,
total area 3 Ha.

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➤ Recreation center for plant staff and city guests on the Don river



Coast line is 250 m long, there is a beach, sauna, berth for small size vessels, fisherman's bridges.

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➤ Our Geography

Петропавловск-
Камчатский

Якутск

Чита

Иркутск

Сургут

Екатеринбург

Пытьях

Киров

Тольятти

Петрозаводск

Санкт-Петербург

Зеленогорск

Псков

Смоленск

Брянск

Орёл

Чебоксары

Белгород

Воронеж

Саратов

Волгодонск

Ставрополь

Астрахань

Сочи

Махачкала

Пятигорск

Пос. Тикси



Petropavlovsk-Kamchatsky, Yakutsk, Chita, Irkutsk, Surgut, Yekaterinburg, Pytyakh, Kirov, Tolyatti, Petrozavodsk, Saint-Petersburg, Zelenogorsk, Pskov, Smolensk, Bryansk, Orel, Cheboksary, Belgorod, Voronezh, Saratov, Volgodonsk, Stavropol, Astrakhan, Sochi, Makhachkala, Pyatigorsk, Tiksi

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Equipment of ZIOSAB-DON is operated at thermal power plants all over Russia and at the territory of near-abroad countries:

- Ekibastuzskaya GRES-1, Kazakhstan
- Chelyabinskaya TPP-1, Chelyabinsk
- Dyagilevskaya TPP, Ryazan
- Novogorkovskaya TPP, Nizhny Novgorod Region
- Unit No.6, Aksu, Kazakhstan
- Dzhubginskaya TPP; Adlerskaya TPP
- Aleksinskaya TPP, Tula Region
- TPP of CJSC GSR Energo, Kolpino
- Kurskaya TPP-1
- Nizhnevartovskaya GRES and others.

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Contacts

Name: Limited Liability Company

Plant of Power Engineering “ZIOSAB-DON”

Abbreviated name: Plant “ZIOSAB-DON” Ltd.

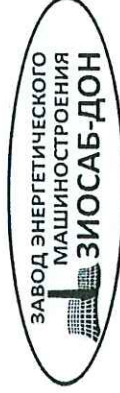
Legal and actual address:

56, 7th Zavodskaya str., Volgodonsk, Rostov region

Tel/fax: (8639) 277610 , 277620, 277831, 277410

e-mail: ziosab-don@mail.ru

www.ziosab-don.ru



Limited Liability Company
"Plant of Power Engineering "ZIOSAB-DON"
("Plant "ZIOSAB-DON" Ltd.)

56, 7th Zavodskaya str., Volgodonsk,
Rostov region, 347360



Tel./fax (86392) 77610; 77620;
77831; 77410
e-mail: ziosab-don@mail.ru

Collaboration offer

Power engineering plant "ZIOSAB-DON" was founded in Volgodonsk, Rostov Region in 2003. The basic company's activity is manufacturing of equipment for large and small power engineering objects. Personnel number is 215 people. Own production areas are 7 000 sq. m., open storage areas are 10 000 sq. m. The products are shipped by vehicle, railway, river transport. Plant production facilities and personnel qualification at the present moment allow treating 5 000 tons of metal production per year.

Product range amounts 56 types of 15 MW hot-water boilers, steam boilers with steam capacity up to 20 tons per hour. We manufacture steel structures, equipment and spare parts for TPP, plants of petrochemical complex, metallurgical plants, capacitive and heat-exchanging equipment, subsidiary equipment for HRSG downstream gas turbines, power-generating and industrial power steam and hot-water boilers from carbon, heat-resistant and stainless steel grades.

All products are certified and have certificates for application approved by Rostekhnadzor of Russian Federation. Plant quality management system complies with the requirements of GOST ISO 9001-2011.

Our equipment is operated at such objects as: "Ekibastuzskaya GRES-1" (state district power plant), Kazakhstan; Dyagilevskaya TPP, Ryazan; TPP-12 OJSC "Mosenergo"; Novogorskoyanskaya TPP, Nizhni Novgorod Region; Chelyabinskaya TPP-1, Chelyabinsk; Dzhubginskaya TPP; Adlerskaya TPP; TPP of CJSC "GSR Energo", Kolpino; Aleksinskaya TPP, Tula Region; Kurskaya TPP-1; Nizhnevartovskaya GRES and others.

Totally "ZIOSAB" released about 6 000 boilers with total heat rate 5 600 MW, which today are operated in boiler houses of housing and utilities infrastructures and at enterprises all over Russia and at the territory of near-abroad countries. Geography of boiler equipment supplies: Petropavlovsk-Kamchatsky, Yakutsk, Tiksi, Khabarovsk, Vladivostok, Chita, Irkutsk, Surgut, Yekaterinburg, Pyryakh, Kirov, Tolyatti, Petrozavodsk, Saint-Petersburg, Zelenogorsk, Pskov, Smolensk, Bryansk, Orel, Cheboksary, Belgorod, Voronezh, Saratov, Volgodonsk, Stavropol, Astrakhan, Sochi, Makhachkala, Pyatigorsk and others.

We are glad to invite foreign partners to collaboration in the field of power engineering manufacturing in Russia.

Hope to establish long-term and mutually profitable relations!

Igor Evtifeyev,
Director