POLIMER *Cooperation and support*

Engineering. Manufacturing. Service.

www.polimer.tech

WHAT WE DO

Business profile
Products
Engineering & Design
Materials
Welding
NDT testing
Finned tubes
Heat treating
Metalworking
Other technologies
Example projects
Assembly
Service

COOPERATION AND SUPPORT

Technical support
International business
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Certificates

WHAT WE DO

BUSINESS PROFILE

Our main activity is the **design, manufacture and assembly of pressure and non-pressure equipment** for industrial installations in the **refinery, chemical, petrochemical, mining, fertilizer and energy sectors**.

We also provide:

- **service, repair and modernization >>** of pressure equipment subject to the UDT (Office of Technical Inspection)
- **technologies >>** welding, annealing, finned tubes, plate finned tubes, cladding
- **metalworking >>** cutting, rolling, press braking of sheet metal, pipe bending, welding
- **non-destructive testing (NDT) >>** RT, UT, UTT, PT, MT, VT, HT, PMI, LT

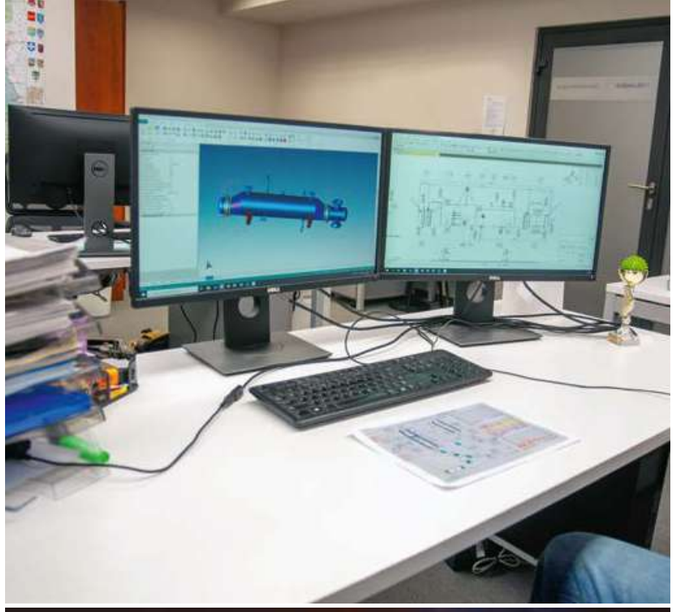
We are the right partner for any company that needs to

- **design, install, replace, repair, modernize and optimize individual devices, assemblies or entire installations:**
- **for corrosive, toxic, flammable and explosive media**
- **at high pressures and extreme temperatures**
- **when applying alloyed and exotic materials**

Our offer is addressed primarily to **End Users** and **EPC** (Engineering, Procurement & Construction) companies.

You can choose from a **comprehensive** range of services – engineering, procurement, manufacturing, installation, commissioning, service – or entrust us with a **specific stage of works**.

PED 2014/68/EU
ASME BPVC
(W)UDT
GOST (EAC)
ДСТУ



PRODUCTS

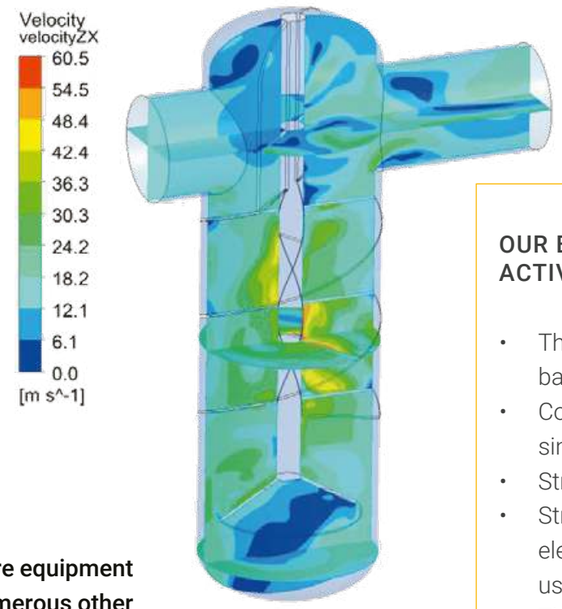
WE DESIGN AND MANUFACTURE:

- shell and tube heat exchangers;
- air coolers;
- pressure vessels;
- reactors;
- pipelines / piping;
- columns;
- storage tanks;
- electric heaters;
- and various other elements of industrial installations that do not fit into the above categories, as well as steel structures.

Categorized by process, we offer: coolers, heaters, scrubbers, separators, absorbers, condensers, deaerators, autoclaves, saturators, vaporizers, boilers, strippers, evaporators, super heaters, etc.

ENGINEERING
MANUFACTURING
TESTING
ASSEMBLY

ENGINEERING & DESIGN



Our design office comprises a tightly-knit team of designers with **many years' experience** in developing equipment that meets client expectations and regulatory requirements. We provide a wide range of design services paired with comprehensive and professionally produced design documentation in **various domains** of broadly defined industry.

We specialise in the following sectors: **technology and installations, pressure equipment and tubing** mainly for **refineries, chemistry, petrochemistry, energy and numerous other branches of industry**. Our designs are based both on recognised design standards and on comprehensive numerical analyses.

We provide **comprehensive technical designs** of whole process, transfer and storage installations and their parts: shell and tube heat exchangers, reactors, towers, columns, pressure vessels, storage tanks, fan cooling towers, pipelines, filling stations, steel structures and other installations, along with instrumentation.

We create **new designs from scratch** achieving the result desired by the client on the basis of a data sheet. We perform **modernisation and optimisation works** on existing equipment and installations, e.g. reducing dimensions while maintaining performance, improving efficiency, obtaining better corrosion resistance – longer service life, lower equipment cost while maintaining efficiency and service life, etc. We provide **updates to existing documentation** (usually as part of equipment replacement), ensuring compliance with latest regulations, or updating materials.

We submit our designs for assessment and approval to client-indicated **inspection bodies** (e.g. ASME – Authorized Inspection Agency, European Pressure Directive - Notified Body, UDT (Polish Office of Technical Inspection).

We also **offer expert studies and analysis** of specific events occurring during the operation of industrial installations.

We adjust the **templates and numbering of design documents** to the client's in-house system, if needed.

OUR ENGINEERING AND DESIGN ACTIVITIES INCLUDE:

- Thermal and flow calculations – heat balance (DATA SHEET)
- Computational fluid dynamics (CFD) simulations
- Strength calculations
- Strength simulations of pressure elements, as well as steel structures using the FEM (finite element method)
- Three-dimensional (3D) and two-dimensional (2D) modelling of devices and installations
- Modal analyses of structures
- Fatigue analyses of devices and structures subjected to dynamic loads
- Distribution analyses of temperature, velocity and other physical quantities
- Technology and material selection
- Shop drawings and process documentation
- Documentation for tubing, non-pressure tanks and storage tanks
- Construction documentation
- Instrumentation and automatics documentation
- Electrical system documentation
- Process flowcharts
- Pump selection
- Licence documentation and documentation approved by third parties (Notified Bodies, AIA - Authorized Inspection Agencies, UDT, etc.), also indicated by the client

STANDARDS AND DESIGN RULES:

- ASME VIII Div. 1 latest edition
- ASME VIII Div. 2 latest edition
- EN 13445
- PED (Pressure Equipment Directive) 2014/68/UE
- EN 13480
- EN 14015
- EN 1591
- WUDT (Conditions of the Office of Technical Inspection): Production, Modernisations, Repairs);
- GOST
- API 571/579/660/661
- TEMA
- AD 2000-Merkblatt

MAIN DESIGN SOFTWARE PACKAGES:

- Autodesk AutoCad;
- Autodesk Inventor Professional;
- Autodesk Nastran;
- Autodesk AutoCad Plant 3D;
- Intergraph PVElite;
- Intergraph Visual Vessel Design;
- NozzlePRO;
- ASPEN Engineering.

MATERIALS

We pay special attention to the origin of the materials. We perform our own audit of new and existing suppliers. We purchase materials only from reliable partners. All materials have appropriate certificates, and the properties are verified by the internal NDE laboratory and external auditors.

EN 764-5 - System of Transferring the Marking of Materials

The equipment we produce is often used in difficult conditions: at extreme temperatures, high pressures, and in contact with corrosive media.

The use of appropriate materials in the production of pressure devices is one of the key elements of their proper operation and achieving the assumed parameters.

Purchasing non-standard materials requires very good knowledge of the global market, while their processing and welding must be supported by experience, appropriate qualifications and technology. We are constantly working to improve our knowledge and quality assurance system.

As we have proven on many occasions, we are more than able to tackle any new technology.

The list of materials below demonstrates our experience, not our limitations:

Metal	P-No acc. to ASME	Group acc. ISO 15 608	Grade designation
Titanium	51	51	Gr. 1 – UNS R50250 – 3.7025 – Ti Gr. 2 – UNS R50400 – 3.7035 – Ti
Nickel-iron-chromium alloys (Ni-Fe-Cr) Ni ≥ 30%	45	45 8.2 (1.4539)	904L – UNS N08904 – 1.4539 – X1NiCrMoCu25-20-5) Sanicro 28 – UNS N08028 – 1.4563 – X1NiCrMoCu31-27-4 CT15C – UNS N08151 UNS N08810
Nickel-chromium alloys (Ni-Cr-Fe-Mo) Ni ≥ 40%	43	43	Alloy C22 – UNS N06022 – 2.4602 – NiCr21Mo14W Alloy 601 – UNS N06601 – 2.4851 – NiCr23Fe
Nickel-copper alloys (Ni-Cu) Ni ≥ 45%, Cu ≥ 10%	42	42	UNS N04400 – EN 2.4360 – NiCu30Fe
Austenitic-ferritic stainless steels	10	10	Duplex – UNS S31803 – 1.4462 – X2CrNiMoN22-5-3
Austenitic stainless steels	8	8	Sandvik 2RE10 – UNS S31002 – 1.4335 – X1CrNi25-21 321 – UNS S32100 – 1.4541 – X6CrNiTi18-10 316Ti – UNS S31635 – 1.4571 – X6CrNiMoTi17-12-2 316L – UNS S31603 – 1.4401 – X5CrNiMo17-12-2 316 – UNS S31600 – 1.4404 – X2CrNiMo17-12-2 312 – UNS S32615 – Noram SX™
Chromium molybdenum boiler steel for elevated temperatures (Cr-Mo)	4	5	Gr. 12 / F12, Cl. 2 – UNS K11757 / UNS K11564 – EN 1.7335 – 13CrMo4-5 Gr. 11 / F11 / T11 Cl. 2 – UNS K11789 / K11572 / K11597 – EN 1.7335 – 13CrMo4-5 Gr.5 / T5 / F5 – UNS K41545 – 1.7366 – X16CrMo5-1
Low-vanadium steels Cr-Mo-(Ni)	3	4	1.6308 – 18MnMoNi5-5 1.6368 – 15NiCuMoNb5
Martensitic and ferritic steels C ≤ 0,35%; 10,5% ≤ Cr ≤ 30%	6	7	405 – UNS 40500 – 1.4002 – X6CrAl13 410 – UNS 41010 – 1.4006 – X12Cr13
Any type of carbon steel			
Copper, brass and other copper alloys			
Aluminium			

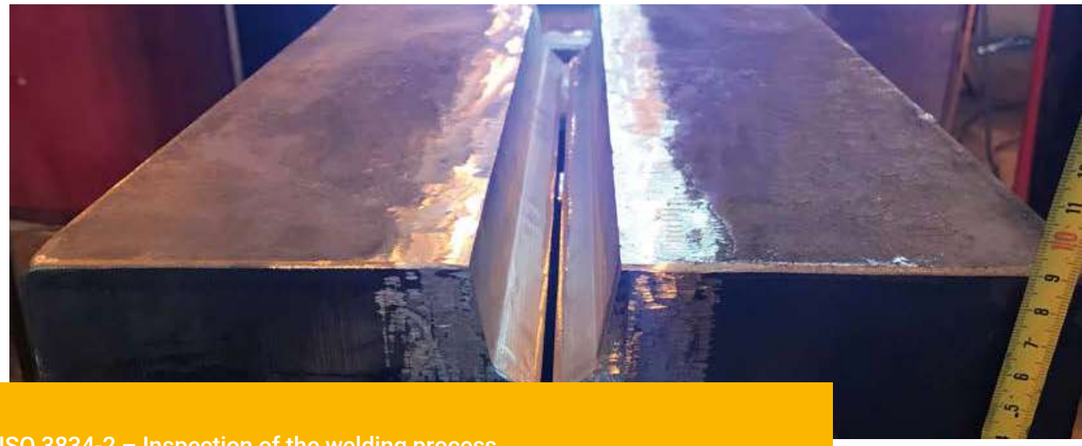
WELDING

Over 200 qualified welding procedures (WPQR)

- According to ASME: IX: 1, 3, 4, 8, 42, 43, 51 and mixed joints.
- According to ISO 15680: 1, 3, 4, 5, 7, 8, 10, 11, 22, 23, 34, 43, 51 and mixed joints.

We ensure quality for each project through modern equipment, certified welders and proper welding supervision.

Numerous certificates of technology and welded joints approval confirm our ability to manufacture devices from a wide range of materials. Many of these involve connecting materials from various material groups, such as **the butt welding of carbon steel plates explosively titanium cladded**.



EN ISO 3834-2 – Inspection of the welding process

EN 1090-2 EXC3 – Welding Qualification Certificate

NDT TESTING

Polimer Laboratory provides services which involve the following testing methods:

- Radiographic testing (RT)
- Ultrasonic testing (UT)
- Ultrasonic Thickness Testing (UTT)
- Penetrant testing (PT)
- Magnetic particle testing (MT)
- Visual testing (VT)
- Hardness testing (HT)
- Positive material identification (PMI)
- Leak testing (LT)

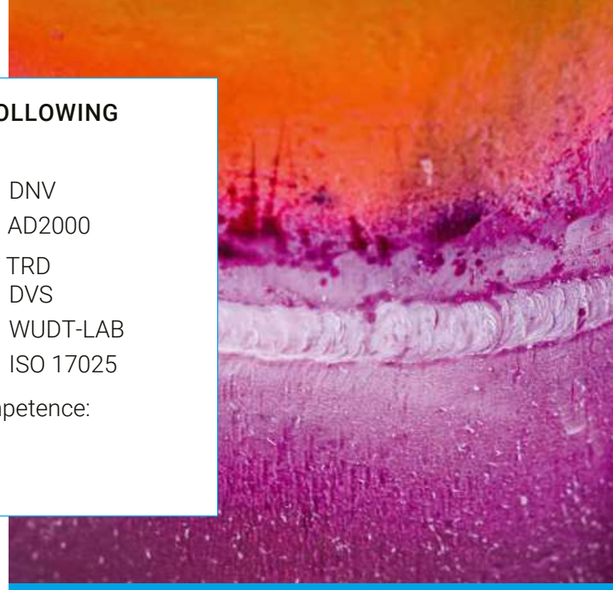
WE PROVIDE:

- Supervision and comprehensive non-destructive testing of industrial installations (pressure equipment, boilers, tanks, process piping, turbines, etc.):
  - during construction
  - during maintenance / technological / diagnostic shutdowns
  - on an active installation – also at high temperatures
- Supervision and comprehensive non-destructive testing of steel structures
- Diagnostic testing of equipment and structures during their manufacturing / prefabrication
- Testing of materials: casts, forgings, plates, etc.
- Measurements of ovalisation and creep of pipelines
- Comprehensive NDT+DT tests of welded joints carried out as part of welder examination for authorisations as per PN-EN 9606-1
- Comprehensive NDT+DT tests of welded joints carried out as part of welding procedure qualification (WPS/WPQR) as per PN-EN ISO 15614.

WE MEET THE REQUIREMENTS OF THE FOLLOWING REGULATIONS:

PN EN 1090	DNV
PN EN ISO-15614	AD2000
ASME	TRD
PED	DVS
WUDT–UC–WO–W/11	WUDT-LAB
PN-EN ISO 9606-1	ISO 17025

Our testing personnel hold certificates of competence:
- level II and III acc. ASME BPVC
- level 2 and 3 acc. PN-EN ISO 9712



More information on www.lab.polimer.tech

WHAT SETS US APART:

Cooperation & support

We are available whenever you need us – every day of the week, at any time, in any place. You can always count on our advice and consultation. We are always here to answer your calls and respond to your emails rapidly. We want our clients to experience the comfort of having a reliable partner to cooperate with.

Comprehensive services

Several dozen experienced employees, a large vehicle fleet, extensive range of authorisations held by the personnel and the company, a wide range of tests and cutting-edge testing equipment allow us to comprehensively perform large orders at a short notice all over Poland.

Speed

We provide the results without undue delay. Our employees will give you comprehensive information before you receive the test reports.
We operate a Mobile Laboratory, a car with an RT lab, which allows us to develop images in the place of performing the test, at the client's location. This means that defects may be evaluated, and corrections introduced on the fly.

FINNED TUBES

We use our own technology for the production of mono and bimetallic finned and plate finned tubes.

This solution is particularly useful in places where high temperature precludes the use of extruded fins, and there is a need **to obtain a large heat transfer surface** in comparison to smooth pipes.

- Finned tubes with G-fin and L-fin
- Low-finned tubes
- Extruded finned tubes: monometallic and bimetallic
- Plate finned tubes
- Stud finned tubes

HEAT TREATMENT

We perform **post-weld heat treatment** (PWHT) **in our premises and in subcontracted electrical ovens**, to reduce residual stresses in material that occur after welding.

The work is performed by **qualified personnel authorized by the Office of Technical Inspection**. We use mobile 6-channel machines with a power of 40 kVA for resistance annealing, reaching operating temperatures up to 1,050 °C. The process is controlled by the operator and the **processing parameters are recorded using specialized software**.

METALWORKING

OUR OFFER:

- Individual laser cutting, bending and joining services for metals;
- Welding services;
- Comprehensive production services of any complex metal product, using various technologies and project support;
- Production for individual customers;
- Production for companies from a variety of industries, including construction, advertising, POS, machine, automotive and other sectors;
- Serial production with 100% reproducibility and individual production;
- Tests and prototypes on request.

LASER CUTTING OF SHEET METAL

Workspace (mm): 1500 x 3000

Cutting ranges (mm)

- carbon steel (including galvanised): 25 mm
- up to 25 stainless steel: 12 mm
- up to 12 aluminium: 10 mm

PRESS BRAKING OF SHEET METAL

We use press brakes with a pressure of up to 220 tons and a bending length of 3000 mm.

ANTI-CORROSION

We provide surface protection solutions using powder coating, wet coating, hot-dip and electro galvanisation.

OTHER METALWORKING SERVICES

The comprehensive production of finished components also includes: lathing, milling, drilling, threading, pressure welding, arc stud welding and riveting.

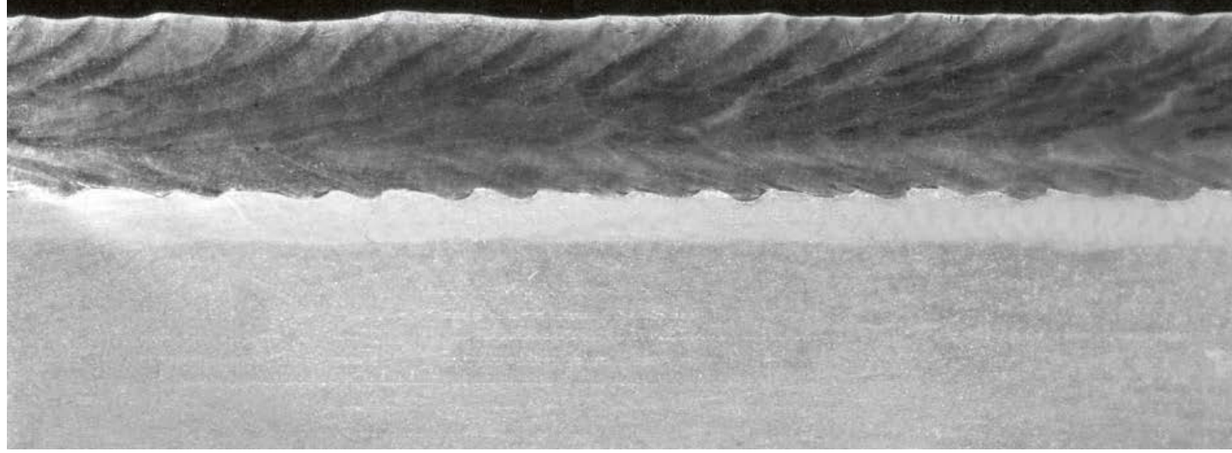
PIPE BENDING

We use approved EN and (W)UDT tube bending technologies. Our devices allow bending tubes with diameters from 10 mm to 80 mm with radius from 1.5D. After bending is completed, hardness tests, ultrasonic thickness tests, ovality checks, penetrant tests, leak tests and hydrostatic tests are performed.

ROLLING OF PLATES

We roll plates up to 28 mm thick and with a minimum inside diameter of 560 mm with a maximum width of 3,000 mm. Our plate rolling machines are numerically controlled and are capable of precise bending and rolling of cylinders and cones.

OTHER TECHNOLOGIES



CONSTRUCTION SOLUTIONS

- Thermal expansion compensation using gland, lens and bellows expansion joints
- High-flux tubing
- Superbolt tensioners
- Demisters
- Columns trays
- Grates and catalytic basket

ANTI-CORROSION

- Explosive cladding
- Weld overlay cladding
- Hot-fixed epoxy-phenolic coatings (e.g. Säkaphen)
- Aluminium cladding
- Rubberisation
- Pickling and passivation
- Sandblasting and anti-corrosion coating application
- Painting in industrial and offshore conditions (Class C5)

EXAMPLE PROJECTS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1. Acetic acid condenser
   Titanium – explosive cladding – helium tests
   2330 titanium tubes - 19 bar - 175°C - 23,060 kg
   Client: Refinery, Poland

2. Steam boiler: combustion chamber and sulphur condenser
   Claus process – thermal expansion compensation system
   EN 1.7335 - 22 bar - 350°C - 80,100 kg + 19,160 kg
   Client: Refinery, Poland

3. Secondary Waste Heat Boiler
   #90 mm - 1.5Cr-0.5Mo - 120 bar - 450°C - 43,350 kg
   Client: Nitrogénművek, Hungary

4. Nitrous gas separator
   Internal particle separation system
   EN 1.4306 - Ø2300 mm - 4.8 bar - 100°C - 6,000 kg
   Client: Zakłady Azotowe „Puławy", Poland

5. Boiler water tank
   CFD + FEA
   EN 1.0425 - 3,5 bar – 270°C - 13,000 kg
   Client: Zakłady Azotowe „Puławy", Poland

6. Manifolds for a steam reforming furnace
   Alloy 800, UNS N08810 - 815°C - 100,000 h
   Client: Anwil, Poland

7. Tube bundle for Babcock high pressure steam boiler

   - *l* ~ 25 647 mm - ø 2186 mm - 130 bar - 461°C - 39,300 kg
   - Collector and process tubes: 15-CD2-05.
   - Temperature exposed part protected with Alloy 600 covers.
   - Welded joint alignment not exceeding 1mm/1m.
   - Diameter controlled along the entire length with a ring.
   - Refractory lining in the dome and outer shell of the insert.
   - Chemical etching was performed.
   - 100% RT, PMI & PWHT.
   - Expansion joint.
   - Client: Zakłady Azotowe, Poland.

8. Boiler Feed Water Preheater
   Low-vanadium steels - 173 bar - 280°C – 15,600 kg
   Client: Hyundai Power Systems, South Korea

9. Light vacuum gas oil cooler
   Carbon steels - 2 pcs - 38.2 bar - 17,120 kg
   Client: Refinery, Poland

10. Natural gas preheater
    Alloy 601, UNS N06601 - 652°C – aluminizing
    Client: Refinery, Poland

11. Syngas water intercooler
    #90 - 186 bar – 193°C - 4 pcs - 10,200 kg
    Client: Zakłady Chemiczne „Police", Poland

EXAMPLE PROJECTS


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1. Sulphuric acid circulation tank
   Structures - foundations - pumps - pipes
   Client: Azoty Group, Poland

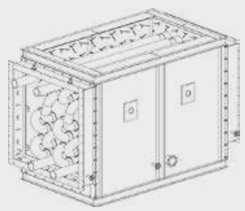
2. Column section
   Ø1,930+2,000 mm - Noram SX™ - 1,650+1,350 kg
   Client: Uralchem, Russia

3. Reactor feed heater
   API 660 - #40 mm - 69,2 bar - 400°C - 27,104 kg
   SA–387 Gr. 12 - SA–182 Gr. F12 - 13CrMo4-5
   Client: Refinery, Poland

4. Syngas water coolers – tube bundles
   EN 1.4462 (Dulpex) - 449 bar - 2 szt. x 5,600 kg
   Client: Zakłady Azotowe „Puławy", Poland

5. Nitrogen air cooler
   Modernization project up to 26,000 Nm3/h
   Client: Air Liquide, Poland

6. Gas scrubber
   EPC - piping - platforms - 3D scan - API 751
   UNS N04400 - SA516 Gr. 70 - 34 600 kg
   Client: Refinery, Poland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7. Oven convection box
   EN 1.7335 - tubes Ø168,3×11 - 42 bar - 17,200 kg
   Insulating concrete lining 1100 °C
   Client: Refinery, Poland

8. Vessel for filter with external coil
   Hastelloy C276 - plating TP321/347
   Client: Refinery, Poland

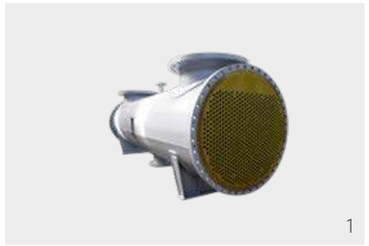
9. Process gas cooler
   I ~15,620 - ø1708×74 - 460°C - 93 bar - 67 950 kg
   EPC - foundations, dismantling/assembly, valves
   Client: Zakłady Azotowe „Kędzierzyn", Poland

10. Fuel skid for burner and main ignition
    AKPiA - prefabrication - UDT/CLDT approvals
    Client: Hyundai Heavy Industries Power Systems

11. Reactor for rosin disproportionation
    Alloy C22 – 320°C – 6 bar - 3,240 kg
    Client: Synthos, Poland

12. Amonia Oxidation catalyst bed support
    INCONEL 601H - ø5,000 mm + ø3,700 mm
    The grate is composed of segments
    Client: Zakłady Azotowe „Kędzierzyn", Poland

EXAMPLE PROJECTS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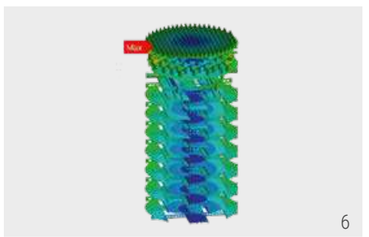

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1. Toluene condenser – middle part
   ø982 mm - 6,850 kg - AD 2000 - phenol coatings
   Client: Refinery, Poland

2. Process gas cooler
   Titanium - cladded tubesheets - 1,950 kg
   Client: Refinery, Poland

3. Neutralisation vapour condenser
   EN 1.4462 (Duplex) - 2/-1 bar - 160°C - 19,100 kg
   Client: Zakłady Azotowe "Puławy", Poland

4. Compressor cooler – tube bundle
   copper lamella fins made with our own technology
   Client: Kompania Węglowa, Poland

5. Syngas water cooler
   EN 1.4462 (Duplex) - 360 bar - 100°C - 5 szt. x 7,615 kg
   Client: Zakłady Azotowe "Puławy", Poland

6. Expertise and determination of the causes of column vibrations
   FEA - CFD - static structural - modal
   analysis of the correctness for the foundation
   Client: Refinery, Poland

7. Air coolers for steam - 9 szt.
   ASME VIII Div.1 - extruded fins- 22,9 bar - 130°C
   6 szt. x 6,500 kg, 1 szt. x 5,500 kg, 2,100 kg, 5,300 kg
   Client: Warri Refining and Petrochemical Company, Nigeria

8. Autoclave
   Carbon steels - 8/-1 bar - 175°C - 9,000 kg
   Full mechanics and a hydraulic control system
   Client: Hannecard, Poland

9. Electric nitrogen heater
   400 kW - 750 kg
   Client: AirLiquide, Poland

ASSEMBLY

We work on a turnkey basis, assembling individual devices and entire installations, both at the construction stage and during operation.

We provide logistics from our own workshop, subcontractors' and customer's warehouses, including oversized loads.

COMPREHENSIVE SERVICES

To maintain consistency with the existing infrastructure, we utilize geodetic measurements, 3D laser scans of installations, and perform construction works: foundations, fire protection, insulation, scaffolding.

We guarantee proper execution of the contract by independently managing key processes during assembly.

We continue to invest in the flexibility and qualifications of our production facilities. We perform the necessary processes on site, including coordination of work, welding, post-weld heat treatment, measurements, expert opinions and non-destructive testing according to applicable standards and guidelines along with appropriate documentation.

The work is performed by our own team of specialists in the assembly and commissioning of installations with the support of engineering and technical staff.

We provide after-sales care upon the completion of the installation construction process, including service and repairs.

SERVICE

Engineering centre for the design, production and maintenance of pressure equipment.

A plant authorized by the Office of Technical Inspection for the manufacturing, repair and modernization of pressure equipment components. We ensure compliance with standards, regulations and requirements.

WE PROVIDE

- Comprehensive services
- Preparation of devices for UDT inspection
- Framework agreements for servicing devices in accordance with the UDT requirements
- Implementation of post-audit recommendations
- Service works before and after UDT acceptance

During the execution of the order, we comply with internal company regulations in the field of occupational health and safety, fire protection and environmental protection, which are in any way related to the work performed.

COOPERATION AND SUPORT

TECHNICAL SUPPORT

We have the knowledge, experience, skills, technical facilities, and a wide array of authorisations and technologies that allow us to find a variety of solutions considering the whole process, technical and economic context.

We design from scratch and manufacture devices which achieve the desired process objectives and also offer all kinds of **modernisations and optimisations,** such as:

- Reducing the dimensions of equipment while maintaining its performance characteristics
- Achieving better performance while maintaining the same dimensions
- Achieving a higher corrosion resistance and longer product life
- Reducing the cost of the device while maintaining its performance and useful life
- Selecting the materials to the operating medium and working conditions
- Improving a specific parameter of the device with a predetermined budget

In addition, we can manufacture equipment on the basis of our designs updating the documentation received from the client for compliance with the latest regulations or updating materials.

We can also manufacture equipment as per the documentation provided by the client. In such cases we thoroughly verify the received design documents before manufacturing.

We can train your personnel in how to operate our equipment and offer all kinds of after-sales support.

Feel free to consult anything with us.

INTERNATIONAL BUSINESS

Polimer has long-standing experience in working with international partners.

Our personnel have a good command of the English language. If needed, we provide interpreters for other languages (for example during conference calls).

We have experience in carrying out a large variety of international contracts along with the relevant bank guarantees, letters of credit, etc.

We ensure compliance with the legal regulations and economic standards in force in a given country.

We deal with international marine, road, rail and air transport on a daily basis.

We provide cross-cultural training programmes for our employees.

RECOMMENDATIONS

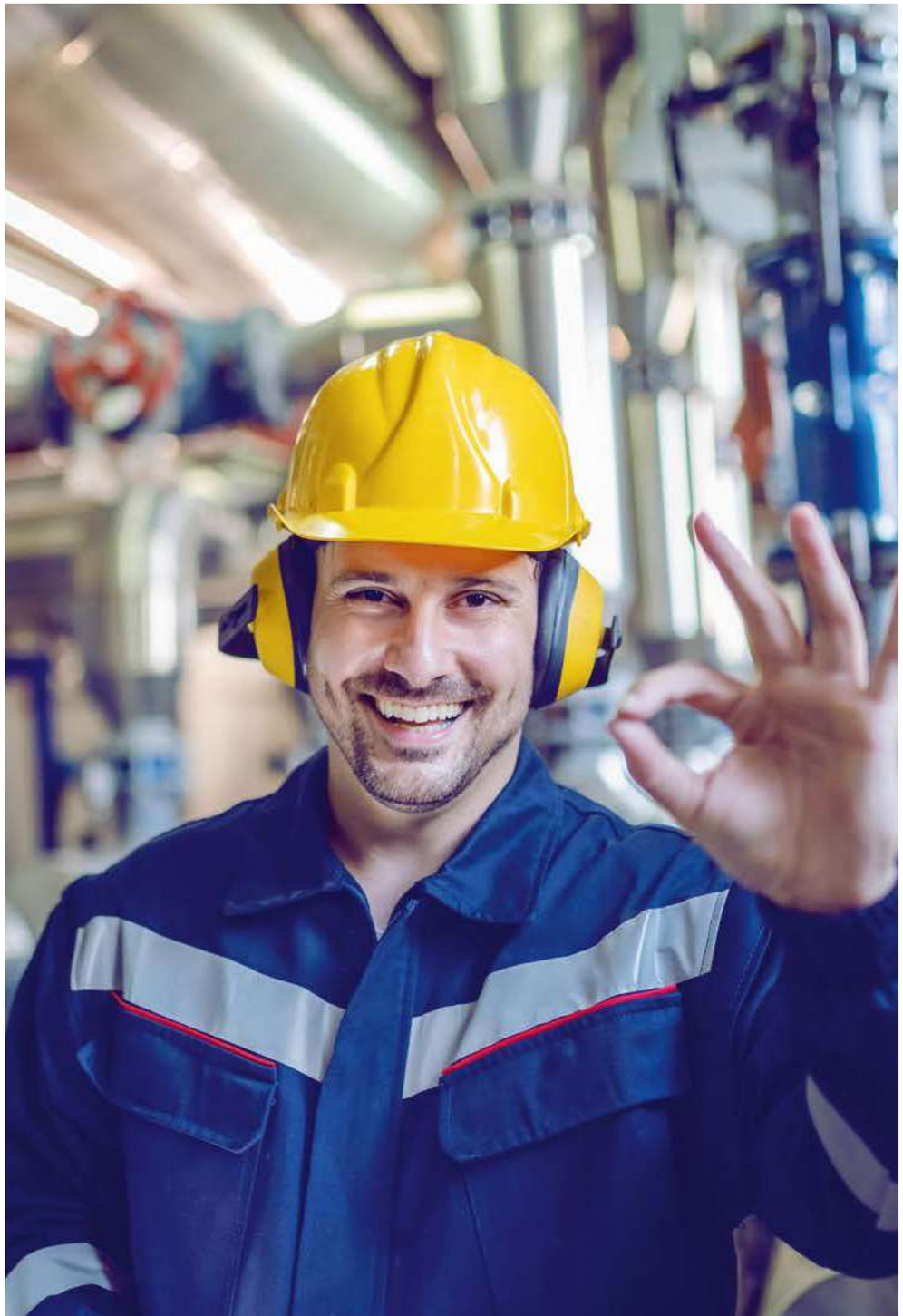
"We would like to thank you for your cooperation and emphasize the effective and reliable flow of information that allows to fully understand each other at the right time".
Hyundai Power Systems (South Korea)

"I specially want to mention the quality of welding done by welders was quite exceptional. Well done team Polimer!".
Fatima Fertilizer Company Limited (Pakistan)

"The loading station is characterised by high quality, innovative technical solutions and the installed facilities meet high standard".
Zakłady Azotowe „Puławy" S.A. (Poland)

"Polimer Grzegorz Grzesik stands out among other companies providing competitive prices and high build quality as it gives you the confidence that you are in good hands at all project stages, and that you are dealing with a thoroughly professional team. I highly recommend this company".
NITROGÉNMŰVEK Zrt. (Hungary)

"In performing the order, Polimer company displayed experience, innovation, excellent organisation and workmanship. The company's important asset is its effective cooperation with the client".
Synthos Dwory 7 Sp. z o.o. (Poland)



"The stuff of Polimer was very knowledgeable, professional, co-operative, replied to any of our request immediately and offered solutions to any of our demands".
ENTEGA Abwasserreinigung GmbH & Co KG (Germany)

"The stuff of Polimer was very knowledgeable, professional, co-operative, replied to any of our request immediately and offered solutions to any of our demands".
Ergon S.A. (Greece)

"Polimer Grzegorz Grzesik, a company with a highly qualified and dedicated workforce, performed all tasks entrusted to it in time, while maintaining the highest standards of quality, which is proof of the company's top standards of professional care".
Air Liquide Polska Sp. z o.o. (Poland)

„We recommend Polimer as a reliable supplier of pressure devices".
Hannecard Polska Sp. z o.o. (Poland)

„The construction of the new device was performed in accordance with the agreed schedule, and all disassembly and assembly works were carried out on time."
Zakłady Azotowe „Kędzierzyn" S. A. (Poland)

„We recommend Polimer as a partner that is both innovative and reliable".
Grupa LOTOS S.A. (Poland)

CERTIFICATES

Every product we manufacture complies with stringent quality requirements, the relevant national regulations and major international standards. Polimer's international certificates showcase the level of our qualifications and governance. In addition to these certificates, our design and manufacturing procedures for pressure equipment are verified whenever necessary as per the Pressure Equipment Directive 2014/68/EU.

CERTIFICATIONS AND AUTHORISATIONS:

ASME U - Certificate of Authorization for the manufacture of pressure vessels in accordance with the ASME Boiler and Pressure Vessel Code Section VIII Division 1.

ASME U2 - Certificate of Authorization for the manufacture of pressure vessels in accordance with the ASME Boiler and Pressure Vessel Code Section VIII Division 2.

PED 2014/68/UE ANNEX I - Confirmation the manufacturer has proper competence to perform weld joints acording Pressure Equipment Directive 2014/68/UE.

UDT MODERNIZACJE / MODERNISATIONS - Authorisation to perform modernisations of steam boilers, water boilers and fixed pressure vessels issued by the Polish Office of Technical Inspection.

UDT NAPRAWY / REPAIRS - Authorisation to perform modernisations of steam boilers, water boilers and fixed pressure vessels issued by the Polish Office of Technical Inspection.

UDT WYTWARZANIE / MANUFACTURING - Authorisation to manufacture pressure and non-pressure equipment issued by the Polish Office of Technical Inspection.

UDT LABORATORY - Laboratory approval certificate for laboratory testing issued by the Polish Office of Technical Inspection.

ASME NDE - Qualification and certification of nondestructive examination personnel in accordance with ASME BPVC.

ISO 9001 - Quality Management Systems Certification.

ISO 14001 / ISO 45001 - Environmental Management Systems Certification
Occupational Health and Safety Management Systems Certification.

EN ISO 3834-2 - Inspection of welding process.

EN 1090-1 EXC3 - Factory Production Control.

EN 1090-1 EXC3 - Welding Certificate.

EN 764-5 - System of Transferring the Marking of Materials.

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