



systems
provider
for power
release

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Fabryka Kotłów SEFAKO S.A. is one of the world's largest manufacturers of the power boilers in Poland. For over 40 years of its operation, the plant has manufactured more than 8 200 boilers and thousands of tons of the pressure parts.

The main assortment of the plant includes the boilers of medium power from 1 MW to 250 MW, which are used both in the horticultural industry and **in the energy sector**. In addition, the boilers with SEFAKO logo can be found in fruit and vegetable processing plants, meat plants, dairies, breweries, hospitals and other public facilities. Due to the experienced team of the employees, the modern machine park and high quality standards, we have also manufactured the boiler parts with the most critically parameters for many years.

Our partners, in addition to manufacture of the boiler equipment, are also provided with development of the technical documentation, installation of the boilers, supervision over installation and commissioning.

The technical equipment and organization of the production processes of Fabryka Kotłów SEFAKO S.A. are at the highest level. Numerous obtained certificates confirm good organization of the work and development, inter alia the Integrated Management System according to the standards PN-EN ISO 9001, PN-EN ISO 14001, PN-N-18001, OHSAS 18001, PN-EN ISO 3834-2, PN-EN 1090-1 and the American powers ASME for manufacturing of the boilers (BPVC section I, S mark) and the tanks (BPVC section VIII Div. 1, U mark).

In the last decade, Fabryka Kotłów SEFAKO S.A. has specialised in manufacturing of the boilers **for thermal conversion of waste** and biomass fired, becoming the largest manufacturer in Europe. For more than 510 lines to incineration of municipal waste in Europe, 90 works with the boiler systems manufactured in SEFAKO.

In addition to the home market, our customers and partners are the largest energy companies in Europe, and the boilers and the boiler elements manufactured in Sędziszów work inter alia in such countries as the United Kingdom, Belgium, Denmark, Finland, France, Germany, Sweden, Russia or Italy.

SEFAKO S.A. is the dedicated and cohesive team that creates manufacturing capacities and assures high quality. For these reasons, our products enjoy excellent reputation among its users and are the leaders in innovative technology, creative design and above all reliability of manufacture at the highest level.

■ Products and services

- boilers for power plants, heating and individual use
- boilers for incineration and co-incineration **of biomass**
- boilers for thermal waste converting
- recovery boilers (of various structure)
- steam and water boilers, water-pipe boilers, fired by different fuels
- steam and water boilers, shell boilers, fired by different fuels
- modernization of the boilers of WR, WLM, OR type based on the gas-tight walls
- pressure elements such as: gas-tight walls panels, evaporators, heaters, economizers, tanks, pipelines
- metal structures
- installation and commissioning of the boilers and the boiler rooms within the delivery and installation contracts



■ Workshop

- 53 000 m² manufacturing area
- metallurgical materials and finished products warehouses
- laboratory for chemical, destructive and non-destructive tests

■ Design Office

- design of the boilers and the by-boilers equipment for industrial and thermal energy
- design, prefabrication and installation of the automation systems
- drawing up the design documentation
- thermal, strength, and flow calculations
- modern software tools: 3D/2D, MES, Fluent, PDA/S, PDMS

■ Welding

- more than 200 highly-skilled welders and operators of the devices with the permissions according to EN287-1/EN ISO 9606-1; EN1418/EN ISO 14732
- mechanized: gas-tight walls welding, orbital pipes welding, welding of pipes to the chambers, narrow-slit welding of butt connections and bottoms
- welding methods: TIG (141), TIG Automat, TIG/E (141/111), UP (121), MAG (135/136). Recognised in accordance with EN ISO 15614-1, AD 2000 Mbl HP2/1 and EN 12952.
- mechanized longitudinal hard facing of gas-tight walls, pipes with the MAG method (135/131), CMT (Cold Metal Transfer) and PULSE with the materials of G4, 309, 310, Inconel625 type. Recognised in accordance with EN ISO 15614-7, AD 2000 Mbl H P2/1, VdTUV Mbl. 1166 and EN 12952.
- own welders training centre

■ Quality

- the Company Laboratory recognized by the Office of Technical Inspection, satisfying the criteria of the technical requirements referred to in p. 5 of the standard PN-EN ISO/IEC17025
- highly qualified research personnel, qualified and certified in accordance with the standard PN-EN ISO 9712 and ASNTSNT-TC-1A
- the modern control and measurement devices

■ Certificates

- PN-EN ISO 9001, PN-EN ISO14001, PN-N-18001, OHSAS18001
- PED 97/23/EG
- EN ISO 3834-2 (EN 729-2)
- AD 2000 - Merkblatt HP 0/TRD 201
- ASME USA "S", "U"
- Gospromnadzor
- EN ISO 14731, EN 287-1/EN ISO 9606-1, EN 1418/EN ISO 14732, EN 288-3/EN ISO 15614-1, EN 473



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