



MEMBER OF THE  
CONCERN  
ACHEMA GROUP



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# 1

# ABOUT IREMAS

UAB IREMAS was founded in **1998** after the reorganization of AB ACHEMA repair services. However, roots of the company reach deeper: we have been operating as AB ACHEMA service department till 1998. Over these years, we have gained a broad experience by constructing and repairing equipment of the one of the largest chemical factory in Lithuania. For over 20 years we independently provide services to largest Lithuanian industry companies: AB ORLEN LIETUVA, AB ACHEMA, AB KLASCO.

UAB IREMAS is owned by the one of the largest Lithuanian concerns ACHEMA GROUP.

In July 1st, 2003, the company has completed its reorganization. The former independent companies: UAB LETENERGA, UAB ELETESTA became part of UAB IREMAS – it's branch Letenerga, and

UAB METALŲ BANDYMO LABORATORIJA has turned into a division of UAB IREMAS – Metal testing laboratory.

In June 4th, 2007, the Panevezys branch was registered in the Register of legal entities. Its main activity is manufacturing of non-standard equipment.

In May 25th, 2015, the branch PROJEKTŲ CENTRAS was registered in the Register of legal entities. Its main activities are design and technical supervision.

UAB IREMAS is one of the largest metal processing, manufacturing, erection, repair, design and maintenance service providers in Lithuania. At the moment the company has more than 550 employees. Over long the years of operation, the company has trained and concentrated qualified,

technically educated employees, enabling the delivery of quality services. In 2009, the company has implemented an integrated quality, environmental, occupational safety and health management system in accordance with requirements of **ISO 9001**, **ISO 14001** and **OHSAS 18001** in order to ensure the quality of products and services, ecologically clean environment, as well as, safe and healthy working environment.

Considering the many years of experience, today we are one of the strongest and most reliable companies providing industrial equipment erection and repair services in the Republic of Lithuania.

For all activities, the company has qualified staff, equipment, technologies, as well as the necessary permits and licenses.





## **Our MISSION**

– to ensure the highest possible quality of provided services, while preserving the surrounding environment and providing safe and healthy working conditions.



## **Our VISION**

– to be an open, honest and innovative partner for employees and customers.

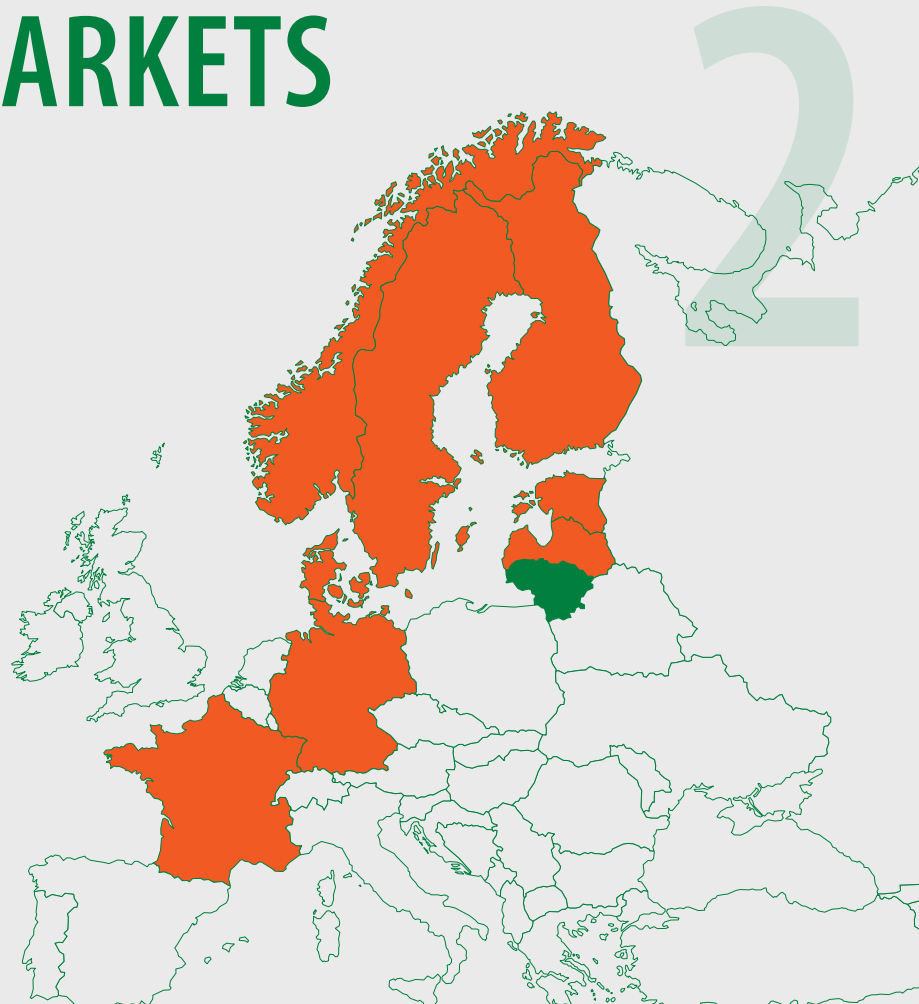
# MARKETS

Lithuania: 80 %



Export: 20 %

Main export markets:  
Denmark, Norway, France,  
Finland, Sweden, Germany



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# ACTIVITY AREAS



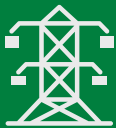
**I. Repair, maintenance and installation of industrial plants**



**II. Metal processing, custom production**



**III. Port cargo handling equipment repair, maintenance and installation**



**IV. Repair, maintenance and installation of electrical equipment**



**V. Engineering design**



**VI. Destructive / non-destructive testing, supervision of welding work**



# I. REPAIR, MAINTENANCE AND INSTALLATION OF INDUSTRIAL PLANTS

## Mechanical repair department (MRD)

**Metal works according to customer's  
drawings:**

- turnery
- milling
- shaping
- drilling
- polishing
- tooth milling and shaping
- rolling of profiles



## **Welding works of wide range of steels and mechanical processing metals:**

- covered-electrode arc welding
- fusible electrode arc welding in active gas
- wolfram electrode arc welding in inert gas

## **Thermal and thermochemical processing in chamber and shaft furnaces of length up to 2000 mm:**

- tempering
- carbonisation
- nitriding

## **Thermal processing of parts with high frequency currents**

## **Chromium plating of parts with length up to 2000 mm**

## **MRD produces:**

- pressure vessels
- different parts and assemblies for industrial equipment (pumps, compressors, turbines, etc.)
- building metal structures
- assemblies for industrial equipment
- heat exchangers
- sliding bearings (with babbitt)
- tooth-wheels
- piping fittings

## **MRD repair:**

- pipelines
- lifting equipment (autocranes, forklifts, forest machinery)
- pressure vessels
- heat exchangers
- boilers
- industrial equipment
- sliding bearing (including babbitt cover);
- railway vehicles and their assemblies
- pipeline valves (shut-off valves, vent valves, safety and control valves with pressure up to 320 bar)

# Machines repair shop (MRS)

## **MRS provides following services:**

- repair of dynamic equipment from routine repairs to complex overhauls
- balancing of various equipment

## **MRS installs and repairs:**

- piston and centrifugal compressors
- steam and gas turbines, air blowers, chimney-stacks, detanders
- gears and speed increasers
- various pumps
- fans

# Equipment and pipelines repair shop (EPRS)

## **EPRS performs:**

- repair of pipelines, vessels, tanks, process equipment
- production of metal structures of various purpose

## **EPRS installs and repairs:**

- pressure pipelines, vessels, water supply, heat supply, gas supply, sewage pipelines, tanks and pipelines for oil products of various purpose and complexity
- lifting-transportation machinery
- steam and water heating boilers
- industrial and domestic refrigeration equipment
- steel structures for buildings, structures and processes of various purpose and scope

## II. METAL PROCESSING, CUSTOM PRODUCTION

**Metal processing, equipment manufacturing divisions  
are located in Jonava and Panevezys:**

| Information on divisions                      | Jonava  | Panevezys |
|---|---------|-----------|
| Size of production facilities, m <sup>2</sup> | 9.000   | 3.000     |
| Lifting equipment, t                          | Max. 20 | Max. 15   |
| Number of employees                           | 100     | 40        |
| Welding, mechanical processing, assembly      | Yes     | Yes       |
| Shotblasting, wet painting                    | Yes     | Yes       |
| Thermal processing, hardening                 | Yes     | No        |

# MECHANICAL PROCESSING CAPABILITIES

| Item | Processing equipment / performed works      | Max dimensions of products, mm |
|------|---|--------------------------------|
| 1.   | Plasma/gas cutting                          | 18000×2100×150                 |
| 2.   | Vertical axis CNC mechanical processing     | 4200×1800×800                  |
| 3.   | 5-axes horizontal CNC mechanical processing | 2000×1800×1400                 |
| 4.   | Turning                                     | 1230×6000                      |
| 5.   | Round polishing                             | 400×1500                       |
| 6.   | Flat polishing                              | 1000×400×350                   |
| 7.   | Internal polishing                          | 250×300                        |
| 8.   | Thermal processing                          | Up to 2000                     |
| 9.   | Shotblasting of products                    | 12000×6000×4500                |
| 10.  | Welding of carbon and stainless steel       | Unlimited                      |
| 11.  | Rolling                                     | 2000×16                        |
| 12.  | Cutting                                     | 3000×15                        |
| 13.  | Bending                                     | 4000×10                        |
| 14.  | Wet painting                                | 650 m <sup>2</sup>             |
| 15.  | Assembling                                  | 20000×10000×4500               |

# III. PORT CARGO HANDLING EQUIPMENT REPAIR, MAINTENANCE AND INSTALLATION – KLAIPEDA BRANCH

**The branch office is established in the territory of company AB “Klaipėdos jūrų krovinių kompanija” (Klaipeda Stevedoring Company). It performs the following services on its own or together with other divisions of UAB “IREMAS”:**

- repair and maintenance of lifting equipment (gantry and other cranes, loader trucks, trailer trucks, etc.)
- manufacturing of metal structures and their parts
- processing and coating of metals
- installation of equipment
- repair, maintenance and diagnostics of internal combustion engines
- repair, maintenance and diagnostics of fuel equipment
- repair of pumps and compressors
- maintenance and repair of ships
- repair of auxiliary fleet of the seaport
- repair and maintenance of agricultural machinery, road vehicles

# IV. REPAIR, MAINTENANCE AND INSTALLATION OF ELECTRICAL EQUIPMENT – BRANCH “LETENERGA”

## **Production facilities:**

- width – 36,54 m, height – 15 m, length – 96 m, area – 3 508 m<sup>2</sup>
- Facility is equipped by the overhead crane of lifting capacity 5 t, and max lifting height – 10 m

## **Installs:**

- electrical network and equipment up to 35 kV
- electrical utilities for buildings
- process control and automation systems
- remote communication utility systems for buildings
- security and fire protection utility systems for buildings

## **Repairs:**

- 0.4–10–110 kV electrical distribution equipment
- 6 – 10 kV switches
- 0,4 kV circuit breakers
- low voltage and high voltage motors and generators up to 50 MW
- low voltage and high voltage cables up to 35 kV
- welding equipment
- ex-proof electrical equipment

## **Electrochemical laboratory performs:**

- testing, commissioning, installation, maintenance of electrical equipment up to 110 kV
- determination of fault location in a cable route
- testing of switches and circuit breakers with high currents (up to 21900 A)
- testing of dielectric protection means
- measuring of insulation earthing loop resistance and transition resistance

# V. ENGINEERING DESIGN – BRANCH PROJEKTŲ CENTRAS

Branch **PROJEKTŲ CENTRAS** is one of most mature engineering design and consultancy companies in Lithuania, offering full package of engineering services and certified specialists, long-life experience gained by providing projects to largest Lithuanian and foreign Customers in areas of waste-to-energy, fertilizers, polymer industries, logistics, etc. **Main activities:**

## **Engineering design:**

- design of residential and public building, industrial, energetic facilities and engineering utilities networks
- preparation of mandatory project documents, projects approval with approval subjects
- preparation of design documents for reconstruction and repair operations
- design of nonstandard equipment
- design of nonstandard equipment
- project supervision

## **Engineering consultations:**

- consultation of Customers to specify needs and formalize project targets, organize procurement, representation in negotiations with contractors, suppliers, designers, consultancy in preparation of project budget, evaluation of project feasibility

## **Localisation:**

- translation of technical texts in 32 languages – design documentation, drawings, manuals, patents, etc.
- localisation of design documentation
- preparation of equipment technical certificates in various languages



# VI. DESTRUCTIVE / NON-DESTRUCTIVE TESTING, SUPERVISION OF WELDING WORK – METAL TESTING LABORATORY (MTL)

Metal testing laboratory has a **quality management system** applied in organization and execution of destructive and non destructive tests and inspections of welds, parent metal and joints of potentially dangerous equipment with required competence and possibility to provide technically substantiated results of tests and inspections.



Laboratory is accredited by the National accreditation office, its activity meets the requirements of the code **LST EN ISO/IEC 17025:2006** – “General requirements for the competence of testing and calibration laboratories”.

**MTL staff is certified according to the requirements of EN 473.** Employees have certificates for different areas (VT, PT, MT, RT, UT), II- and III-level radiographic method, with a record of **pressure equipment directive PED 97/23/EC**. Supervision and consultation for welding work is performed by specialists having **IWE and EWE diplomas**.

## Metal Testing Laboratory performs:

- Evaluation of welds using methods of non-destructive visual test (VT), penetrant-dye testing (PT), magnetic test (MT), radiographic test (RT) and ultrasonic test (UT)
- Evaluation of quality of various metal products using non-destructive tests VT, PT, MT, RT, UT
- Tests for determination of mechanical properties of metal materials and welds (strength, yield, plasticity values, bending tests and determination of impact tensility), as well as metallographic investigations
- Measuring of thickness and hardness of pressure vessels, pipelines metal structures (HB, HV, HRA, HRB, HRC)
- Measuring of ferrite quantity in metal materials and welds
- Determination of metal chemical composition using optical-emission analysis method
- Determination of spring strength characteristics
- Consultation on welding issues for various welding methods, weldability of materials
- Preparation of welding procedure specifications (WPS)
- Preparation and analysis of welding documentation
- Thermal processing of welds



# LICENSES AND CERTIFICATES

## In 2009, integrated management system was established in the company, including quality and EHS management systems:

- quality management system certificate according to **ISO 9001**
- environment management system certificate according to **ISO 14001**
- EHS management system certificate according to **OHSAS 18001**

## Welding works:

- certificate of welding works quality management system according to **ISO 3834-2**
- certificate of metal structures manufacturer's production control according to **EN 1090-2**
- certificate of manufacture of pressure pipelines according to the module **A2 of PED214/68 EU**

## Certificates of the state energy inspectorate:

- operation of heat equipment and turbines
- operation of electrical equipment
- operation of natural gas equipment
- operation of petroleum and petroleum products equipment
- installation of electrical equipment

## Qualification certificates of Building Products Certification Centre (SPSC):

- building of structures
- design of part of a structure and building of a structure

## Certificates of the State Railway Inspectorate under the Ministry of Transport

## Permanent licences for maintenance of potentially dangerous equipment

## Licence of the Radiation Protection Center

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# CLIENTS / PARTNERS



**LATVIJAS FINIERIS**

**AKCIJU SABIEDRĪBA**



**KLASCO**  
KONCERNO „ACHEMOS GRUPĒ” NARĒ



**LINPRA**



**ACHEMA**  
KONCERNO „ACHEMOS GRUPĒ” NARĒ

**DIEFFENBACHER**



**Steinmüller  
Babcock  
Environment**

SBENG

NIPPON STEEL & SUMIKIN ENGINEERING GROUP



**EUROCHEM**  
LIFOSA

# 6 EXECUTED / ONGOING PROJECTS

**Project:** Vilnius combined heat and power WtE plant

**Customer:** Steinmüller Babcock Environment GmbH

**Project location:** Vilnius, Lithuania

**Project implementation:** 2019–2020

**Project description:** Fabrication and installation of various pipelines (ca. 20.000 “weld-inches”). Fabrication and installation of supports (ca. 20 tons)

**Completed works:** Design  
Fabrication and installation of prefabricated pipelines  
Non-destructive testing and pressure testing of pipelines, handover to certifying body  
Fabrication and installation of supports





**Project:** Kaunas combined heat and power WtE plant

**Customer:** LAB SA

**Project location:** Kaunas, Lithuania

**Project implementation:** 2019–2020

**Project description:** Fabrication and installation of metal structures (270 tons), installation of equipment (380 tons)

**Completed works:** Design, installation of electrical and automation equipment, commissioning  
Fabrication of metal structures  
Installation of metal structures  
Installation of equipment





**Project:** Fabrication and installation of pipelines, pressure testing, NDT

**Customer:** LAB SA

**Project location:** Copenhagen, Denmark

**Project implementation:** 2019

**Project description:** Supply, fabrication and installation of water heating and supply.  
Temperature 260°C, pressure 250 Bar.

**Completed works:** Supply of pipelines and fittings  
Fabrication and installation of prefabricated pipelines (ca. 4500 "weld-inches")  
Non-destructive testing and pressure testing of pipelines,  
handover to certifying body  
Fabrication and installation of supports





**Project:** Maintenance and repair of petroleum refinery plant

**Customer:** AB "ORLEN Lietuva"

**Project location:** Mažeikiai, Lithuania

**Project implementation:** Ongoing

**Project description:** Maintenance and repair of petroleum refinery plant

**Completed works:** Repair and maintenance of process equipment, pipelines, etc.



**Project:** Maintenance and repair of fertilizer plant

**Customer:** AB "Achema"

**Project location:** Jonava, Lithuania

**Project implementation:** Ongoing

**Project description:** Maintenance and repair of fertilizer plant

**Completed works:** Repair and maintenance of process equipment, pipelines, etc.  
Repair and maintenance of electrical equipment



**Project:** Formalin plant

**Customer:** AB "Achema"

**Project location:** Jonava, Lithuania

**Project implementation:** 2016–2018

**Project description:** Formalin (concentration 37 %) production capacity 100 000 t/year  
Upgrade of formalin storage 1,800 m<sup>3</sup>  
Installation of storage of formaldehyde resins 1,000 m<sup>3</sup>

**Completed works:** Basic design  
Detailed design  
Project implementation supervision  
Fabrication of process equipment, installation and commissioning  
Fabrication and installation of metal structures (300 tons)  
Installation and commissioning of electrical equipment



**Project:** PET production line project NEO-3

**Builder:** UAB "NEO GROUP"

**Project location:** Klaipėda, Lithuania

**Project implementation:** 2016–2018

**Project description:** PET production line project NEO-3

**Completed works:** Basic and detailed design  
Process equipment installation and commissioning  
Total weight installed equipment: 700 tons.  
Transportation of 4 pcs. of reactors from Klaipėda port, and installation onsite: 290 tons



**Project:** *Grande Parioisse Nitric acid plant*

**Customer:** AB "Achema"

**Project location:** Jonava, Lithuania

**Project implementation:** 2012–2015

**Project description:** Nitric acid plant capacity 800 t/day

**Completed works:**

- Basic design
- Detail design
- Design implementation supervision
- Production of process equipment, installation and commissioning
- Installation and commissioning of air compressor, turbine of waste and nitrous gases
- Manufacture and erection of metal structures
- Installation and commissioning of electrical equipment



**Project:** Expansion of oil products terminal

**Customer:** UAB "Instatum"

**Project location:** Jonava, Lithuania

**Project implementation:** 2014–2015

**Project description:** Oil products tanks 20 000 m<sup>3</sup>  
Pump station for oil products loading to tank-cars  
Car loading rack  
Railway loading rack

**Completed works:** General contractor functions  
Production of process equipment, installation and commissioning  
Manufacture and erection of metal structures  
Installation and commissioning of electrical equipment



**Project:** Biofuel and steam boiler house

**Customer:** UAB "Kauno Energetikos remontas"

**Owner:** AB "Lietuvos Energijos gamyba"

**Project location:** Elektrėnai, Lithuania

**Project implementation:** 2013–2015

**Project description:** Biofuel boilers 2\*20 MW  
Steam boilers 3\*16.5 MW  
Biofuel storage with biofuel transport systems  
Condensation economizers  
Flue gas electrostatic filters  
All auxiliary boiler house systems

**Completed works:** Basic design  
Detail design  
Design implementation supervision



**Project:** Bulk fertiliser storage

**Customer:** AB "Klasco"

**Project location:** Klaipėda, Lithuania

**Project implementation:** 2012–2014

**Project description:** Capacity 80.000 t of bulk fertiliser  
1.800 t/h railway unloading station  
1.500 t/h ship loading system  
Transporter system length more than 2000 m

**Completed works:** Basic design  
Detail design  
Design implementation supervision  
Production of process equipment, installation and commissioning  
Manufacture and erection of metal structures  
Installation and commissioning of electrical equipment





**Project:** Passenger and cargo terminal

**Customer:** UAB "Centrinis Klaipėdos terminalas"

**Project location:** Klaipėda, Lithuania

**Project implementation:** 2011–2014

**Project description:** 250 000 annual passenger flow, 200 000 annual cargo flow  
100 000–180 000 pcs. annual light vehicles flow  
150 000–220 000 pcs. annual light vehicles flow  
230 000 t annual railway cargo flow  
Up to 9 pcs. berthed ships in 24 h

**Completed works:** Basic and detail design; design implementation supervision  
Installation and commissioning of electrical equipment

**Customer:** *Grande Paroisse nitric acid plant*  
**Project location:** ROMAT  
**Project implementation:** Romania  
**Project description:** 2011–2012  
**Completed works:** Nitric acid plant capacity 800 t/day  
**Atlikti darbai:** Design of demolishment of the plant  
Plant labelling, demolishment  
and transportation to Lithuania

**Project:** **Steel Stack**  
**Customer:** NUKEM Technologies  
**Owner:** SE Visaginas Nuclear power station  
**Project location:** Visaginas, Lithuania  
**Project implementation:** 2011–2012  
**Project description:** 30 m height steel stack, diameter 1200 mm  
**Completed works:** Detailed design  
Steel stack manufacturing and erection



**Project:** Biofuel and waste incineration plant

**Customer:** UAB "AF-Consult"

**Owner:** UAB "Fortum Klaipėda"

**Project location:** Klaipėda, Lithuania

**Project implementation:** 2010–2012

**Project description:** 85 MW fluidised bed boiler; 20 MWe steam turbine  
Plant produces 63 MWth of thermal power (with condensation economizer)  
and 17 MWe of electrical power

**Completed works:** Basic design; Detail design; Design implementation supervision

**Project:** Cogeneration power plant No. 2

**Customer:** AB "Achema"

**Project location:** Jonava, Lithuania

**Project implementation:** 2007–2009

**Project description:** Thermal power 62 MW  
Electrical power 41 MWe

**Completed works:** Basic design  
Detail design  
Design implementation supervision  
Installation and commissioning of process equipment  
Manufacture and erection of metal structures  
Installation and commissioning of electrical equipment





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