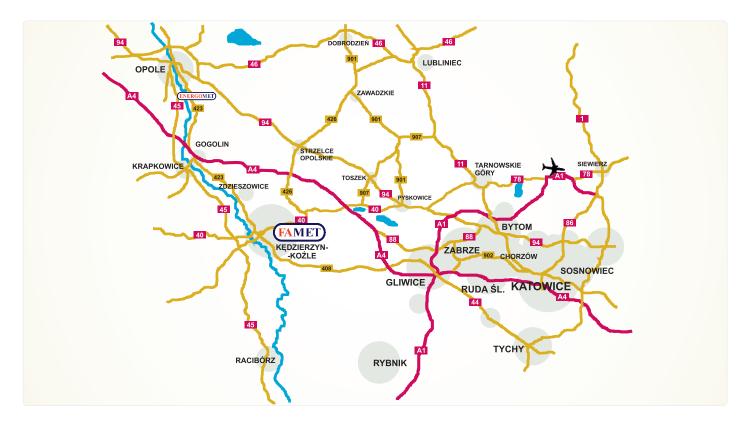
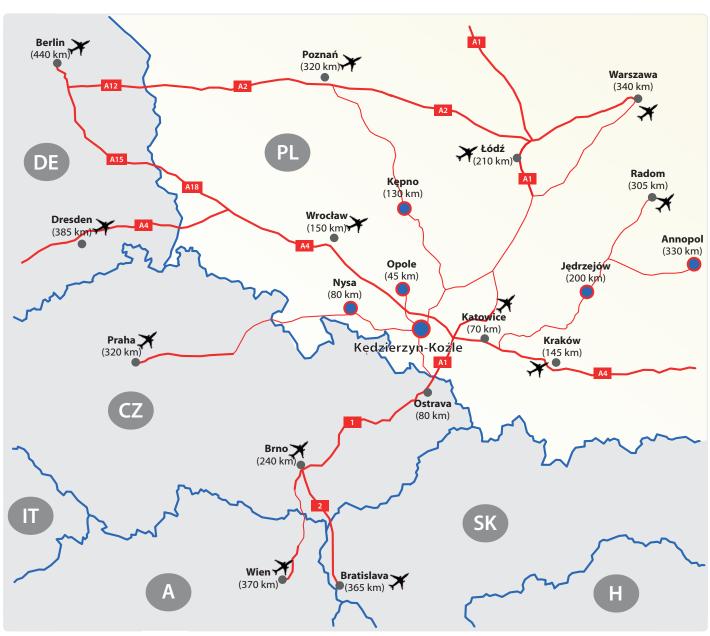


# **CONTENT**

- 1. Address
- 2. Authorities of the Company
- 3. Organizational and financial data
- 4. Personnel
- 5. FAMET GROUP
- 6. Engineering and Design
- 7. Manufacturing potential
  - 7.1 Shop floor area
  - 7.2 Manufacturing equipment
- 8. Used materials
- 9. Production profile
  - 9.1 Apparatus and industrial equipment
  - 9.2 Components for wind power plants
  - 9.3 Components for building and handling machines
  - 9.4 Bimetallic finned tubes extruded type
- 10. Testing
- 11. Quality certificates and references







## 1. ADDRESS

Name of the Company FAMET S.A.

Address 15a Szkolna Str.

47-225 Kędzierzyn-Koźle

**POLAND** 

Telephone +48 77 40 52 000

+48 77 40 52 100, 40 52 105 Management Board Office

**Operator** 

E-mail office@famet.com.pl Internet www.famet.com.pl

## 2. AUTHORITIES OF THE COMPANY

Management Janusz Przybyła President of the Management Board

**Board** 

Mirosław Syrek Vice President of the Management Board

**Financial Director** 

Krzysztof Charczenko Vice President of the Management Board

**Technical Director** 

## 3. ORGANIZATIONAL AND FINANCIAL DATA

Year of Company's establishment 1950

Legal status of the Company Joint Stock Company since 1990 (private)

Equity capital (2023) 245 824 518,21 PLN - share capital 3 125 000 PLN

Commercial register Opole KRS 0000030362

Bank ING Bank Śląski S.A.

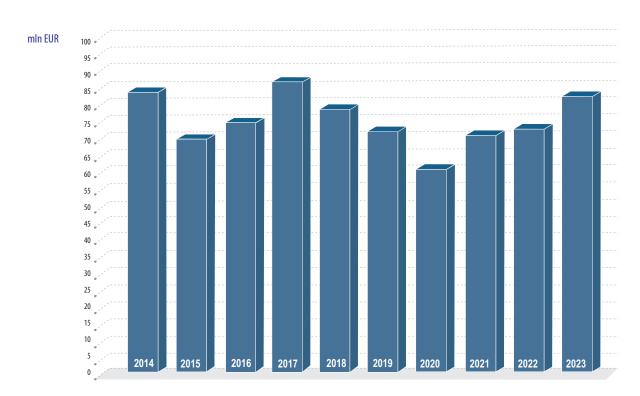
Bank PEKAO S.A. mBank S.A.



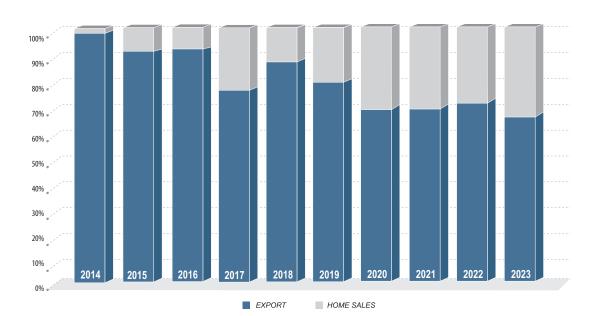
For many years, the Company`s primary activity has been focusing on deliveries of process equipment and machinery, as well as manufacture and deliveries of components for wind turbines and generators and components for building and handling machines. Other companies constituting FAMET GROUP additionally increase both the market activity area and entire Group potential.

(Information indicated below concerns FAMET S.A .only)

#### YEARLY TURNOVER IN 2014-2023

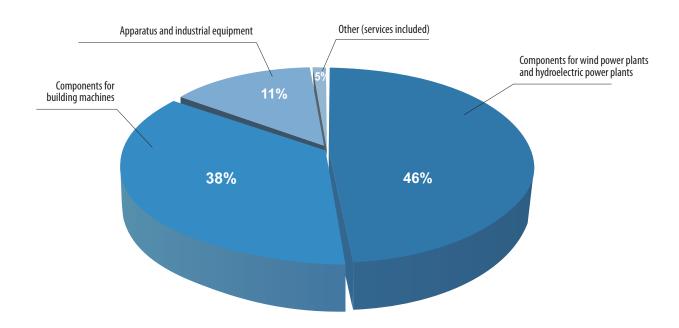


#### SALES STRUCTURE IN 2014-2023

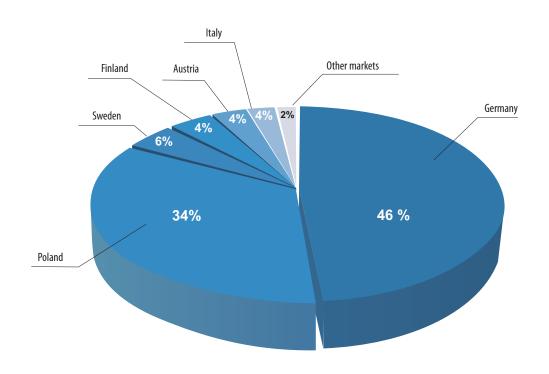




#### SALES STRUCTURE IN 2023 ACCORDING TO MAIN PRODUCT GROUPS



### SALES STRUCTURE IN 2023 ACCORDING TO SALES MARKETS





## 4. PERSONNEL

#### **COMPANY`S SENIORS RESPONSIBLE FOR:**

Sales Janusz Przybyła

Mateusz Przybyła

Engineering and design
Production and technique
Finance
Technology
Quality Assurance
Quality Control

Dariusz Fabiańczyk
Krzysztof Charczenko
Mirosław Syrek
Piotr Bischof
Daniel Stiler
Robert Dzienia

MaintenanceAdam Frątczak-MazurPurchaseMarek WojkowskiInformaticsStanisław Andrzejewski

OS&H and environmental protection Liliana Kraska

#### **FAMET GROUP EMPLOYMENT**

	HEADQUARTER MANUFACTURING PLANT NO 1 IN KĘDZIERZYN-KOŹLE	MANUFACTURING PLANT NO 2 IN JĘDRZEJÓW	MANUFACTURING PLANT NO 3 IN KEPNO	MANUFACTURING PLANT NO 4 IN OPOLE	MANUFACTURING PLANT NO 5 IN ANNOPOL	ENGINEERING OFFICE IN NYSA	Number of personnel
FAMET	181	29	50	94	25	12	391
FAMETPLUS	165						165
		120					120
CHEMOMET			142				142
<b>ENERGOMET</b>				258			258
<b>FAMETSERWIS</b>					69		69
TOTAL	346	149	192	352	94	12	1145

## **FAMET GROUP**



#### Managing Board

Strategic planning Finance & accountancy Investment & development Engineering & design Technique Quality assurance **Purchase** OS&H and enviromental protection Human resources Management organization R&D department

## IN KĘDZIERZYN-KOŹLE

Manufacturing of bimetalic finned tubes, components for construction and handling machines as well as elements for electric machines and generators.

#### MANUFACTURING PLANT NO 1 MANUFACTURING PLANT NO 2 IN JĘDRZEJÓW

Manufacturing of components for construction machines, electric machines and generators, as well as wind turbines elements, telescoping casings for tooling machines, louvers and bearing blocks. Machining services.

#### MANUFACTURING PLANT NO 3 IN KĘPNO

Manufacturing of industrial equipment - air coolers and condensers, shell & tube heat exchangers, steam condensers, regenerative preheaters as well as pressure vessels, reactors, column type and vessel type apparatus. Production of components for construction and handling machines, for winnd turbines and for cranes.

#### **MANUFACTURING PLANT NO 4 IN OPOLE**

Manufacturing of industrial equipment - heavy welded steel structures (generators and turbine casinos included), shell & tube heat exchangers, steam condensers, regenerative preheaters. column type apparatus and reactors, pressure vessels and gas filters. Moreover - production of wind turbine elements and components for cranes and handling machines.

#### MANUFACTURING PLANT NO 5 IN ANNOPOL

Manufacturing of components for construction and electric machines, as well as for generators and wind turbines.



Production services rendered to Manufacturing Plant no.1 in the range of welding, fitter works, machining and indirect manufacturing services.



Production services rendered to Manufacturing Plant no.3 in the range of welding, fitter works, machining and indirect manufacturing services.



Production services rendered to Manufacturing Plant no.4 in the range of welding, fitter works, machining and indirect manufacturing services.



Production services rendered to Manufacturing Plant no.5 in the range of welding, fitter works, machining and indirect manufacturing services.



## 6. ENGINEERING AND DESIGN

FAMET's own engineering departments prepare complete technical documentation and offer following services: process calculation (thermal and flow), strength calculation, complete approved and workshop technical documentation, technical consulting and advisory, assembly supervising, full service and spare parts deliveries. Technical documentation may be also prepared according to Customer's technical assumptions.

FAMET S.A. has got the authorization of:

PED 2014/68/EU

**ASME** - USA **TÜV** - Germany

**UDT** - Poland

**Lloyd`s Register** - Great Britain

**SLV** - Germany

FAMET Inc. has got Certificates of Integrated

Management System:

PN-EN ISO 9001:2015-10 PN-ISO 45001:2024-02

PN-EN ISO 14001:2015-09

Engineering departments prepare technical documentation according to following codes and standards:

EN 13445-3 AD 2000 Code ASME Sec VIII Div. 1 TEMA R,C API 660 API 661 WUDT 2003

Technical documentation for pressure equipment delivered onto EU market corresponds with **PED 2014/68/EU**.

## 7. MANUFACTURING POTENTIAL

#### 7.1 SHOP FLOOR AREA

	MP no.1	MP no.2	MP no.3	MP no.4	MP no.5
	Kędzierzyn-Koźle	Jędrzejów	Kępno	Opole	Annopol
Covered, m <sup>2</sup>	19 921	12 305	19 481	75 126	10 654
Uncovered, m <sup>2</sup>	17 267	4 100	12 480	55 972	2 500
Total, m. <sup>2</sup>	37 188	16 405	31 961	131 098	13 154



# 7.2 MANUFACTURING EQUIPMENT (Max)

	MP no.1 Kędzierzyn-Koźle	MP no.2 Jędrzejów	MP no.3 Kępno	MP no.4 Opole	MP no.5 Annopol
Cutting equipment:					
Flame cutting centre CNC (l,w,t)[mm] Laser cutting centre CNC (l,w,t)[mm] Plasma Cutting machine CNC (l,w,t)[mm]	12 000 x 5 000 x 300 4 000 x 2 000 x 25 <sup>(cs)</sup> x20 <sup>(cs)</sup>	12 000 x 5 000 x 300 6 500 x 2 500 x 25(cs) <sub>x</sub> 20(ss) 50	20 000 x 5 000 x 300 8 000 x 2 700 x 25(cs) <sub>x</sub> 20(ss) 50(ss)	24 000 x 4 050 x 300 - 40 <sup>(ss)</sup>	12 000 x 5 000 x 300 - -
Bending equipment:					
Plate forming roller CNC (t,w)[mm] Press brake CNC (Q)[t];(I)[mm] Hydraulic press (Q)[t]	50 x 2 550 400 ; 4 000 250	30 x 1 500 320 ; 5 500 280	35 x 3 000 600 ; 8 000 400	100 x 3 100, 60 x 3 600 800 ; 6 000 500	- - 250
Welding equipment:					
Hand and automatic welding Welding robot	SAW SMAW GTAW GMAW FCAW -	GTAW GMAW GMAW (MIG/MAG)	SAW SMAW GTAW GMAW FCAW GMAW (MIG/MAG)	SAW SMAW GTAW GMAW FCAW -	GTAW GMAW GMAW (MIG/MAG)
Main machining aguinments					
Main machining equipment:					
Machining centre H $(x, y, z+w)$ Machining centre V $(x, y, z+w)$ Lathes carousel CNC $(\emptyset,h)$	6 000 x 3 500 x 1 000+700 4 200 x 2 300 x 1 020 2 900 x 2 540	2 500 x 1 800 x 1250+800 4 200 x 2 300 x 1020	14 000 x 5 000 x1 500+700 4 100 x 1 710	26 000 x 7 000 x 1 600+1 400 29 000 x 9 000 x 6 000+3 500 14 000 x 6 450	2 500 x 1 800 x 1 250+800 2 900 x 1 940
Heat treatment equipment:					
Annealing Furnace (w,h,l)[mm], (t)[°C] Induction [kW/Hz],resistance [kW]	4 000 x 2 500 x 5 000 ; 800 3 x 40	<del>-</del> -	120 / 2 000	5 000 x 5 000 x 17 000; 1 000 -	4 500 x 1 600 x 1 600; 800 -
Surface treatment equipment:					
Shot blasting facility Painting shop with complete wquipment Metallization ZN,ZN/AI,AI	+ + -	+ + -	+ + -	+ + +	+ + -
Transport possibilities:					
Road transport Railway transport (factory siding) Inland transport	+ + -	+ - -	+ + -	+ + +	+
Crane: max lifting capacity [t]	20	8	32	2 x 250 / 500	5



## 8. USED MATERIALS

Apparatus and equipment: Tubes for heat exchanger:

Carbon steel Copper Boiler steel Brass

Stainless steel Carbon steel

DUPLEX type stainless steel Boiler steel

Creep-resisting steel Stainless steel

Fine-grained steel DUPLEX type stainless steel Plating Titanium, HASTELLOY

## 9. PRODUCTION PROFILE

FAMET S.A. has got over 70-years of experience in design, manufacture and delivery of process apparatus and their elements.

Recent years resulted in FAMET's considerable success in sales development onto difficult and stringent foreign markets. Customers' approval of product top-quality and reliability as well as safety and competitiveness of deliveries make the level of export sales value approx. 80% of total revenues lately.

#### 9.1 APPARATUS AND INDUSTRIAL EQUIPMENT

#### Air coolers

For over 45 years FAMET S.A. has been offering complete air coolers (air cooled heat exchangers) in horizontal or roof type application, particularly for refineries, petrochemical, chemical, power and gas industry.

Air coolers include:

- tube bundles including finned tubes of extruded type
- fans, louvers, plenums, steel structures

Trial assembly of air coolers and other appliances is realized on the shop. Our specialists perform the supervision over the assembly and starting up of apparatus at the site according to Customer's request.

#### **Gas filters**

FAMET S.A. manufactures and delivers natural gas filters, which are applied in turbocompressor natural gas stations located on transmission gas lines. Gas filters are to remove mechanical impurities (solid particles) and liquid ones (condensate) upstream of turbocompressor suction.



#### Main characteristics of gas filter:

- very large contamination holding capacity
- low flow resistances
- low noise level of filter
- service access to candle filter cartridges through bayonet closure with hydraulic opening system during maintenance
- intake and outtake nozzles are blanked by hydraulic drive
- special outflow chamber decreasing flow resistance and noise level
- glass wood (120 mm) insulation
- possibility of housing the complete set of measurement equipment and valves
- electric heating of condensation area by heating tape
- automatic draining away of condensate to a sump area
- gas filters station consists of five self-contained, upright filters
- service access to filters station from two-floor platform with staircase is provided

# Shell and tube heat exchangers for refineries and petrochemistry (according to TEMA standards)

FAMET S.A. supplies shell & tube heat exchangers for refineries, petrochemical and chemical industry. Offered equipment is consistent with design and technological requirements indicated in TEMA standards. These standards are generally used in refineries and petrochemical industry. Heat exchangers offered by FAMET S.A. contain the full range of constructional varieties, both in single-pass and multi-pass system:

- MONOLITH Baffle®
- HELIKON Baffle®
- with straight tubes and fixed tubesheets
- with straight tubes and floating head
- with U-tubes
- with compensating devices

#### Shell and tube heat exchangers for power industry

For power engineering, power industry and heat engineering FAMET S.A. offers high-pressure (*HP* type) and low-pressure (*LP* type) regenerative preheaters, steam condensers, coolers of water and oil.



#### Vessel process apparatus

FAMET S.A. also offers vessel type process equipment which is designed and manufactured with ASME U-stamp, TÜV, UDT and PED 2014/68/EU (with CE mark) approvals. Deliveries of apparatus may be also prepared according to Customer's technical documentation.

FAMET S.A. offers an extended program for piping components such as: wrough tees, welded tees, manifolds and headers. Moreover, the Company offers louvers which are using for air flow control in air coolers, ventilation or air conditioning systems.

#### 9.2 COMPONENTS FOR WIND POWER PLANTS

For several years the Company has been offering components for renewable energy plants. Manufacturing program includes such elements for wind power units as:

- nacelles
- generators housings
- components of electrical generators
- brake discs (azimuth)
- other steel elements

#### 9.3 COMPONENTS FOR BUILDING AND HANDLING MACHINES

For almost 40 years, FAMET S.A. has been specializing in manufacturing and delivery of subassemblies, components and parts for building and handling machines for a large scale. These elements are produced for leading European machinery producers located in Germany, France, UK, Sweden, Switzerland and Italy.

Following types of components are offered:

- smooth-surface drums and drums with pads
- housings, frames and elements of them
- frames, yokes, vibratory shafts, scoops and buckets, hydraulic tanks
- heavy booms and chassis for reachstacker machines
- other welded and machined parts

#### 9.4 BIMETALLIC FINNED TUBES EXTRUDED TYPE

FAMET type finned tubes are manufactured according to the modern and original own technology. In this process a smooth, thick-walled aluminium tube is slid over the core tube of any required material and then is subjected to rotary cold rolling so that finns are formed.



Our high-finned tubes with highly developed fin surface find their most important application for heat transmission from gaseous media, in particular for heat exchangers designed for liquid and gas cooling by means of atmospheric air, or for heating and cooling using other media.

Bimetallic *FAMET* type finned tubes are used:

- in refinery, petrochemical and chemical industry for: air-cooled condensers, air-cooled coolers for products, gas coolers, gas heaters
- in the machine-building industry and in equipment construction for: oil coolers, interstage coolers of turbocompressors and compressors
- in conventional and nuclear power stations for: gas coolers, interstage coolers, cooling-drying towers, steam air-preheaters
- in air conditioning systems for: condensers and other conditioning plants.

## 10. TESTING

The scope of carried out tests and examinations:

Strength examinations - tensile test - bend test

- impact test - hardness test

Non-destructive examinations - radiographic test - ultra-sonic test & measurement

- magnetic test

- dye penetration test

- videoendoscopic test (instr. stalk  $\emptyset = 6$  mm, I = 5 m.)

Geometry examinations - 3D measurement machine

- lasertracker

Special examinations - leak-proof helium test

Chemical analysis of metals - spectrotest

FAMET's staff for all non-destructive examinations is qualified for SNT-TC-1A level 2 according to ASME and PED.



# 11. QUALITY CERTIFICATES AND REFERENCES

















# CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Enginee (ASME) for the scope of activity shown below in accordance with the applicable rules the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certificative Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped withe ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

FAMET S.A. WORKSHOP No. 1 ul. Szkolna 15 a Kedzierzyn-Kozle 47-225 Poland

SCOPE:

Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite

AUTHORIZED: November 08, 2022
EXPIRES: November 08, 2025

CERTIFICATE NUMBER: 40002

RIGHT CHUM

AM Zusinberg
Managing Director, Standardy's Engineering Services



The American Society of Mechanical Engineers



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COMPANY:

FAMET S.A. WORKSHOP No. 1 ul. Szkolna 15 a Kedzierzyn-Kozle 47-225 Poland

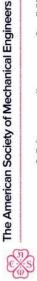
SCOPE:

Manufacture and assembly of power boilers at the above location and field sites controlled by the above location

AUTHORIZED: November 08, 2022
EXPIRES: November 08, 2025
CERTIFICATE NUMBER: 40001

Rital B. Cyun

AM Zusinbery
Managing Director, Standardy & Engineering Services



TUV NORD **CERTIFICATE** Conformity of the Factory Production Contro 0045-CPR-1090-1.00028.TÜVNORD.2015.005 In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the following construction product: Construction product Structural components and kits for steel structures to EXC3 according to EN 1090-2 for load-bearing structures in all types of buildings ZA 3.2 to ZA 3.5 acc. to EN 1090-1:2009+A1:2011 produced by or for FAMET S.A. Szkolna 15a 47-225 Kedzierzyn-Kozle POLAND Manufacturing plants see reverse This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the harmonised standard EN 1090-1:2009+A1:2011 under system 2+ are applied, and that the factory production control fulfills all the prescribed requirements stated therein. Date of first issue 12.05.2015 Validity end 11.05.2025 TEV MORD M.Sc. Schneider Hamburg, 11.08.2022 Grzybacz 8120002115 2147 To verify the validity of the stigital segnature of the TOV NORO System the installation of the TOV NORO GROUP root certificate is required DARKS Declare in a servation TÜV NORD Systems GmbH & Co. KG. Große Bahnstraße 31, 22525 Hamburg, GERMANY

Certificate number: 0045-CPR-1090-1.00028.TÜVNORD.2015.005

Manufacturing plants 1. FAMET S.A.
Stanissiava Skaly 15, 23-223 Annopol, POLAND

2. FAMET S.A.
Stanissiava 11, 28-300 jedrzejow, POLAND

3. FAMET S.A.
Stanissiava 2, 2-3-600 Kepno, POLAND

4. FAMET S.A.
Oswiecimska 102 C, 45-641 Opole, POLAND

7. FAMET S.A.
Oswiecimska 102 C, 45-641 Opole, POLAND

Remarks

The Notified Body - 0045 TÜV NORD Systems GmbH 6 Co. KG has performed the initial inspection of theirof manufacturing plantist) and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control control.

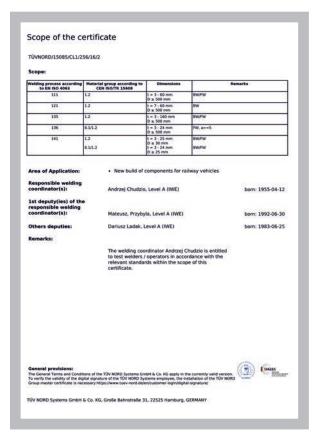
ISO 3834-2 TNP-3834-0076-2020 TÜV NORD Polska sp. 03.09.2023

General provisions

The regulations of PZO of TÜV NORD Systems GmbH 6 Co. KG apply in their valid version.













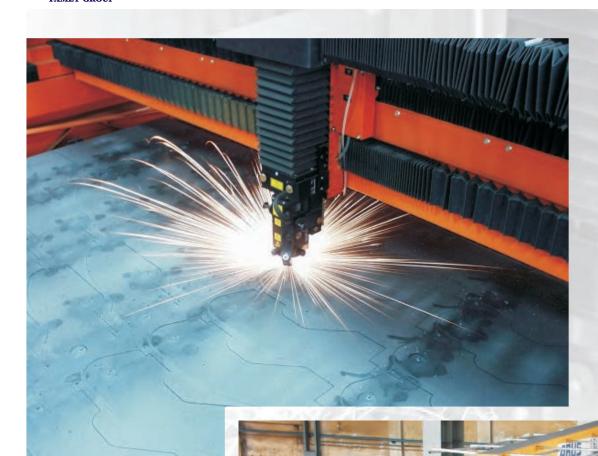












CNC plate laser cutting centre









CNC plate oxygen cutting centre



























Welding equipment



















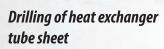




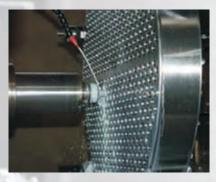


















Assembly of shell & tube heat exchanger tube bundlel









Putting of tube bundle into heat exchanger shell

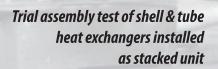






Battery of shell & tube heat exchangers in solar power plant





















Heat treatment of high-pressure regenerative preheaters after welding



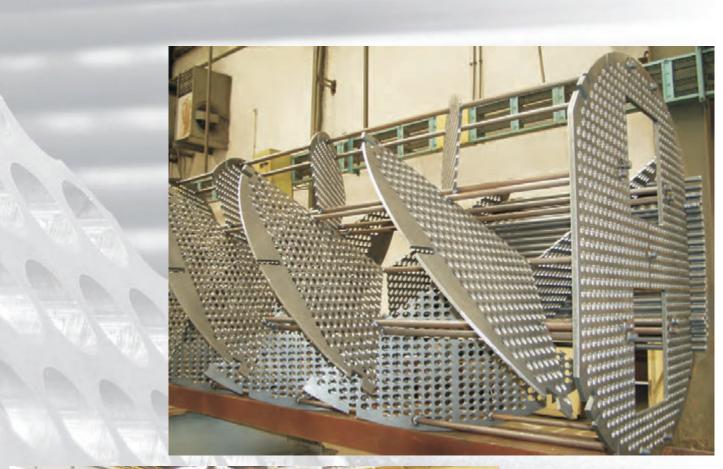






High-pressure regenerative preheater (HP type) ready for shipment







Assembly of heat exchanger of "helixchanger" type (helically baffled)











Removable cover plate header with stud bolts

Stainless steel tube bundle with plug type header

Water pressure test of tube bundle

















Machine for finning of tubes (length: 15.5 m.)



















Tube bundles assembly shop

Finned tubes applied in air cooler tube bundle









Fans installed in natural gas air coolers



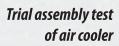






Automatically controlled louvers installed in air cooler











## Battery of natural gas air coolers





Air cooler with tube bundles in roof arrangement











Glycol air cooler in thermal-electric power station











Water air cooler in power station

Natural gas air coolers in soundproof housing













Assembly of turbine steam condenser













Turbine steam condenser installed in power plant









of steam condenser













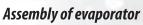
Assembly of gas filters



## Heat pumps



Evaporator of sea water desalination system during trial assembly











Pressure vessel for petrochemical plant

















Generator housings ready for shipment









Examples of electric machine housings







Components for building machines



















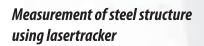


Chassis for reachstacker(45t)



















US testing of completely welded header



## Transport of evaporators by water





Gas collectors transport to compressor gas station



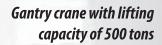








Loading of apparatus onto the barge











Railway transport