



# ELECTROTEL S.A.

Fiscal Code: RO1384430  
Trade Registry No.: J34/1/1990

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## COMPANY PROFILE



**Founded:** - 1970

**Legal form:** - joint stock company

**Original manufacturer:** - engineering, manufacturing, installation; LV and MV switchgears; Automation panels

**Employees** - 375 persons

**Spaces** (land 65,000m<sup>2</sup>) - 35.000m<sup>2</sup> (built/ gross lettable production area) - 34.000m<sup>2</sup> (yard, warehouses, etc)



♦ **ELECTROTEL Production Profile as “Original Manufacturer”** (main groups and recent developments)

- LV Modular Distribution systems / **high-end withdrawable MCCs** - complete distribution switchboards
- MV Metalclad Switchgears (distribution/ transmission; MV Motors Control; MV Neutral Grounding)
- Power Factor Correction (PFC) for LV and MV Switchboards
- Automation, Protection & Control, Telecom. panels, for HV Substations (AC & DC HV transmission lines)
- Containerized Substations/ LER/ E-Rooms
- General automation panels; machine tools cabinets; panels for renewable energy farms; SCADA
- Trunking bus-bar systems (compact); and Air-Insulated bus-bar ducts up to 5000A
- Metal Enclosures and parts; EMC/ESD certified enclosures
- Accessories (ventilation filters; fan blocks); etc.)



♦ **Integrated Management System (HSEQ):**

- ISO 26000/ SA 8000 - Corporate Social Responsibility
- ISO 9001: 2015 - Quality management
- ISO 45001: 2018 (OHSAS) - Management of Health and Labour Security
- ISO 14001: 2015 - Environment management
- ISO / IEC 27000 - Information security management systems (certification undergoing)
- RoHS & REACH compliance - Using non - dangerous materials.
- CNCAN Certification - Electrical panels for Nuclear fields
- AFER Certification - Railways
- ISO 3834-3: 2006; EN 15614; EN 287-1; EN 1418 – Welding management
- ISO 17025 : 2005 - Laboratories management (electric, mechanic, chemical)
- ISO 12944-6:1998; 2808:2007; 4618:2006; 2409:2007; 9227:2006 - Painting & Coatings management



♦ **Integrated production: mechanic processing** (punching; bending; plasma cutting; chipping works); **coatings** (powder painting, galvanization); **wiring/** electromechanic assembly; **carpentry/ packing.**

♦ **Exports: 85 - 90%** of ELECTROTEL production is directly or indirectly exported on 6 continents: EU, Eastern Europe, Middle East, Asia, Africa, North and South America, Australia.



♦ **International partners:** Alstom Grid/ GE (Germany, France, Switzerland, Italy, UK, USA, Dubai, Abu Dhabi, Qatar, Kuwait, Egypt, Algeria, Libya, KSA), Alstom Transport, ABB, Siemens AG – Siemens Energy (Germany, UK, USA, UAE, Holland, Norway, Sweden, Japan, Thailand), Schneider (France, Germany, Austria, Switzerland, Hungary, Spain), Eaton, Gazprom, OMV, TOTAL, Qatar Petroleum, Sonatrach (Algeria), ENEL (Italy), Daewoo, E-on (Germany), Lafarge/ Holcim (France, Morocco, Egypt, Azerbaijan, Romania), Saint Gobain, Air Liquide (Lincoln), SNEF/IMSAT, Total Solar (USA, France), Frerk (Germany), Cummins (UK), Aggrekko, Georg Fischer-Augie Charmille (Switzerland), 3R (Sweden), IGEL Electric (Germany), Toshiba – Mitsubishi Electric Industrial Co. (UK), Engie, GdF Suez, CERN (Switzerland)



♦ **Romanian partners:** ENEVO Group; ICPE-Actel; OMV Petrom; Romelectro; Eurosic; Energomontaj; Electromontaj; CFR; Confind; Electrica; Hidroelectrica; Transelectrica; Maguay; Imsat-SNEF.Versiuon



- ♦ **Special applications** (*offshore/onshore*); **hard climatic zones** (interior of Polar Circle, Tropics, Dessert):
  - nuclear; hydro; thermo-power plants
  - oil & gas; petrochemical: *offshore* and *onshore* oil rigs; gas processing plants; refineries
  - Power Control Mobile Stations for drilling rigs (ac and dc electric drives and MCC)
  - Local Electrical Rooms (containerized stations) for: generators control; gas turbines; photovoltaic fields
  - industry: cement plants; metallurgy; mining sector;
  - transport: railways and maritime fields; water treatment, irrigations, pumping stations.
- ♦ **Large, modern and flexible production capacities:** prototyping, small / large orders, short lead time
- ♦ **High quality:** selected suppliers, professional tools, specialized laboratories/ metrology, qualified inspection.
- ♦ **Design Verification/ TTA** certified in Germany and Romania acc. to **IEC 61-439-1/2; IEC 62-271-200.**
- ♦ **Flexible engineering:** separate testes with devices of: ABB, Eaton, GE, Legrand, Schneider, Siemens; prototyping.
- ♦ Versions **customized** for different **regional standards**

♦ **LV industrial/ high-end Modular Distribution Systems / MCCs, withdrawable, plug-in or fixed:**

- **SPECTRACON** (*ELECTROTEL concept*) **6300 A** standard and **marine version**
  - **High Arc Fault Prevention** (*innovative technology, German-Romanian cooperation*)  
*Arc Fault Free Zone between the (capsulated) dropper bars and the "pressure contact" modules*
  - **Recommended for risk areas** (*limiting explosion risk, earthquake, vibrations*) for: oil & gas, marines, mining, etc.
  - **Optimum use of the space** inside one cubicle **and** in the switchboard rooms
    - **Versatile feeder types:** Fixed; Withdrawable; Plug-in; In-line fuse disconnectors
    - **Standard and Fractional drawers**
- **SIVACON S8** (*SIEMENS license*) **7100 A** standard and **marine version**
- **MODAN 6000** (*EATON license*) **6300 A**

♦ **MV Distribution Compact Metal-clad Switchgears, SPECTRACELL series**

**MV distribution/ transmission: withdrawable - MT** (Median Truck) or **RFT** (Roll-on-Floor Truck),

- **SPECTRACELL X12:** **12kV - 1250/ 2500A - max. 40kA (1s) - max. 100kA** (rated peak current)
- **SPECTRACELL 2 x X12:** **12kV - 1250/ 2500A - max. 40kA (1s) - max. 100kA** (rated peak current)
- **SPECTRACELL X17:** **17.5kV - 1250A - max. 50kA (1s) - max. 130kA** (rated peak current)
- **SPECTRACELL X24:** **24kV - 1250/ 2500A - max. 31.5kA (3s) - max. 80kA** (rated peak current)
- **SPECTRACELL 2 x X24:** **24kV - 1250/ 2500A - max. 31.5kA (3s) - max. 80kA** (rated peak current)

**MV Neutral Grounding Switchgears up to 24kV** (with resistor or transformer/ coil)

- **SPECTRACELL NER:** **13.8kV - 20A/10s - 19.92 ohm** (with resistor)
- **SPECTRACELL NET:** **13.8kV - 20A/10s - 30 kVA** (with transformer)

**MV Power factor Correction - PFC**

- **SPECTRACELL PFC - MV Power Factor Correction Switchgears**

**MV Motors control with MV Soft starters or Direct On Line:**

- **SPECTRACELL RVSS:** **3.6 to 17.5 kV - SST rated current 50 to 1600A - 31.5kA (3s); max. 50kA (1s)**
- **SPECTRACELL DOL** Contactor with fuses: **15 kV; rated current 450 A - max. 50kA (1s)**

♦ **SPECTRAL AIR – High Precision Air-conditioning System - Climate Control inside Installations**

**ELECTROTEL as OEM -“Original Equipment Manufacturer” acc. IEC 61-439-2** is offering  
*Licenses and Know-How transfer for complete local manufacturing or assembling for*  
**SPECTRACON and SPECTRACELL series**

See **movie** “ELECTROTEL presentation” on YouTube: <https://youtu.be/ms9B3xESvi0>  
Download **ELECTROTEL full presentation** at: <https://we.tl/t-0jtA0BCxNG>