Main Businesses

Quality Assurance

Achievements

- Thermal
- Electrical
- Hydro
- Manufacture of power equipment
Main Businesses

Erection and repair works of industrial equipment and installations, thermal, hydro, nuclear, wind and photovoltaic power plants, low, medium and high voltage electrical installations, in Romania and abroad.
Mechanical equipment

ENERGOMONTAJ S.A. performs erection, repair, maintenance or rehabilitation activities and also special corrosion protection works for mechanical equipment and pipe or duct lines necessary for producing electric and thermal power and also for other processing industries.
Our tradition regarding electrical and automation installations is based on the decades of activity in the execution and commissioning (“turn key” delivery) of electric power plants in our country as sole experts. Erection works for electric and automation equipment, for control systems (turn-key works for transfer stations and power circuits) and execution works of electric and automation installations for various industrial branches, telecommunications (including optical fiber networks), computers (industrial applications), air conditioning and ventilation installations;

- **Electrical equipment and regulating systems**

  Our tradition regarding electrical and automation installations is based on the decades of activity in the execution and commissioning (“turn key” delivery) of electric power plants in our country as sole experts. Erection works for electric and automation equipment, for control systems (turn-key works for transfer stations and power circuits) and execution works of electric and automation installations for various industrial branches, telecommunications (including optical fiber networks), computers (industrial applications), air conditioning and ventilation installations;

- **Manufacture of power equipment and spar parts**

  We deliver on demand mechanical equipment and special accessories within the country and abroad, as: subassemblies for steam and boiling water generators, electrostatic precipitators, bag filters, silos, pressure vessels, steel structures, industrial halls, desulphurization installations, boiler parts, heat exchanger, industrial halls aso.
Main Businesses

- Erection works for cement mills;
- **Sanitary, heating and conditioned air plants works**;
- Design, manufacturing, mounting/dismantling, maintenance, repair works, components including steel structures and installations for land reclamation, potentially explosive environments, surveillance systems, as well as for urban works (water supply, sewerage, water and waste water treatment systems, gas and district heating networks); industrial gas treatment installations, thermal power transportation installations, lighting, telephony, control and automation for civil and industrial works.
- **Sales activity**: by own Supply and Sales Branch we market materials and various equipment by retail or direct sale.
Foreign trade activity

We are able to carry on export activities both for the mechanical equipment manufactured by our Company and using foreign partners projects and services. Through the agency of our partners, world known Companies, as: ALSTOM Power, FLS Miljo, SIEMENS, Kvaerner, the equipment manufactured by ENERGOMONTAJ S.A. was exported to Sweden, Norway, Italy, France, Germany, Netherlands, United Kingdom, Portugal, Turkey, United States, Peru, Chile, Thailand, United Arabian Emirates aso.

The export activities related to services, mechanical, electrical and automation erection works have been carried out in the same countries, either for completing the equipment delivery for "turn-key" contracts, or as independent activity.
ENERGOMONTAJ S.A.
Branches*

*ENERGOMONTAJ sites covering all over the country
TÜV THÜRINGEN
The Environmental Management System - EN ISO 14001:2004
The Occupational Health and Safety Management System - BS OHSAS 18001:2007

TÜV THÜRINGEN
The Information Security Management System
ISO/IEC 27001:2013

TÜV THÜRINGEN
certifies that ENERGOMONTAJ S.A. has established and applies a quality system
according to DIN EN ISO 3834-2
for construction products.

TÜV THÜRINGEN
certifies that ENERGOMONTAJ S.A. has established and applies a quality system according to
Directive 97/23/EC as well as according to AD2000 – Merkblatt HP o Abs. 3, DIN EN 12952-5:2012, DIN
for pressure equipment.
Quality Assurance

TÜV THÜRINGEN
Certificate of Conformity of the Factory Production Control (FPC)
Product: Structural Steel Components up to EXC 3 acc. to EN1090-2
Intended use: for structural use in all types of construction works
Production process: welding production with corrosion protection and mounting acc. to EN 1090-1:2012 standard.

C.N.C.A.N.
The National Commission for Nuclear Activities Control
authorizes the Quality Assurance System of ENERGOMONTAJ S.A.
related to erection and construction activities, manufacturing and related services for nuclear power plants.

I.S.C.I.R.
The State Inspectorate for the Control of Boilers, Pressure Vessels and Hoisting Equipment
authorizes ENERGOMONTAJ S.A. to perform design, manufacture, erection and repair activities related to: steam and boiling water generators; pressure vessels; steam and boiling water pipes; hoisting units. The laboratories of our Company are certified to perform any kind of destructive and non-destructive examination of materials and welds.

ASME - The American Society of Mechanical Engineers
Boiler and Pressure Vessel Code
Certificate no U159,503 - authorizes ENERGOMONTAJ S.A. to manufacture pressure vessels.
Certificate no S59,504 - authorizes ENERGOMONTAJ S.A. to manufacture and assembly power boilers.
Quality Assurance

MINISTRY OF NATIONAL DEFENCE
DEPARTMENT OF ARMAMENTS

certifies that ENERGOMONTAJ S.A. has established and applies a Quality Management System according to AQAP 2110 (NATO requirements for quality assurance in design, development and production)

M.A.I. – I.G.S.U.
NATIONAL CENTER FOR FIRE SECURITY AND CIVIL PROTECTION
authorizes ENERGOMONTAJ S.A. to perform installation and maintenance works related to fire limitation and firefighting systems (excepting of those containing specific fluorinated greenhouse gases), signaling and warning systems, in case of fire.

M.A.D.R.
MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT
authorizes ENERGOMONTAJ S.A. to carry out land reclamation activities for agriculture, to perform erection and construction works and installations, as well as for other supplying services for land reclamation.

INSEMEX GANEX
NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT IN MINE SAFETY AND PROTECTION TO EXPLOSION
authorizes ENERGOMONTAJ S.A. to perform erection activities, technical support and maintenance of equipment or technical installations for the erection activities in potentially explosive atmospheres.
REGULATORY AUTHORITY FOR ENERGY (A.N.R.E.)

authorizes ENERGOMONTAJ S.A.

- to perform EDS type natural gas distribution systems;
- to design PDS type natural gas distribution systems;
- to design PDI type natural gas utilization installations operating at a pressure not exceeding 6 bar;
- to perform, check and repair EDI type natural gas utilization installations operating at a pressure not exceeding 6 bar;
- to design C1B type overhead or underground power lines, operating at a voltage rating between 0.4 kV-100 kV and transformer substations operating at a high voltage rating not exceeding 20 kV;
- to design D1 type overhead and underground power lines operating between 110-400 kV;
- to design E1 type substations and electrical installations belonging to the electrical part of power stations;
- to test A type equipment and electrical installations;
- to design and perform B type inside / outside electrical installations necessary for enclosures, civil and industrial constructions, overhead and underground connecting line operating at a voltage rating of 0.4 kV;
- to perform C2B type overhead and underground power lines operating at a voltage rating between 0.4-110 kV and transformer substations with high voltage rating not exceeding 20 kV;
- to perform D2 type overhead and underground power lines operating at a voltage rating between 110-400 kV;
- to perform E2 type substations and works belonging to the electrical part of power stations;
- to perform F type painting works for supporting elements of electrical networks/clearance belonging to the clearway of overhead power lines.
Thermal Achievements

STEAM BOILERS & STEAM TURBINES

- Steam boilers with capacities under 400 to/h: 276 units
- Steam boilers with capacities between 400 and 1,000 to/h: 132 units
- Steam boilers with capacities of 1,035 to/h: 10 units
- Hot water boilers with capacities up to 100 Gcal/h: 38 units
- Hot water boilers with capacities of 100 Gcal/h: 82 units
- Steam turbines under 50 MW: 128 units
- Steam turbines of 50 MW: 60 units
- Steam turbines of 100 MW and 150 MW: 24 units
- Steam turbines of 200 MW: 20 units
- Steam turbines of 315 MW and 330 MW: 15 units

STEAM BOILERS & DIESEL GROUPS

- Steam turbines of 50 MW: 60 units
- Steam turbines of 100 MW and 150 MW: 24 units
- Steam turbines of 200 MW: 20 units
- Steam turbines of 315 MW and 330 MW: 15 units
- Independent Diesel groups up to 7,000 HP: 169 units
- Electrostatic dedusting installations up to 700,000 mc/h: 84 units
OLTENIA ENERGY COMPLEX

- **C.E. OLTENIA, S.E. Turceni**
  7 x 330 MW + 7 x 1035 to steam/h

- **C.E. OLTENIA, S.E. Rovinari**
  2 x 200 MW + 4 x 330 MW

- **C.E. OLTENIA, S.E. Rovinari**
  (desulphurization installation of units no. 3, 4 and 6)
  3 x 1035 to steam/h

- **C.E. OLTENIA, S.E. Isalnita**
  2 x 200 MW + 3 x 50 MW + 1 x 55 MW + 2 x 315 MW

- **C.E. OLTENIA, Craiova II TPP**
  2 x 120 MW + 2 x 525 to steam/h + 2 x 100 to steam/h
**BRAZI**

- **Brazi I** - 5 x 50 MW + 2 x 200 MW + 2 x 105 MW
- **Petrobrazi Refinery 1st stage** - 2 x 25 MW + 2 x 135 t ab/h cogeneration + 2 x 50 t ab/h
- **Petrobrazi Refinery 2nd stage** - 2 x 400 t ab/h cogeneration
- **Dalkia Brazi TPP** - 1 x 25 MW + 1 x 38 t ab/h + 1 x 62 t ab/h

**TPP:**

- **Paroseni I TPP** - 3 x 50 MW + 3 x 420 t ab/h
- **Paroseni II TPP** - 1 x 150 MW + 100 Gcal/h
- **Braila TPP** - 3 x 200 MW + 1 x 330 MW
- **Mintia TPP** - 6 x 210 MW
- **Iernuț TPP** - 4 x 100 MW + 2 x 200 MW
- **Drobeta Turnu Severin TPP** - 4 x 50 MW + 7 x 420 t ab/h
- **Govora I TPP** - 4 x 50 MW + 4 x 420 t ab/h
- **Govora II TPP operating on coal** - 3 x 50 MW + 3 x 420 t ab/h
Electrical Achievements

CERTIFICATES AND LICENCES:

- Power generation, transport and distribution - ANRE certifies for all types of activities - C1B, D1, E1, A, B, C1A, C2A, C2B, D2, E2, F;
- Civil aviation - AACR authorization certificate;
- Railway and subway transportation - AFER technical agreements for construction and erection performing works and overhaul;
- Nuclear power - CNCAN authorizations for design, supply, construction, erection and maintenance performing works;
- Civil defense – MAI authorization for erection and maintenance of installation and systems for fire signaling, alarming and fighting;
- Welding – ISCIR authorization for pressure pipes.
Electrical Achievements

POWER GENERATION IN POWER PLANTS:
- thermoelectric, hydroelectric and district heating power stations with gas turbines, Diesel groups, as well as atomic power plants and wind power complexes.

INDUSTRIAL PROCESS COMPUTERS:
- installation works for process control systems from thermo-powder stations; management of drinking water supply; management of air conditioning, heating and ventilation installation.

TELECOMMUNICATIONS:
- execution of telecommunication networks made of optic fiber cables (underground and airy on self-supporting cables type of installation), cooper or gel cables; installation of telephone exchanges, including ISDN.
HIGH VOLTAGE TRANSFORMERS:

• (indoor and outdoor) for transport and distribution of power; installation, repairs, commissioning, test works for: transformers and auto-transformers (indoor/outdoor 0.1 / 400 MVA), circuit breakers (oil, vacuum, SF6 type, including GIS type cells), disconnecting switches, measuring transformers (amperage and voltage), dischargers, control panels, lines of electrical cables (6 - 220 kV), including terminals and tests.

REPAIR AND ERECTION OF INSTALLATIONS AND EQUIPMENT FOR THIRD PARTIES:

• from metal-working industry, building industry, agriculture, irrigations, water supply and waste water purifying installations, cement mills, chemical industry-oil refineries and rubber plants, engineering machine building industry, mining industry, food industry, light industry, pulp and paper combines.
Electrical Achievements

**COMPLEX INDOOR INSTALLATIONS:**
- electrical, automation, ventilation, heating, air conditioning installations giving complete solutions for equipping head offices, governmental buildings, banks aso.

**ELECTRICAL SERVICES:**
- design and engineering, manufacture and supply of materials and equipment for erection works, installation, tests, operational checks and commissioning works, service providing.

**TRANSPORTATION:**
- electrical works for railways, river and maritime navigation, airports. Execution of high voltage (27 kV), power supply works 110/27kV, transforming station and direct current station; automation, signaling and data transmission systems for railway switch gears and barriers; monitoring systems for Dunarea sluices.
Electrical Achievements

**SUBSTATIONS/TRANSFORMER SUBSTATIONS:**

- Arad, Arad county - 400/220/110 kV
- Urechești, Gorj county - 400 kV
- Mintia, Hunedoara county - 400 kV
- Cernavodă, Constanța county - 400 kV
- Oradea South, Bihor county - 400/110 kV
- Bodocani, Dâmbovița county - 110/20/6 kV
- Barboși, Galați county - 220/110 kV
- Iernut, Mureș county - 400/220/110/6 kV
- Nadab, Arad county - 400 kV
- Fundeni, Ilfov county - 400/220/110/6 kV
- Timpuri Noi - Bâneasa, Bucharest - 110/20 kV
- Slatina, Olt county - 400/220 kV
- Brazi West, Prahova county - 400/220 kV
- Târgoviște, Dâmbovița county - 220/110 kV
- Paroșeni, Hunedoara county - 110 kV
- Turnu Măgurele, Teleorman county - 220/110 kV
- Șălca, Dolj county - 220/110 kV
- Gura Ialomiței, Ialomița county - 400/110/20 kV
- Stupări, Vâlcea county - 220/110 kV
- Traianu, Teleorman county - 110/20 kV
- Târnădău, Călărași county - 110/20/6 kV
- Poiana Brașov, Brașov county - 110 kV
- Cișmea Nouă, Tulcea county - 110/20 kV
Electrical Achievements

SUBSTATIONS/TRANSFORMER SUBSTATIONS:

- Pipera - Voluntari, Bucharest - 110/20/10 kV
- Cetate, Dolj county - 220 kV
- Studina, Olt county - 110/20 kV
- Cauçiuc, Gorj county - 110/20 kV
- Brezo, Vâlcea county - 110/20 kV
- Gutinas, Bacău county - 400/220/110 kV
- Bârsești, Gorj county - 110/20 kV
- Popești Leordeni, Ițîov county - 110/20/10 kV
- Bârbătești, Gorj county - 110/20/6 kV
- Debarcader, Gorj county - 20/6 kV
- Bucharest Center - 110/10 kV
- Antibiotice Factory Iași, Iași county - 220/110/20/6 kV

- DACIA Pitești, Argeș county - 110/20 kV
- Turceni, Gorj county - 400 kV
- Vets, Satu Mare county - 220/110 kV
- Isaccea, Tulcea county - 750/400 kV
- Pinoasa, Gorj county - 110/20 kV
- Parângul, Gorj county - 110/20 kV
- Adjud, Vrancea county - 110/20 kV
- Târgu Jiu Sud, Gorj county - 110/20/6 kV
- Bradu, Argeș county - 400/220/110/20 kV
- Baraj, Mureș county - 110/20/10 kV
- Pestis, Hunedoara county - 220/110 kV
Electrical Achievements

- Botoşani, Botoşani county - 3.5 MW
- Valea Nucarilor, Tulcea county - 110/33 kV
- Mihai Viteazu, Constanţa county - 110/20 kV
- Mireasa, Constanţa county - 110/20 kV
- Sălbatica, Tulcea county - 110 kV
- Însurăţei, Brăila county - 110 kV
- Banca, Vaslui county - 400/220/110 kV

WIND PARKS:
- Transformer substation of 110/33 kV, Băltăgeşti, Târguşor Wind Park, Constanţa county
- Transformer substation of 110/33 kV, Târguşor, Târguşor Wind Park, Constanţa county
- Transformer substation of 110/33 kV, Movila, Făcăeni Wind Park, Ialomiţa county
- Substation of 20 kV, Casimcea Wind Park, Tulcea county
**Electrical Achievements**

**ELECTRICAL INSTALLATIONS, AUTOMATION AND TELECOMMUNICATIONS WORKS:**

- Meat Products Factory, Lumina, Constanța county
- SELGROS stores: Brașov, Arad, Cluj, Craiova, Oradea, Suceava, Iași, Bacău, Brăila, Constanța, Galați, Tg. Mures, Ploiești, Timișoara, Bucharest (Berceni, Băneasa, Valea Cascadelor, Pantelimon)
- Dairy Factory, TNUVA, Ilfov county
- C.F.R. substations/modernizations of telecommunications system of optic fiber: Felești, Medgidia, Cernavodă, Mircea Vodă, Dorobanți Basarab
- Aluminum Factory, ALRO Slatina
- Automobile Factory, FORD Craiova
- PETROMIDIA Refinery
- Cement Factory, Chișcădaga, Hunedoara county
- Cement Factory, Fieni, Dâmbovița county
- EUROBUSINESS Industrial Park, Oradea
- Satu Mare Airport
- UCO Cloth Factory, Giurgiu
Electrical Achievements

ELECTRICAL INSTALLATIONS, AUTOMATION AND TELECOMMUNICATIONS WORKS:

HYDRO POWER PLANTS:
- Porţile de Fier I HPP
- Porţile de Fier II HPP
- Lower Olt river HPP
- Movleni HPP
- Bicaz HPP
- Lotru HPP
- Râu Alb HPP
- Poiana Teiului HPP
- Subcetate HPP
- Vânătoare de Munte HPP
- Cornetu - Avrig HPP
- Robești HPP
- Racovița HPP
- Plopi HPP
- Rucăr HPP
- Marișel HPP
- Porţile de Fier I RO Lock

THERMAL AND NUCLEAR POWER PLANTS:
- S.E. Turceni
- S.E. Rovinari
- S.E. Ișalnița
- Craiova II TPP
- Paroșeni TPP
- Brăila TPP
- Mintia TPP
- Iernut TPP
- Dr. Tr. Severin TPP
- Govora TPP
- Cernavodă NPP
The export activities developed by ENERGOMONTAJ S.A. include both the export of mechanical equipment and the export of services.

Equipment export refers to the equipment made by our Company on the basis of projects supplied by our customers. The range of products presented for export, made in concordance with the requirements of ISO 9001 includes electrostatic precipitators, bag filters, silos, pressure vessels, steel structures, desulphuration plants, heat exchangers, boilers components, industrial halls, etc.

Through the agency of our clients, as the worldwide known companies ALSTOM POWER, FLS Miljo, SIEMENS, KVAERNER, etc., the equipment made by ENERGOMONTAJ was exported to Sweden, Norway, Italy, France, Germany, Holland, Iceland, United Kingdom, Portugal, United States, Chile, China, Thailand, United Emirates, etc.

Export of services, mechanical and electrical erection works develops either as for completing the equipment export for turn-key contracts, or independently.

Among the countries were Import - Export Direction developed, erection works are Holland, Sweden, France, Portugal, China, United Emirates, Cyprus, Austria, Denmark, Norway, Estonia and Slovakia.
HYDRAULIC TURBINES:

- **type Pelton** 174 MW  
  D rotor 2.95 m  
  375 rot/min
- **type Francis** 170 MW  
  D rotor 2.85 m  
  500 rot/min
- **type Kaplan** 174 MW  
  D rotor 9.50 m  
  61.5 rot/min
- **type Bulb** 27.5 MW  
  D rotor 7.50 m  
  62.5 rot/min

PENSTOCKS:

- **Lotru** D 4 m x 1,300 m
- **Rau Alb** D 2.5 m x 377 m
- **Rastolita** D 2.2 m x 685 m

Hydro Achievements
Hydro Achievements

HYDRO MECHANICAL EQUIPMENT:

- Double-leaf gate hook type (PFI HPP) 25 m x 14.86 m
- Segment valve (PFI dam) 6 m x 6 m
- Intake safety roller gate (PFI HPP) 11 m x 17.55 m
- Intake safety roller gate (PFI HPP) 14.5 m x 16 m
- Flap segment gate (PFII dam) 21 m x 15.3 m
- Safety flat gate (PFI lock – Upstream Head) 34 m x 12.42 m
- Service flat gate (PFI lock – Upstream Head) 34 m x 12.28 m
- Flat gate (PFI lock – Intermediate Head) 34 m x 15.75 m
- Repair miter type gate (PFI lock) 34 m x 13.35 m
- Service miter type gate (PFI lock) 34 m x 22.34 m
- Flat valves (PFI lock – Upstream and Downstream Head) 6 m x 6 m
- Segment valves (PFI lock – Intermediate Head) 6 m x 6 m
**HYDRO POWER PLANTS:**

- **Bicaz HPP**
  Francis type turbines, 4 HU x 27.5 MW and 2 HU x 50 MW,
  2 penstocks of 3.8-4.2 m diameter and of 154 m length

- **Brădișor HPP**
  Francis type turbines, 2 HU x 57.5 MW

- **Lotru HPP**
  Pelton type turbines, 3 HU x 174 MW,
  pressure shaft liner of 4 m diameter and of 1300 m length

- **Porțile de Fier I HPP**
  Kaplan type turbines, 6 HU x 194 MW (after refurbishment works)

- **Porțile de Fier II HPP**
  Bulb type turbines, 7 HU (2÷8) x 32.5 MW (after refurbishment works) and HU 1 x 27.5 MW - the Romanian main power plant and 2 HU x 27.5 MW - the Romanian Gogosu supplementary power plant
HYDRO POWER PLANTS:

- **Lower Olt HPP**
  Bulb reversible type turbines, 20 HU x 14.5 MW
  (after refurbishment works), Q_{suction} = 65 mc/sec

- **Râtu Alb HPP**
  Francis vertical type turbines, 2 HU x 20.5 MW
  Francis type turbines, 2 HU x 0.6 MW

- **Movileni HPP**
  Kaplan type turbines, 2 HU x 17 MW + 2 HU x 1.5 MW

- **Răstolța HPP**
  Francis vertical type turbines, 2 HU x 17.5 MW

- **Argeș HPP**
  Francis type turbines, 4 HU x 55 MW,
  pressure shaft liner of 4.1 m diameter and of 184 m length

- **Racovița HPP**
  Kaplan type turbines, 2 HU x 17.5 MW
Hydro Achievements

LOCKS:
- Portile de Fier I RO Lock
double lock of 310/34 m at an elevation of 34.4 m
- Portile de Fier II RO Lock
lock of 310/34 m at an elevation of 12.5 m
- Portile de Fier II YU Lock
lock of 310/34 m at an elevation of 12.5 m
- Cernavoda Lock
2 twin locks of 310/25 m at a elevation of 5.5 m

DAMS:
- Portile de Fier II Ro Dam
7 segment gates, 4 pcs x 21 m x 15 m,
3 pcs (flap gate) x 21 m x 15+3 m
- Portile de Fier II YU Dam
7 segment gates, 4 pcs x 21 m x 15 m,
3 pcs (flap gate) x 21 m x 15+3 m
- Portile de Fier I Dam
7 double-leaf gates hook type, 25 m x 14.86 m
Hydro Achievements

Main features:

- Main bridge span: 240 m
- Distance between piles and abutments: 2 x 60 m
- Total length of bridge superstructure: 360 m
- Height of piles against normal retention level: 52.5 m
- Height of bridge against normal retention level: 15.5 m
- Number of suspension cables: 2 wires x 4 cables
- Total length of a cable: 410 m
- Total mass of suspension system: 85 to
- Total mass of metallic bridge floor: 485 to

CAUSEWAY OVER GOGOSU BRANCH ON THE DANUBE:
Hydro Achievements

IRRIGATION WORKS
FOR WATER USERS’ ASSOCIATION FOR IRRIGATIONS AND NATIONAL AGENCY FOR LAND RECLAMATION:

- Modernization and refurbishment works of irrigation system infrastructure, OUAI Interagro no. 11, Giurgiu Râmirești, Teleorman County.
- Rehabilitation and modernization works of irrigation system development, SPP 22M4+MS, SP22 M8, OUAI Istrița, Sâhăteni village, Buzău County.
- Modernization works of irrigation system, OUAI Ograda, Ialomița County.
- Rehabilitation and modernization works of SRPD05 and 06 pumping stations, OUAI Dropia Insurâței, Brăila County.
- Rehabilitation works of SPA 2 Nedeia pumping station within Nedeia-Măceșu development, ANIF Nedeia - Măceșu, Dolj County.
- Upgrading and engineering works of irrigation system infrastructure, OUAI Brâncoveni, Olt County.
- Upgrading and engineering works of irrigation system infrastructure, OUAI Piatra Olt, Olt County.
- Rehabilitation and modernization works of irrigation system development, OUAI Lipia, Buzău County.
- Upgrading irrigation system, OUAI Vâlcovia, Gura Padinii village, Olt County.
Hydro Achievements

WATER SUPPLY NETWORKS, WASTE WATER TREATMENT PLANTS AND SEWAGE SYSTEMS:

- Sewage and waste water treatment system, Țânțăreni village, Gorj County.
- Water supply network, Starchiojd village, Prahova County.
- Water supply and sewage system, Carpen village, Dolj County.
- Extension of water supply and sewage system, Brânești și Islaz, Ilfov County.
- Water supply centralized system, Troianu village, Teleorman County.
- Water supply system, Albești Paleologu village, Prahova County.
- Waste water treatment plant, Craiova Water Park, Olt County.
- Water supply, Fardea village, Timiș County.
- Water supply centralized system, Dracsenei village, Teleorman County.
- Sewage and waste water treatment, Crețeni village, Vâlcea County.
- Water supply, Mitrofani village (Racu and Mitrofani), Vâlcea County.
- Modernization of waste water treatment plant, Calafat, Dolj County.
- New integrated system of water supply, sewage and waste water treatment, Fârtașești village, Vâlcea County.
- Water supply centralized system, Dracea village, Teleorman County.
- Ammonia treatment plant for Târgu Cărbunești water treatment plant, Gorj County.
- Water supply and sewage system for Cujmir and Braniștea concentrations, Mehedinți County.
- Rehabilitation works of water networks, Tabaci District - Vălenii de Munte, Prahova County.
- Backup source of water supply, Câmpulung city, Argeș County.
- Water supply, Doman - Reșița, Caraș Severin County.
Manufacture of Power Equipment

- metallic structures - with a production capacity of 150-200 tons per month;
- rolling machines that are able to roll pieces of maximum 30 mm in thickness and a maximum width of 3,000 mm;
- machine works - pieces of maximum 1,250 mm may be lathed horizontally or vertically;
- protective coatings - metallic coatings may be performed, in two immersions, for pieces of maximum 3,200 x 500 x 800 mm; pieces of maximum Ø 4,000 x 16,000 mm may be painted;
- tools and different devices;
- repairs of equipment repairs and means of transportation.

1. METALLIC STRUCTURES:

a) Metallic components for:
   - cable lay-outs, installations and automation:
     - mechanical-light: stairs, reducing pieces, elbow pieces, tee pieces, clamps/straps;
     - mechanical-heavy: props/uprights, brackets/stands.

b) Different metallic structures:
   - air and exhaust gases ducts, convective coils (of) pipes for 420 t/h boilers, electrostatic precipitator supporting, supporting beams, trusses, poles, tanks, funnels, hydro mechanical metallic structures, embedded pieces, cofferdams;
   - containers and metallic barracks, equalizers (lenticular, octagonal or rectangular), flapper valves of different drives;
   - elements for high and low pressure pipelines and for buckled pipes.
2. SPECIAL PROTECTIVE COATINGS:
  > thermal zinc coating;
  > metallic shots sand-blasting + painting (special corrosion protections);
  > phosphating process + painting;
  > chemical wash with pipelines passivation;

3. SPECIAL SERVICES:
  > different mechanical works

4. MANUFACTURING CAPACITIES:
  > metallic structures 2,500 tons/year
  > special corrosion protections 20,000 sqm/year
  > metallic coatings (zinc plating) 33,000 sqm/year
5. REPAIR WORKS:

Overhauls for any type of light and heavy mechanical equipment.

Light mechanical equipment:

> electrical and portable machines, equipment and/or chain lifting devices, hoisting jacks and pulley blocks dragging devices, hoists pulleys aso;
> welding and thermal treatment machines;

a) welding machines: 125 A, 320 A, 350 A, 500 A, 751 A;

b) AEG 30 120; ITT 125 KW, transformers, inverters, rectifiers (315, 500);

Heavy mechanical equipment:

> lifting devices (electrical lifting tackles, hoists, all types of cranes);
> different pumps, furnaces, electric motors, control panels and electrical equipment.
We would welcome any opportunity to meet and offer our fullest services!

Yours faithfully,

Horia STEFANESCU
President & CEO

103-105 Dorobantilor Avenue, 1st District, 010561 zip code, Bucharest, Romania